EN

Fiberli ®

24.3 LED & Fiberoptic Products Catalogue

Contemporary illuminating technics...

Contemporary illuminating technics...

Our company, PSL Elektronik, which is "the first Turkish company that applies Fibre Optic lighting systems in Turkey as a manufacturer" was established in Antalya in 1991. Our company, which concentrated on "Professional Audio and Light" systems at the outset, pursued studies on decorative Fibre Optic lighting applications in 1997 and accomplished applications which are highly successful and each of which is a first and pacesetter in its field.

The achieved successful projects have derived our company to concentrate on the fields of decorative architectural lighting and our company, gradually pulling away from the field of "audio and light" systems, completely steered towards the field of lighting by creating the "FİBERLİ" brand in the 2000s.

The pioneer works, projects, conducted during this period, and the technological developments in the LED sector put forth the first signs that a "LED Revolution in Lighting" would occur. Our company, which foresaw this development and progress, gave the decision to completely take part in the "LED Lighting" field as a manufacterer in the 2000s and began to make all of its investments in this direction. Within this framework, we began to domestically manufacture our first LED lighting products and supply to our customers in 2002.

We, from the outset, designated our manufacture philosophy on the basis of domestic manufacture, high quality, customer-oriented, respect and affectio towards humans, environments and nature. Our company, which has never made concessions to these principles, has achieved to become one of the frontrunner and leading organisations in the field of our region in a short span of time.

In 2013, for the purpose of providing a service with much higher capacity, pace and quality, we completed our new factory investment, established on a 6.000 m2 area within the Antalya Organized Industrial Zone and commenced manufacturing. Our company, which has accomplished more than 800 large scaled projects up until now, at the present;
- has close to 300 employee,
- sales and service units located in numerous countries,
- carries out projects and applications customly designed for individuals or businesses,
- possesses a 15-person Research – Development staff,
- Design Unit, expert in the field of lighting,
- Together with the branches and countless representatives in Istanbul, Antalya, Ankara, Izmir, Moscow, Dubai and Ashgabat, we are working to provide you perfect service and products.

We would like to take this opportunity and once again thank you, our esteemed customers, who have guided us to the present day and never refrained their support.

08

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Fiberli

LED

LL
DP
CD
WW
CS
CF
AC
CG
CB
LC
EL
FO

LED (OEM)

With the utilisation of blue light in leds, the RGB (Red Green Blue) lighting has become a possibility and gained a wide range of applications in many sectors. These lights, swiftly, superseded other light sources particularly within the areas of lighting, signalisation and architectural lighting. The most significant reason for the low energy consumption of leds is the small amount of loss. Additionally, these diodes, which ensure quite a long lifetime, can smoothly be utilised almost in every condition due the non-existence of filament contrary to other bulbs. The current lighting values for white light has surpassed the fluorescent lights with a rather high value of 160 Lumen/Watt. Some prototypes have reached to the rate of 180 Lumen/Watt.

| T | PT | BT / Mono | BT / RGB | P |
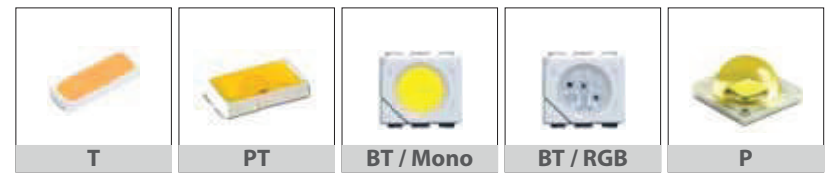
LED Options

T | TopLED

TopLEDs can be mounted on single-sided CEM1 PCB due to their low current-carrying capacity and low cost. The whole soldering process is conducted within automatic machines with the use of lead-free solder and untouched by human hands.

PT | Power TopLED

For the ease of use in the long term, Power TopLEDs are mounted on double-sided PCBs. All the soldering operations are made in automatic machines by usinglead-free solder.

BT | Big TopLED M

Big TopLEDs are placed on the double-sided PCB with a thickness of 70 microns. Thus, ensuring the ease of use at full lengths. The rear surface of PCB is used for the purpose of carrying current.

BT | Big TopLED RGB

Big TopLEDs are placed on the double-sided PCB with a thickness of 70 microns. Thus, ensuring the ease of use at full lengths. The rear surface of PCB is used for the purpose of carrying current.

P | PowerLED

Aluminium PCB is utilised for a better cooling of the PowerLEDs. With this product group, the supply is rendered in every 6 LEDs.

TopLED   T

20mA

TopLEDs can be mounted on single-sided CEM1 PCB due to their low current-carrying capacity and low cost. The whole soldering process is conducted within automatic machines with the use of lead-free solder and untouched by human hands.

PCB PROPERTIES
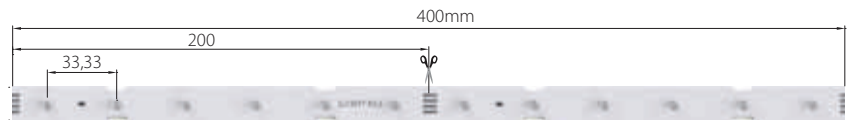
T30: 30pcs/m - CEM1 PCB on SMT 20mA - 24V - 2,4W/m - *240Lm/m

T60: 60pcs/m - CEM1 PCB on SMT 20mA - 24V - 4,8W/m - *480Lm/m

T90: 90pcs/m - FR4 PCB on SMT 20mA - 24V - 7,2W/m - *720Lm/m
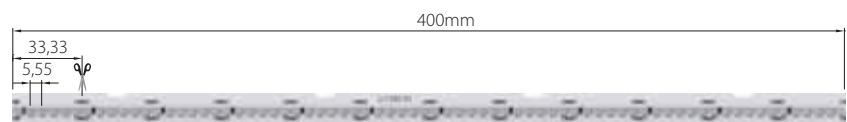
T180: 180pcs/m - AL PCB on SMT 20mA - 24V - 14,4W/m - *1.440Lm/m
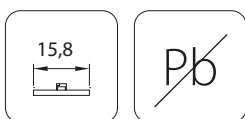
TopLED Light Values

(CW)	Cool White	4.700-9.500K
(NW)	Natural White	3.700-4.700K
(WW)	Warm White	2.700-3.700K
(R)	Red	625nm
(A)	Amber	590nm
(G)	Green	525nm
(B)	Blue	465nm

LEDLine Options

One block includes a quantity of 40cm X 10 and 4metre LEDLine.

T30:	*24V DC - 2,4W/m - 240Lm/m*
T60:	*24V DC - 4,8W/m - 480Lm/m*
T90:	*24V DC - 7,2W/m - 720Lm/m*
T180:	*24V DC - 14,4W/m - 1.440Lm/m*

15,8

The lumen outputs, given in the catalogue, vary according to the colours of light If LEDs and production packages of the manufacturing companies. The specified outputs have been provided for relative comparison.

Power TopLED   PT

100mA

Power TopLED Light Values

	(CW)	Cool White	4.700-9.500K
	(NW)	Natural White	3.700-4.700K
	(WW)	Warm White	2.700-3.700K

LEDLine Options
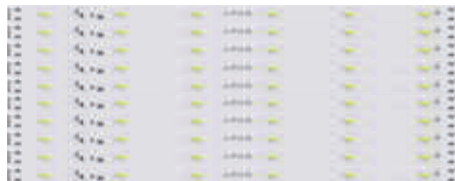
One block includes a quantity of 40cm X 10 and 4metre LEDLine.

PT15R:	*24V DC - 6W/m - 675Lm/m*
PT30R:	*24V DC - 12W/m - 1.350Lm/m*
PT45R:	*24V DC - 18W/m - 2.025Lm/m*
PT60R:	*24V DC - 24W/m - 2.700Lm/m*
PT90R:	*24V DC - 36W/m - 4.050Lm/m*
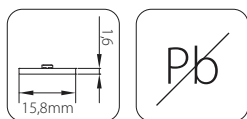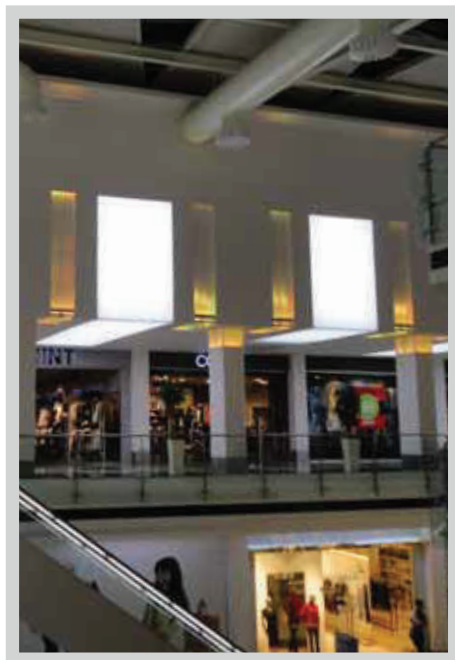
For the ease of use in the long term, Power TopLEDs are mounted on double sided PCBs. All the soldering operations are made in automatic machines by usinglead-free solder.

PCB PROPERTIES

400mm
33,33   66,66

PT15: 15pcs/m, 2 chips - FR4 PCB on - linear regulated 100mA - 24V - 6W/m - *675Lm/m

400mm
200mm
16,66   33,33
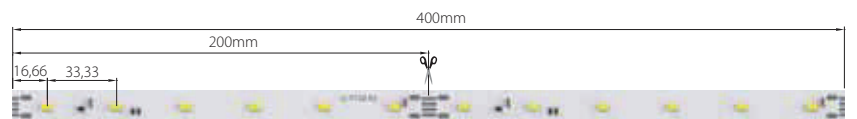
PT30R: 30pcs/m, 2 chips - FR4 PCB on - linear regulated 100mA - 24V - 12W/m - *1.350Lm/m

400mm
133,33
22,22

PT45R: 45pcs/m, 2 chips - FR4 PCB on - linear regulated 100mA - 24V - 18W/m - *2.025Lm/m

400mm
100
16,66
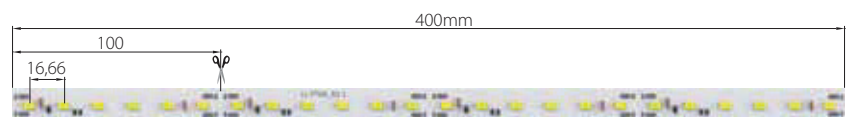
PT60R: 60pcs/m, 2 chips - AL PCB on - linear regulated 100mA - 24V - 24W/m - *2.700Lm/m

400mm
66,66
11,11
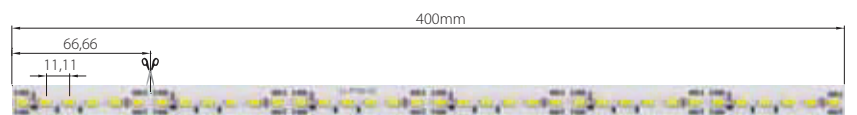
PT90R: 90pcs/m, 2 chips - AL PCB on - linear regulated 100mA - 24V - 36W/m - *4.050Lm/m

1,6
15,8mm

Pb

The lumen outputs, given in the catalogue, vary according to the colours of light If LEDs and production packages of the manufacturing companies. The specified outputs have been provided for relative comparison.

Big TopLED / Mono color   BT
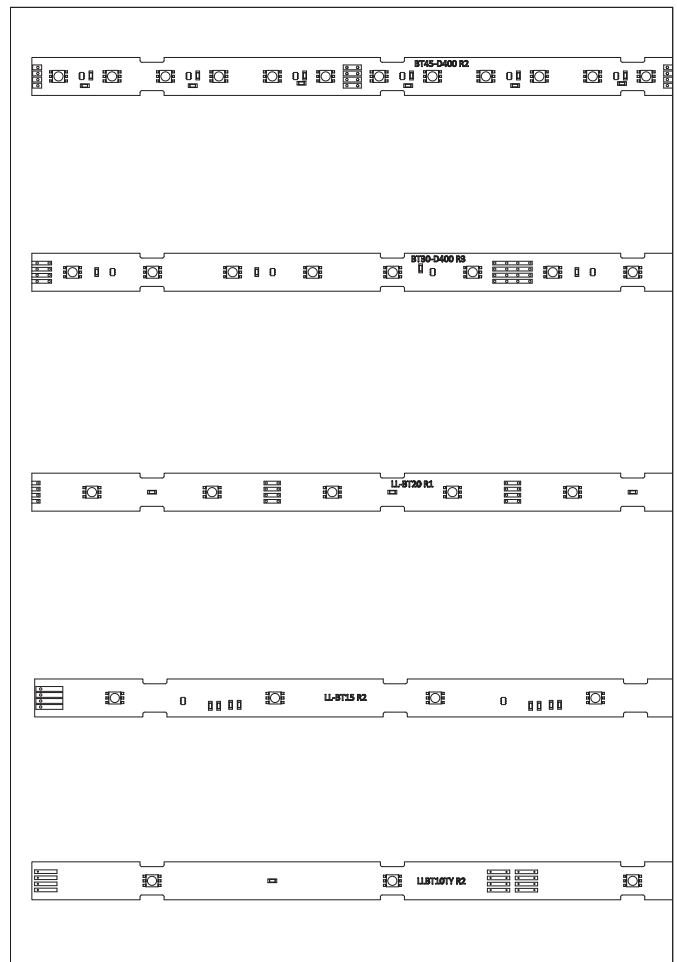
3x20mA / 3 chips

Big TopLEDs are placed on the double-sided PCB with a thickness of 70 microns. Thus, ensuring the ease of use at full lengths. The rear surface of PCB is used for the purpose of carrying current.

Big TopLED Light Values

(CW)	Cool White	4.700-9.500K
(NW)	Natural White	3.700-4.700K
(WW)	Warm White	2.700-3.700K
(R)	Red	625nm
(A)	Amber	590nm
(G)	Green	525nm
(B)	Blue	465nm

LEDLine Options

One block includes a quantity of 40cm X 10 and 4meter LEDLine.

BT10:	*24V DC - 2,4W/m - 240Lm/m*
BT15:	*24V DC - 3,6W/m - 360Lm/m*
BT20:	*24V DC - 4,8W/m - 480Lm/m*
BT30:	*24V DC - 7,2W/m - 720Lm/m*
BT30R:	*24V DC - 7,2W/m - 720Lm/m*
BT45:	*24V DC - 10,8W/m - 1.080Lm/m*
BT45R:	*24V DC - 10,8W/m - 1.080Lm/m*
BT60:	*24V DC - 14,4W/m - 1.440Lm/m*
BT60R:	*24V DC - 14,4W/m - 1.440Lm/m*
BT60 FLX:	*24V DC - 12W/m - 1.440Lm/m*

PCB PROPERTIES
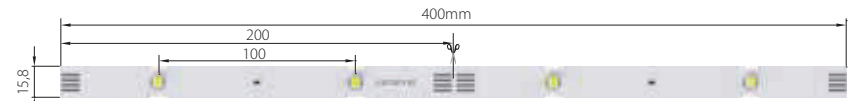
BT10: 10 pcs/m - 3 chips - FR4 PCB on SMT 20mA - 24V - 2,4W/m - *240Lm/m
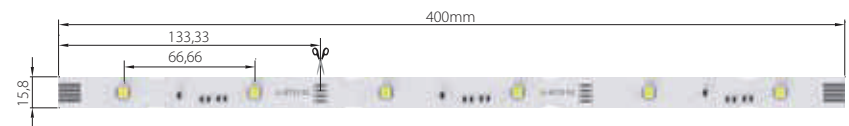
BT15: 15pcs/m 3 chips - FR4 PCB on SMT 20mA - 24V - 3,6W/m - *360Lm/m

BT20: 20pcs/m 3 chips - FR4 PCB on SMT 20mA - 24V - 4,8W/m - *480Lm/m
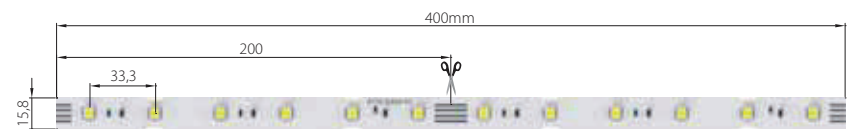
BT30: 30pcs/m 3 chips - FR4 PCB on SMT 20mA - 24V - 7,2W/m - *720Lm/m
BT30R: 30pcs/m 3 chips - FR4 PCB on SMT linear regulated 20mA - 24V - 7,2W/m - *720Lm/m
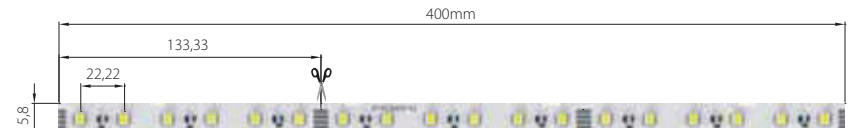
BT45: 45pcs/m 3 chips - FR4 PCB on SMT 20mA - 24V - 10,8W/m - *1080Lm/m
BT45R: 45pcs/m 3 chips - FR4 PCB on SMT linear regulated 20mA - 24V - 10,8W/m - *1.080Lm/m
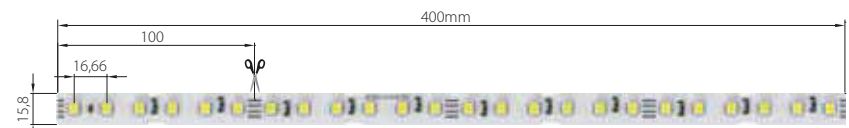
BT60: 60pcs/m. 3 chips - FR4 PCB on SMT 20mA / 24V / 14W - *1440Lm/m
BT60R: 60pcs/m. 3 chips - FR4 PCB on SMT linear regulated 20mA / 24V / 14W - *1.440Lm/m

The lumen outputs, given in the catalogue, vary according to the colours of light If LEDs and production packages of the manufacturing companies. The specified outputs have been provided for relative comparison.

Big TopLED / RGB   BT

3x20mA / 3x50mA 3 chips - 5050

Big TopLEDs are placed on the double-sided PCB with a thickness of 70 microns. Thus, ensuring the ease of use at full lengths. The rear surface of PCB is used for the purpose of carrying current.
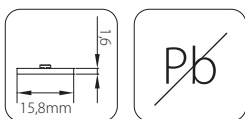
Big TopLED Light Values

(F)   Full Color   465-625nm

LEDLine Options

One block includes a quantity of 40cm X 10 and 4meter LEDLine.

BT15:	*24V DC - 3,6W/m*
BT15R:	*24V DC - 3,6W/m*
BT30:	*24V DC - 7,2W/m*
BT30R:	*24V DC - 7,2W/m*
BT45:	*24V DC - 10,8W/m*
BT45R:	*24V DC - 10,8W/m*
BT60:	*24V DC - 14,4W/m*
BT60R:	*24V DC - 14,4W/m*
BTX30:	*24V DC - 8,4W/m - 5pixel/m*
BTX45:	*24V DC - 12,6W/m - 7 pixel/m*
BTX60 R1:	*24V DC - 14,4W/m*
BTX90 R1:	*24V DC - 21,6W/m*

RGB PCB PROPERTIES

400mm
66,66
15,8
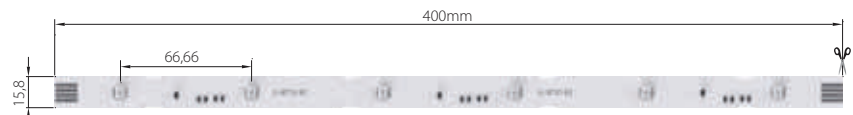
BT15: 15pcs/m 3 chips - FR4 PCB on SMT 20mA - 24V - 3,6W/m - *360Lm/m
BT15R: 15pcs/m 3 chips - FR4 PCB on SMT linear regulated 20mA - 24V - 3,6W/m - *360Lm/m

400mm
200
33,3
15,8

BT30: 30pcs/m 3 chips - FR4 PCB on SMT 20mA - 24V - 7,2W/m - *720Lm/m
BT30R: 30pcs/m 3 chips - FR4 PCB on SMT linear regulated 20mA - 24V - 7,2W/m - *720Lm/m

400mm
133,33
22,22
15,8

BT45: 45pcs/m 3 chips - FR4 PCB on SMT 20mA - 24V - 10,8W/m - *1080Lm/m
BT45R: 45pcs/m 3 chips - FR4 PCB on SMT linear regulated 20mA - 24V - 10,8W/m - *1.080Lm/m

400mm
100
16,66
15,8

BT60: 60pcs/m. 3 chips - FR4 PCB on SMT 20mA / 24V / 14W - *1.440Lm/m
BT60R: 60pcs/m. 3 chips - FR4 PCB on SMT linear regulated 20mA / 24V / 14W - *1.440Lm/m

RGBA PCB PROPERTIES

400mm
133,33mm
15,8
11,1
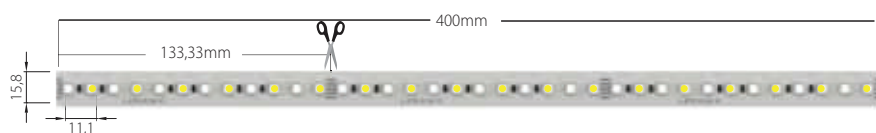
BTX60 R1: 60pcs/m. 3 chips - FR4 PCB on SMT 20mA-24V-14,4W/m-*1.440Lm/m
BTX90 R1: 90pcs/m. 3 chips - FR4 PCB on SMT 20mA-24V-21,6W/m-*2.160Lm/m

RGB PIXEL LED

20cm
15,8

BTX30: 30pcs/m. 3 chips - FR4 PCB on DMX control- 20cm/pixel - 20mA - 24V - 8,4W/m

13,3cm
15,8

BTX45: 45pcs/m. 3 chips - FR4 PCB on DMX control - 13,3cm/pixel - 20mA - 24V - 12,6W/m

15,8mm

1,6

The lumen outputs, given in the catalogue, vary according to the colours of light If LEDs and production packages of the manufacturing companies. The specified outputs have been provided for relative comparison.

PowerLED   P

350mA / 700mA / 1050mA / 3535

Aluminium PCB is utilised for a better cooling of the PowerLEDs. With this product group, the supply is rendered in every 6 LEDs.

PCB PROPERTIES

PowerLED Light Values

(CW)	Cool White	4.700-9.500K
(NW)	Natural White	3.700-4.700K
(WW)	Warm White	2.700-3.700K
(R)	Red	625nm
(A)	Amber	590nm
(G)	Green	525nm
(B)	Blue	465nm

P15: 15pcs/m - 1W - AL PCB on SMT 350mA - 24V - 21W/m - *2.400Lm/m

P20: 20pcs/m - 1W - AL PCB on SMT 350mA - 24V - 28W/m - *3.200Lm/m

PM (Modular LED): 6-LED groups can be mounted as modular with the preferred cable intervals – ever module 1W - AL over SMT 350mA – 24V

LEDLine Options
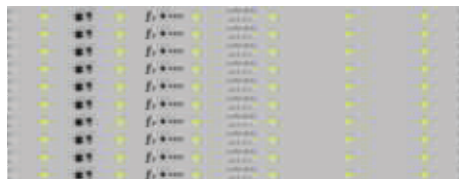
One block includes a quantity of 40cm X 10 and 4meter LEDLine.

P15SD: *24V DC - 21W/m - 2.400Lm/m*
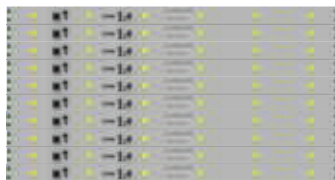
One block includes a quantity of 30cm X 10 and 3meter LEDLine.

P20SD: *24V DC - 28W/m - 3.200Lm/m*
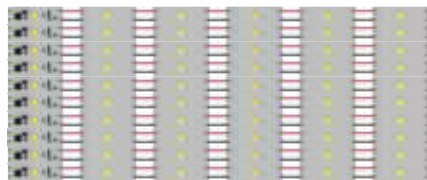
One block includes a quantity of 30cm X 60 LED

PSD: *24V DC - 1,25W/pcs. - 160Lm/pcs.*

The lumen outputs, given in the catalogue, vary according to the colours of light If LEDs and production packages of the manufacturing companies. The specified outputs have been provided for relative comparison.

Fiberli

LED
LL
DP
CD
WW
CS
CF
AC
CG
CB
LC
EL
FO
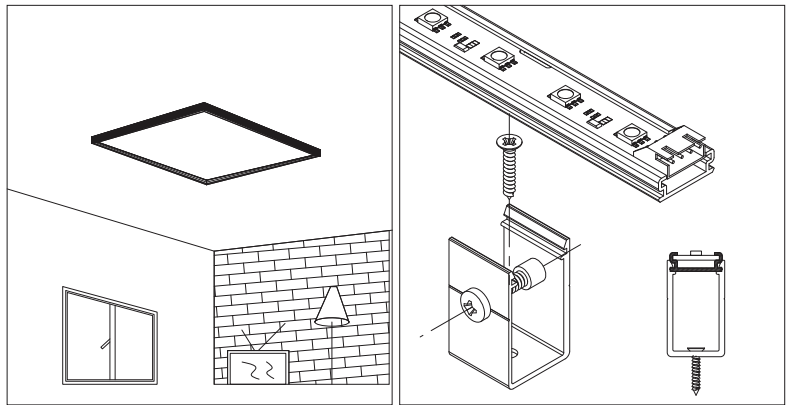
.LEDLine

Luminaires provide the ideal lighting solutions for in- and outdoors. These products can be used at desired length without the disclosure of the joints by attaching end-to-end. Luminaires can produced as RGB or mono color, as per order. They can be accommodated to outdoor use through production in IP65 standards with polymer coating. Our luminaires, for which the world's most efficient LEDs are utilised, are surpassingly economical due to low energy consumption and long lifetime. Moreover, they provide particularly architects and lighting designers with the opportunity to attain their creative ideas with a wide range of color options and changeable color feature.

LLS	LLK	LLP	LLFS8	ERL100	ERL75
ERL50	ERL35	ERL25	LLG	LLA	LLA100
LMRA	LLW1	LLW2	LLB33	LLE	LLU
LLI	LLKS	LLH	LLCRN	LLAT	LLUT
LTB	LLMS				

Linear Illumination Products

LLS | LEDLine S

LEDLine Slim, designed to be used in luminaires or applications such as behind glass, light box and PVC stretch ceiling.

LLK | LEDLine K

LEDLine K, designed to be used in PVC stretch and plaster ceiling, furnitures, concealed and indirect lighting applications.

LLP | LEDLine P

LEDLine P, provides powerful lighting for in- and outdoors in comparison with other linear luminaires.

LLFS8 | LEDLine FS8

LEDLine FS8, designed to be used in luminaires or applications such as behind glass, light box and PVC stretch ceiling.

100 | LEDLine ERL100

LEDLine ERL100, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

75 | LEDLine ERL75

LEDLine ERL75, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

50 | LEDLine ERL50

LEDLine ERL50, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

35 | LEDLine ERL35

LEDLine ERL35, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

25 | LEDLine ERL25

LEDLine ERL25, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

LLG | LEDLine G

LEDLine G, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

LLA | LEDLine A

LEDLine A, provides linear and continuous lighting with mounting options on ceiling surface or by suspending from ceiling.

LLA100 | LEDLine A100

LEDLine A100, provides linear and continuous lighting with mounting options on ceiling surface or by suspending from ceiling.
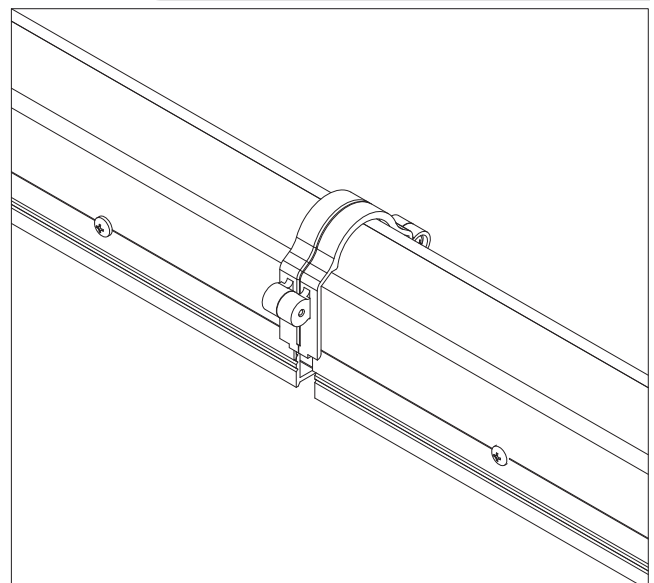
Linear Illumination Products

LMRA | LEDLine MRA

LEDLine MRA, provides the ideal lighting solutions for supermarkets, corridors and shopping malls. These products can be used at desired length without the disclosure of the joints by attaching end-to-end.

LLW1 | LEDLine W1

LEDLine W1, provides a linear and continuous appearance on facades. Employs easy implementation on also aluminium, glass, marble, etc. facade cladding.

LLW2 | LEDLine W2

LEDLine W2, provides a linear and continuous appearance on facades. Employs easy implementation on also aluminium, glass, marble, etc. facade cladding.

LLB33 | LEDLine B33

LEDLine B33, provides a linear and continuous appearance on facades. Employs easy implementation on also aluminium, glass, marble, etc. facade cladding.

LLE | LEDLine E

LEDLine E, is used as étanche luminaire in high humidity environments such as garages, coal cellars and bunkers. In addition to its long lifetime, also provides high energy conservation.

LLU | LEDLine U

LEDLine U, designed to be used in linear lighting and small scale wall lighting.

LLI | LEDLine I

LEDLine I, provides a linear and continuous appearance on facades. Employs easy implementation on also aluminium, glass, marble, etc. facade cladding.
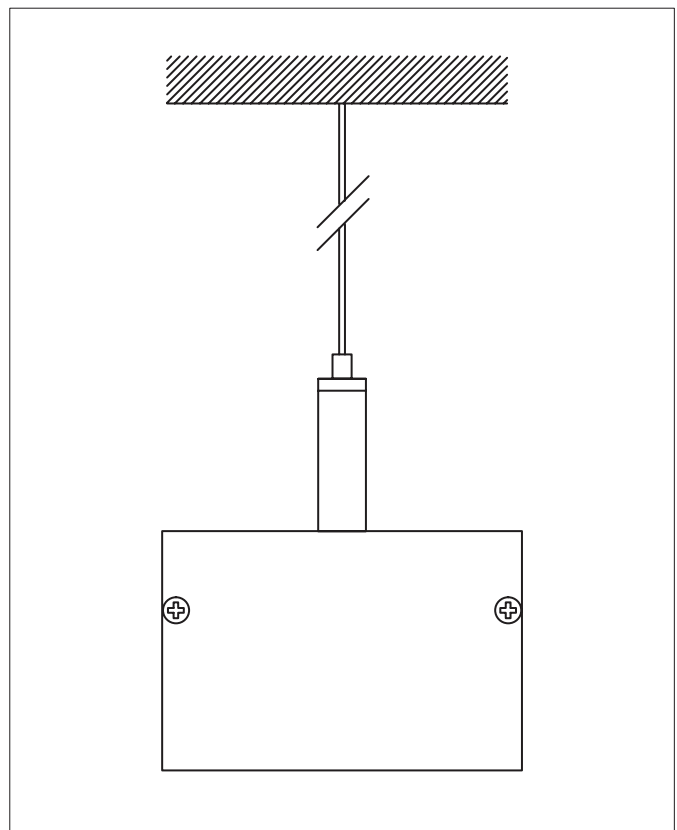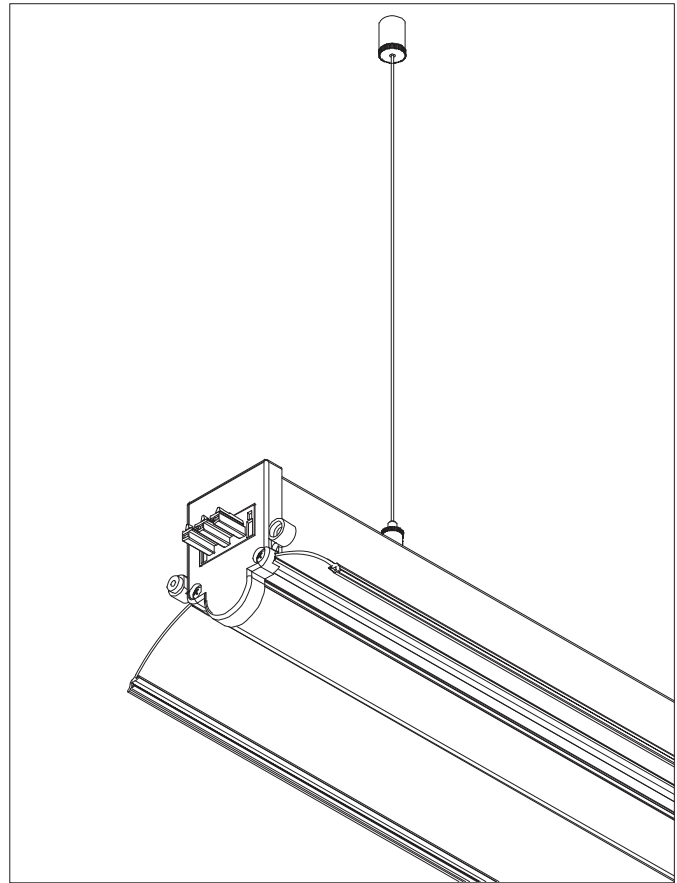
Linear Illumination Products
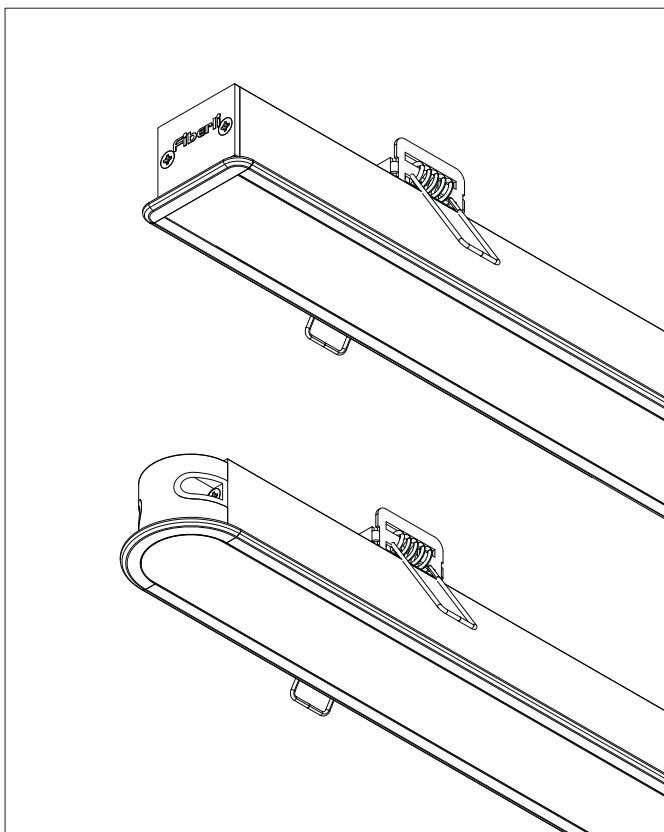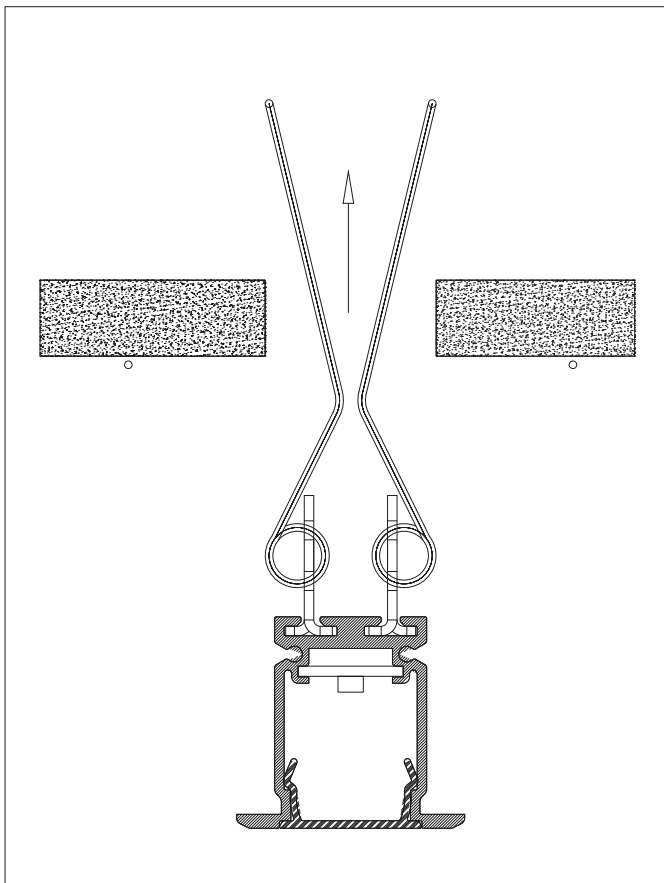
LLKS | LEDLine KS

LEDLine KS, designed to be used in linear lighting and small scale wall lighting.

LLH | LEDLine H

LEDLine H, provides a linear and continuous appearance on facades. Employs easy implementation on also aluminium, glass, marble, etc. facade cladding.

LLCRN | LEDLine CRN

LEDLine CRN, the decorative lighting luminaire applied on indoor ceiling corners. Generates an aesthethic appearance in locations applied.

LLAT | LEDLine AT

LEDLine AT, designed to be used at outdoors and underwater. Provides continuous linear lighting with its exclusive design. Easily mounted by means of mounting clips.

LLUT | LEDLine UT

LEDLine UT, designed to be used at outdoors and underwater. Provides continuous linear lighting with its exclusive design. Easily mounted by means of mounting clips.

LTB | LEDLine TB

LEDLine TB, luminaire designed for the purpose of converting fluorescent lamps into LEDs. This luminaire can directly be mounted in the fluorescent lamp casing due to its dimensioning in T8 fluorescent lamp standards.

LLMS | LEDLine MS

LEDLine MS, used in the illumination of kitchen, bedroom and living room furnitures as wells as for shelving units and shop windows. Easily mounted on various furniture materials.

LEDLine Slim   LLS

Slim luminaire

APPLICATION AREAS

LEDLine Slim, designed to be used in luminaires or applications such as behind glass, light box and PVC stretch ceiling.

ELECTROMECHANICAL SPECIFICATIONS   **LLS**-P-C-J-M

- Anodized aluminium housing
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- In IP20 standard and non inclusive of cover and polymer options.
- As standard, PVC side covered. Produced without top cover in IP20 protection class.
- Designed to operate with 24V DC.
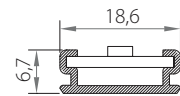
18,6
6,7

*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS   LLS-**P**-C-J-M

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 14W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS   LLS-P-**C**-J-M

C	CW: *Cold White - 4.700K-9.500K*	C	R: *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		A: *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		G: *Green - 525nm*
	F: *RGB*		B: *Blue - 465nm*

SOCKET OPTIONS   LLS-P-C-**J**-M

Luminaire has cabled and socket options.

Vertical socket
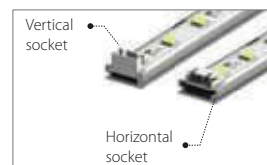
Horizontal socket

J	Y: *Vertical socket*
	D: *Horizontal socket*
	O: *Cable*

PRODUCT CODE EXPENSION

LLS- P - C - J - M

PCB & LED
Işık rengi / Light Color
Jack / Connector/Soket
Montaj / Mounting

LLS LUMINAIRE LED OPTIONS

TopLED

LLS-T30:	*24V DC - 2,4W/m - 240Lm/m*
LLS-T60:	*24V DC - 4,8W/m - 480Lm/m*
LLS-T90:	*24V DC - 7,2W/m - 720Lm/m*

Big TopLED Mono Color

LLS-BT10:	*24V DC - 2,4W/m - 240Lm/m*
LLS-BT15:	*24V DC - 3,6W/m - 360Lm/m*
LLS-BT20:	*24V DC - 4,8W/m - 480Lm/m*
LLS-BT30:	*24V DC - 7,2W/m - 720Lm/m*
LLS-BT30R:	*24V DC - 7,2W/m - 720Lm/m*
LLS-BT45:	*24V DC - 10,8W/m - 1.080Lm/m*
LLS-BT45R:	*24V DC - 10,8W/m - 1.080Lm/m*
LLS-BT60:	*24V DC - 14,4W/m - 1.440Lm/m*
LLS-BT60R:	*24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Full Color

LLS-BT30:	*24V DC - 7,2W/m*
LLS-BT30R:	*24V DC - 7,2W/m*
LLS-BT45:	*24V DC - 10,8W/m*
LLS-BT45R:	*24V DC - 10,8W/m*
LLS-BT60:	*24V DC - 14,4W/m - 1.440Lm/m*
LLS-BT60R:	*24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Full Color Pixel

LLS-BTX30:	*24V DC - 8,4W/m - 5pixel/m*
LLS-BTX45:	*24V DC - 12,6W/m - 7pixel/m*

Power TopLED

LLS-PT15R:	*24V DC - 6W/m - 675Lm/m*
LLS-PT30R:	*24V DC - 12W/m - 1.350Lm/m*

Protection Class: IP20

Lifetime: 50.000 hours

LEDLine S

MOUNTING OPTIONS

LLS-P-C-J-**M**

| M 1: *Steel clip* | M 2: *Double-sided tape* | M 3: *Aluminum clip* | M 4: *Aluminum clip (tall)* |

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*
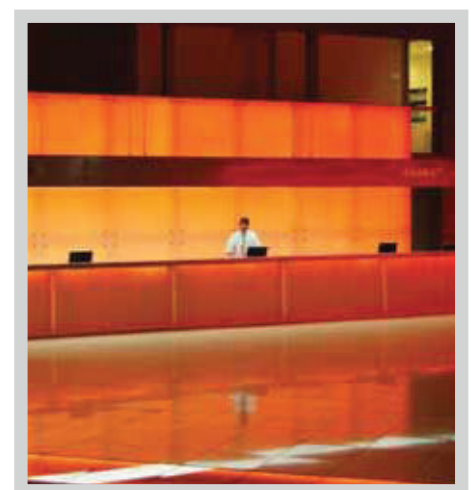
LED LIGHT CE

LEDLine K · LLK

Indirect illuminating

PRODUCT CODE EXPENSION

PCB & LED
Işık rengi / Light Color
IP koruma sınıfı / IP class
Jack / Connector/soket
Montaj / Mounting

LLK-P-C-I-J-M

LLK LUMINAIRE LED OPTIONS

TopLED

LLK-T30:	*24V DC - 2,4W/m - 240Lm/m*
LLK-T60:	*24V DC - 4,8W/m - 480Lm/m*
LLK-T90:	*24V DC - 7,2W/m - 720Lm/m*
LLK-T180:	*24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Mono Color

LLK-BT10:	*24V DC - 2,4W/m - 240Lm/m*
LLK-BT15:	*24V DC - 3,6W/m - 360Lm/m*
LLK-BT20:	*24V DC - 4,8W/m - 480Lm/m*
LLK-BT30:	*24V DC - 7,2W/m - 720Lm/m*
LLK-BT30R:	*24V DC - 7,2W/m - 720Lm/m*
LLK-BT45:	*24V DC - 10,8W/m - 1.080Lm/m*
LLK-BT45R:	*24V DC - 10,8W/m - 1.080Lm/m*
LLK-BT60:	*24V DC - 14,4W/m - 1.440Lm/m*
LLK-BT60R:	*24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Full Color

LLK-BT30:	*24V DC - 7,2W/m*
LLK-BT30R:	*24V DC - 7,2W/m*
LLK-BT45:	*24V DC - 10,8W/m*
LLK-BT45R:	*24V DC - 10,8W/m*
LLK-BT60:	*24V DC - 14,4W/m*
LLK-BT60R:	*24V DC - 14,4W/m*

Big TopLED Full Color Pixel

LLK-BTX30:	*24V DC - 8,4W/m - 5pixel/m*
LLK-BTX45:	*24V DC - 12,6W/m - 7pixel/m*

Power TopLED

LLK-PT15R:	*24V DC - 6W/m - 675Lm/m*
LLK-PT30R:	*24V DC - 12W/m - 1.350Lm/m*
LLK-PT45R:	*24V DC - 18W/m - 2.025Lm/m*

Protection Class: IP20 / IP44 / IP66

Lifetime: 50.000 hours

APPLICATION AREAS

LEDline K, designed to be used in PVC stretch and plaster ceiling, furnitures, concealed and indirect lighting applications.

ELECTROMECHANICAL SPECIFICATIONS — **LLK**-P-C-I-J-M

- Anodized aluminium housing
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- As standard, PVC side covered. Produced without top cover in IP20 protection class.
- Can be promoted to IP44 protection class by adding polycarbonate luminaire glass.
- Can be used in wet environment applications through promoting to IP66 protection class with polymer coating.
- Designed to operate with 24V DC.

14

18,6

*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS — LLK-**P**-C-I-J-M

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 18W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS — LLK-P-**C**-I-J-M

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

LEDLine K

IP PROTECTION CLASS
LLK-P-C-**I**-J-M
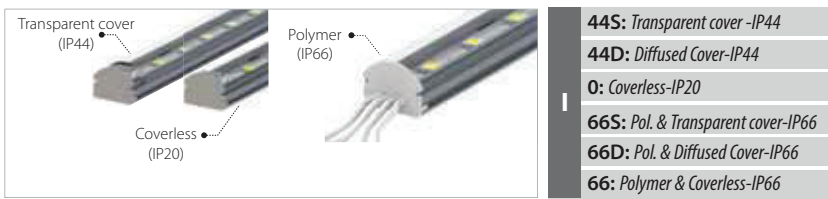
I	
44S: *Transparent cover -IP44*	
44D: *Diffused Cover-IP44*	
0: *Coverless-IP20*	
66S: *Pol. & Transparent cover-IP66*	
66D: *Pol. & Diffused Cover-IP66*	
66: *Polymer & Coverless-IP66*	

The use of polymer not only upgrades the IP class of products but also increases the color temperature of LEDs to a degree.

SOCKET OPTIONS
LLK-P-C-I-**J**-M

Luminaire has cabled and socket options.

J	
Y: *Vertical socket*	
D: *Horizontal socket*	
K: *Cable*	
I: *IP Socket cable*	

MOUNTING OPTIONS
LLK-P-C-I-J-**M**

M **1:** *Steel clip*	**M** **2:** *Double-sided tape*	**M** **3:** *Aluminum clip*	**M** **4:** *Aluminum clip (tall)*

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLine P

LLP

Linear luminaire

APPLICATION AREAS

LEDLine P, provides powerful lighting for in- and outdoors in comparison with other linear luminaires.

ELECTROMECHANICAL SPECIFICATIONS

LLP-P-C-O-J-I-M

- Anodized aluminium housing
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- As standard, PVC side covered. Produced without top cover in IP20 protection class.
- Can be promoted to IP44 protection class by adding polycarbonate luminaire glass.
- Can be used in wet environment applications through promoting to IP66 protection class with polymer coating.
- Designed to operate with 24V DC.

18,7

30,6

All of the measurements for LEDLine product groups are in mm.

PRODUCT CODE EXPENSION

PCB & LED
Işık rengi / Light Color
Lens&Optik / Lens&Optic
Jack / connector/soket
IP koruma sınıfı / IP class
Montaj / Mounting

LLP-P-C-O-J-I-M

LLP LUMINAIRE LED OPTIONS

TopLED

LLP-T90:	*24V DC - 7,2W/m - 720Lm/m*
LLP-T180:	*24V DC - 14,4W/m - 1.440Lm/m*

Power TopLED

LLP-PT60R:	*24V DC - 24W/m - 2.700Lm/m*
LLP-PT90R:	*24V DC - 36W/m - 4.050Lm/m*

PowerLED

LLP-P15SD:	*24V DC - 21W/m - 2.400Lm/m*
LLP-P20SD:	*24V DC - 28W/m - 3.200Lm/m*
LLP-PSD:	*24V DC - 1,25W/ad. - 160Lm/pcs.*

PCB & LED SPECIFICATIONS

LLP-**P**-C-O-J-I-M

- LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. Only single sided PCB is utilised for this profile with the highest cooling rate of 36W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS

LLP-P-**C**-O-J-I-M

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

LENS OPTIONS

LLP-P-C-**O**-J-I-M

O **N:** *Narrow*	O **M:** *Medium*	O **XW:** *Without Lens*
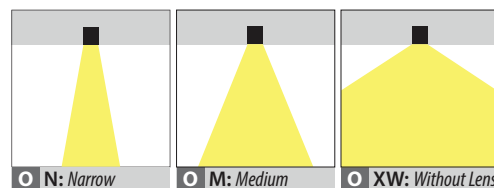
Protection Class: IP20 / IP44 / IP66

Lifetime: 50.000 hours

LEDLine P

SOCKET OPTIONS

LLP-P-C-O-**J**-I-M

Luminaire has cabled and socket options.

	K: *Cable*	
J	**I**: *IP Socket Cable*	

IP PROTECTION CLASS

LLP-P-C-O-J-**I**-M

I	**20**: *Coverless-IP20*

I	**44S**: *Transparent cover -IP44*
	44D: *Diffused Cover-IP44*

I	**66S**: *Pol. & Transparent cover-IP66*
	66D: *Pol. & Diffused Cover-IP66*
	66: *Polymer & Coverless-IP66*

*Polymer is not applied with the PowerLED option.

MOUNTING OPTIONS

LLP-P-C-O-J-I-**M**
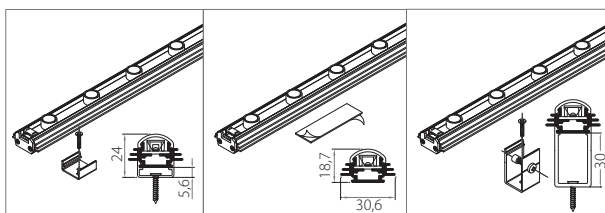
M 1: *Steel clip*	**M** 2: *Double-sided tape*	**M** 4: *Aluminum clip (tall)*

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS

UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLine Fit Slim 8 — LLFS8

Linear luminaire

PRODUCT CODE EXTENSION

LLFS8-P-C-J-I

PCB & LED
Işık rengi / Light Color
Jack / connector / soket
IP koruma sınıfı / IP class

LLFS8 LUMINAIRE LED OPTIONS

P

TopLED

LLFS8 T40: *24V DC - 3W/m* - 300Lm*	
LLFS8 T60: *24V DC - 4,5W/m** - 450Lm*	

Big TopLED Mono Color

LLFS8 BT60: *24V DC - 12W/m** - 1.200Lm*

* Maximum length of this product, when supply is administered from a single location, is 2.4 meters.
**Maximum length of this product, when supply is administered from a single location, is 4.8 meters.

APPLICATION AREAS

LEDLine FS8, designed to be used in luminaires or applications such as behind glass, light box and PVC stretch ceiling.

ELECTROMECHANICAL SPECIFICATIONS   LLFS8-P-C-J-I

- Anodized aluminium housing
- As standard, produced in 120 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- Luminaires are designed to be operative at 24V DC, as standard.

12,5

7
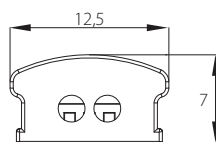
*All of the measurements for LEDLine product groups are in mm.

LIGHT COLOUR OPTIONS   LLFS8-P-**C**-J-I

C	**CW:** *Cold White - 4.700K-9.500K*	**C**	**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*
			B: *Blue - 465nm*

SOCKET OPTIONS   LLFS8-P-C-**J**-I

- Luminaire has cabled and socket options.

Cable Socket

IP Cable Socket

Cable

J	**K**: *Cable*
	S: *Cable Socket*
	I: *IP Cable Socket*

Protection Class: IP20 / IP44 / IP66

Lifetime: 50.000 hours

LEDLine FS8

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
0-10V DC - *Analog 0-10V DC Control*

IP PROTECTION CLASS   LLFS8-P-C-J-**I**

Diffused Cover (IP40)

Polymer (IP66)

Coverless (IP20)

I	**0:** *Coverless-IP20*
	44S: *Transparent cover-IP40*
	44D: *Diffused Cover-IP40*
	66S: *Pol. & Transparent cover-IP66*
	66D: *Pol. & Diffused Cover-IP66*
	66: *Polymer & Coverless -IP66*

The use of polymer not only upgrades the IP class of products but also increases the color temperature of LEDs to a degree.

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

LEDLine Luminaires

Endless Recessed Linear100   ERL100

Recessed luminaire

APPLICATION AREAS

LEDLine ERL100, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

ELECTROMECHANICAL SPECIFICATIONS   ERL100-W-C-U

- Linear luminaire with 100mm width
- Anodized aluminium housing
- Polycarbonate luminair glass.
- ABS side cover
- Can be produced in maximum 4-meter parts.
- Designed to operate with 24V DC.

*All of the measurements for LEDLine product groups are in mm.

LED & POWER SPECIFICATIONS   ERL100-**W**-C-U

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 72W/m. *(P.S. LEDLine Power Options)*

LIGHT COLOUR OPTIONS   ERL100-W-**C**-U

C	CW: *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*
	F: *RGB*

PRODUCT CODE EXPENSION

Güç / Power / Watt
Işık rengi / Light Color
Üst parçalar / Up parts

ERL100-**W**-**C**-**U**

ERL100 POWER OPTIONS

W	**Mono Color**	
	ERL100: *24V DC - 24W/m - 2.700Lm/m*	
	ERL100: *24V DC - 36W/m - 4.050Lm/m*	
	ERL100: *24V DC - 48W/m - 5.400Lm/m*	
	ERL100: *24V DC - 54W/m - 6.075Lm/m*	
	ERL100: *24V DC - 72W/m - 8.100Lm/m*	
	Full Color	
	ERL100: *24V DC - 14W/m*	
	ERL100: *24V DC - 28W/m*	
	ERL100: *24V DC - 43W/m*	

*Luminaire with 25, 35, 50, 75 and 100 mm width are standard productions and luminaires wider than 100mm are custom productions.

Protection Class: IP40

Lifetime: 50.000 hours

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

fiberli

Fiberoptic & LED Products Catalogue

LED LIGHT CE

LEDLine ERL100

PRODUCIBILITY OPTIONS

ERL100 Flat
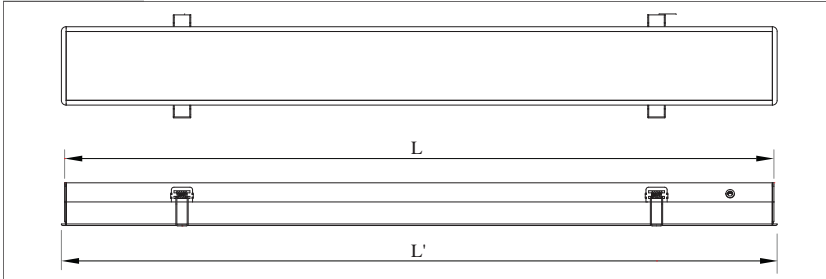
Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL100-24W	220mm	200mm	L+14mm
ERL100-36W	153mm	133mm	L+14mm
ERL100-48W	120mm	100mm	L+14mm
ERL100-54W	153mm	133mm	L+14mm
ERL100-72W	86mm	66mm	L+14mm
ERL100-14W	220mm	200mm	L+14mm
ERL100-28W	120mm	100mm	L+14mm
ERL100-43W	220mm	200mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

ERL100 Oval
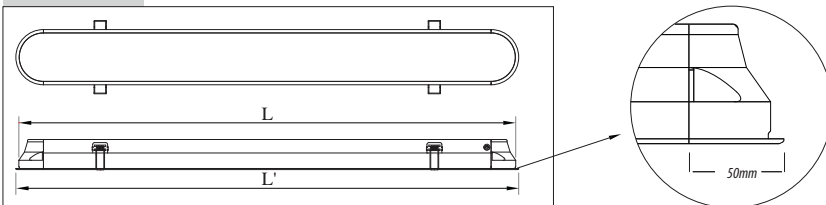
Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL100-24W	280mm	200mm	L+14mm
ERL100-36W	213mm	133mm	L+14mm
ERL100-48W	190mm	100mm	L+14mm
ERL100-54W	213mm	133mm	L+14mm
ERL100-72W	146mm	66mm	L+14mm
ERL100-14W	280mm	200mm	L+14mm
ERL100-28W	180mm	100mm	L+14mm
ERL100-43W	280mm	200mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

fiberli / *Contemporary illuminating technics...*

LED LIGHT CE

Endless Recessed Linear100   ERL100

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally.

PRODUCT OPTIONS   ERL100-W-C-**U**
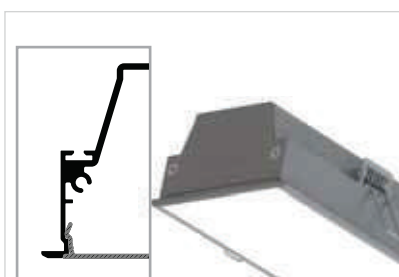
DY ERL100: *Flat Surface*
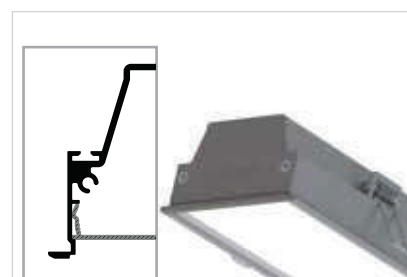
DD ERL100: *Flat Deep Surface*
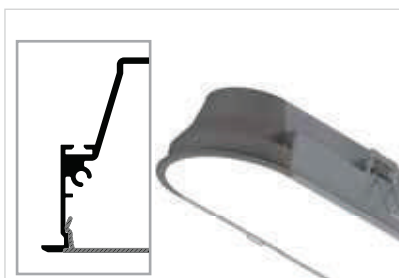
OY ERL100: *Oval Surface*
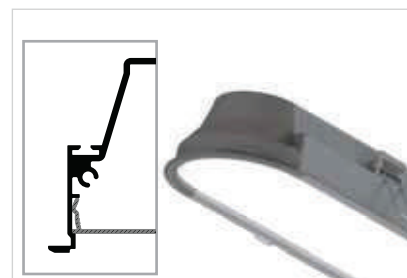
OD ERL100: *Oval Deep Surface*

LEDLine ERL100

MOUNTING

Luminaire is mounted to slots with a 100 mm width opening, with mounting springs.

ERL100 Flat

99 mm
58
111
L
L'
100
L

ERL100 OVAL

99 mm
58
111
L
L'
Ø100mm
① r:50mm
L
L-100mm
②
① Ø100MM
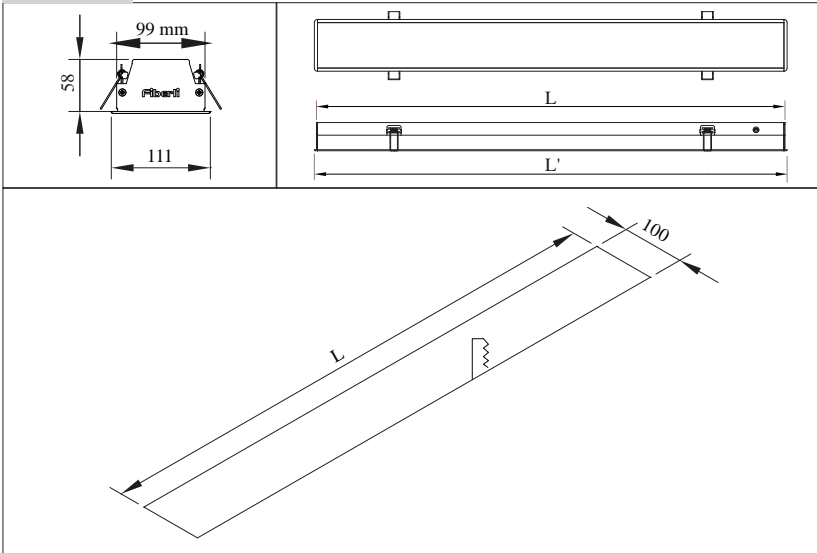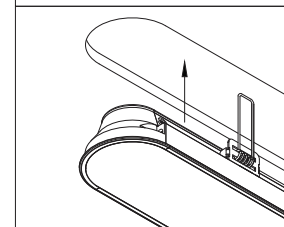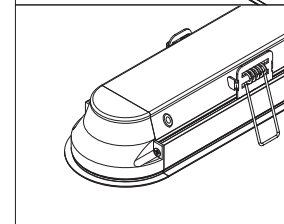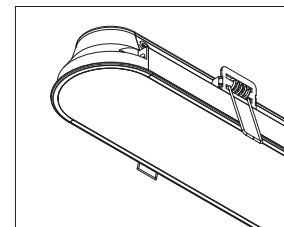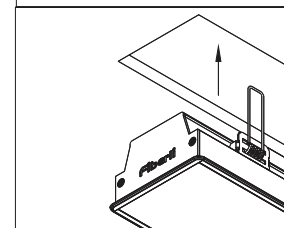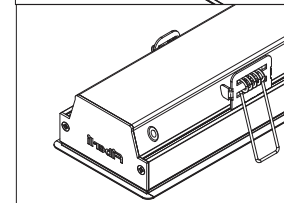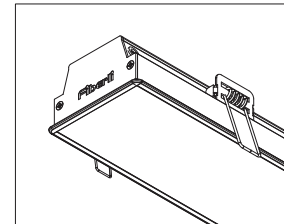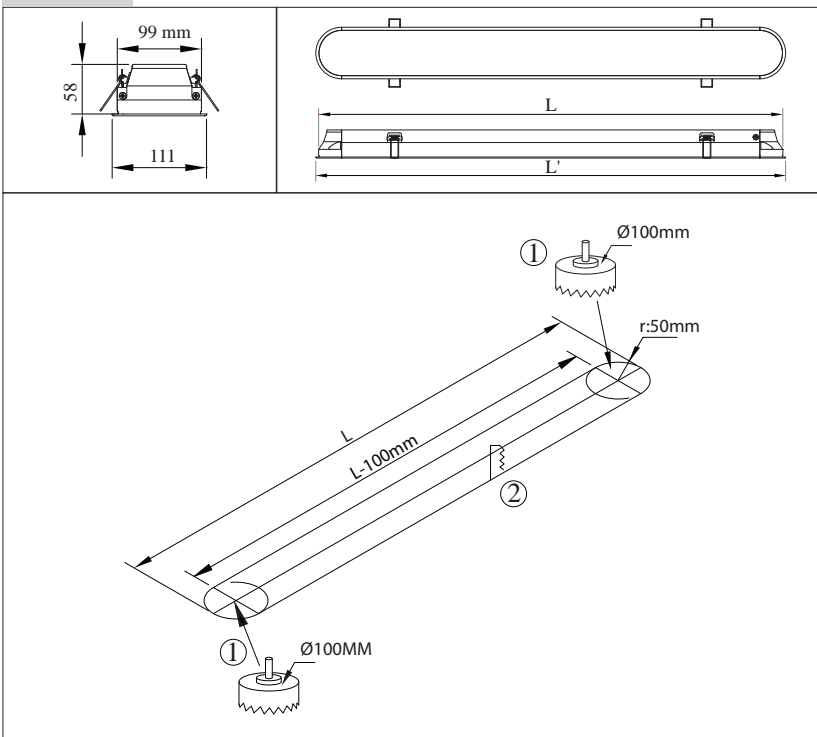
Endless Recessed Linear75   ERL75

Recessed luminaire

APPLICATION AREAS

LEDLine ERL75, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

ELECTROMECHANICAL SPECIFICATIONS   ERL75-W-C-U

- Linear luminaire with 100mm width
- Anodized aluminium housing
- Polycarbonate luminair glass.
- ABS side cover
- Can be produced in maximum 4-meter parts.
- Designed to operate with 24V DC.

*All of the measurements for LEDLine product groups are in mm.

LED & POWER SPECIFICATIONS   ERL75-**W**-C-U

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 72W/m. *(P.S. LEDLine Power Options)*

LIGHT COLOUR OPTIONS   ERL75-W-**C**-U

CW: *Cold White - 4.700K-9.500K*
NW: *Natural White - 3.700K-4.700K*
WW: *Warm White - 2.700K-3.700K*
F: *RGB*

PRODUCT CODE EXPENSION

*Güç / Power / **Watt***
*Işık rengi / Ligh **C**olor*
*Üst parçalar / **U**p parts*

ERL75-W-C-U

ERL75 POWER OPTIONS

Mono Color

W	
	ERL75: *24V DC - 24W/m - 2.700Lm/m*
	ERL75: *24V DC - 36W/m - 4.050Lm/m*
	ERL75: *24V DC - 48W/m - 5.400Lm/m*
	ERL75: *24V DC - 72W/m - 8.100Lm/m*

Full Color

ERL75: *24V DC - 14W/m*
ERL75: *24V DC - 28W/m*

*Luminaire with 25, 35, 50, 75 and 100 mm width are standard productions and luminaires wider than 100mm are custom productions.
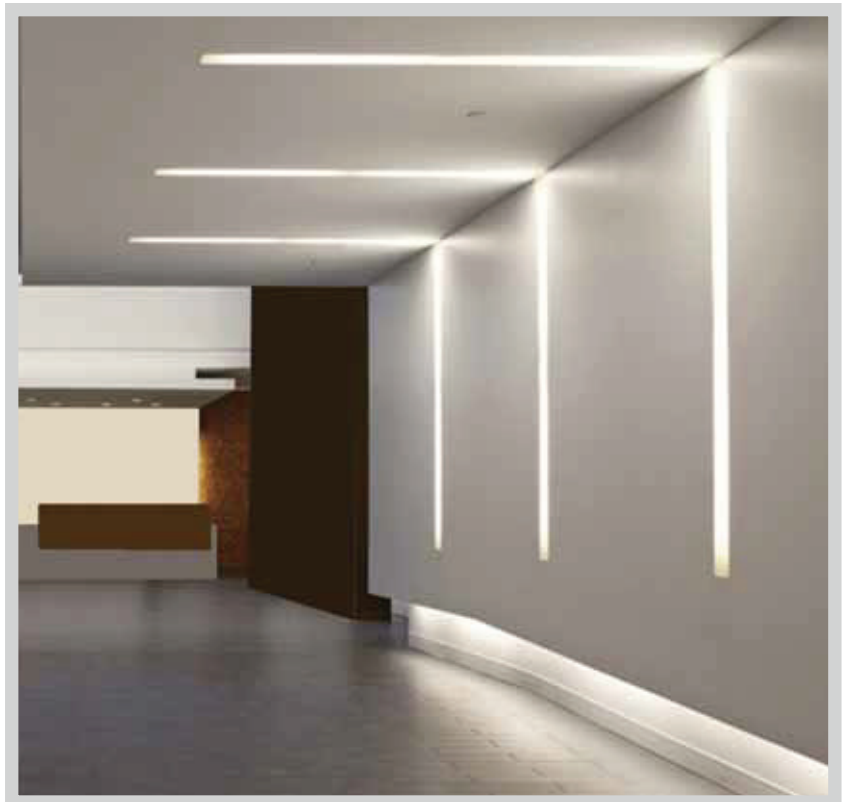
Protection Class: IP40

Lifetime: 50.000 hours

LEDLine ERL75

PRODUCIBILITY OPTIONS

ERL75 Flat

L

L'

Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL75-24W	220mm	200mm	L+14mm
ERL75-36W	153mm	133mm	L+14mm
ERL75-48W	120mm	100mm	L+14mm
ERL75-72W	86mm	66mm	L+14mm
ERL75-14W	220mm	200mm	L+14mm
ERL75-28W	120mm	100mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

ERL75 Oval

L

L'

37,5mm
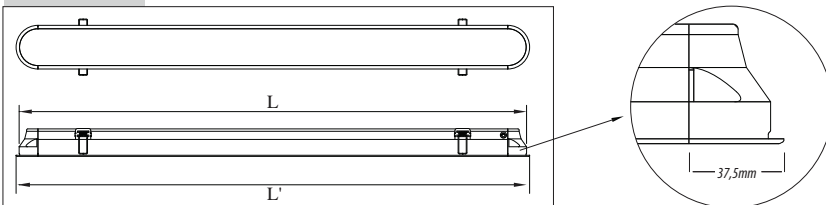
Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL75-24W	255mm	200mm	L+14mm
ERL75-36W	188mm	133mm	L+14mm
ERL75-48W	155mm	100mm	L+14mm
ERL75-72W	121mm	66mm	L+14mm
ERL75-14W	255mm	200mm	L+14mm
ERL75-28W	155mm	100mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

Endless Recessed Linear75 — ERL75

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally.

PRODUCT OPTIONS   ERL75-P-C-**U**
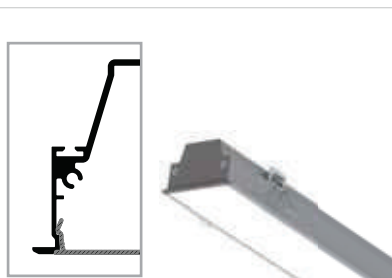
DY **ERL75:** *Flat Surface*
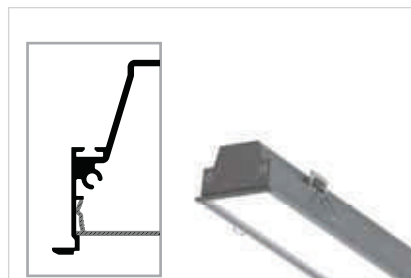
DD **ERL75:** *Flat Deep Surface*

OY **ERL75:** *Oval Surface*
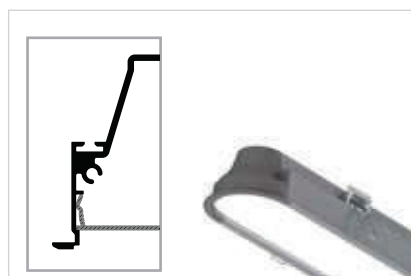
OD **ERL75:** *Oval Deep Surface*

LEDLine ERL75

MOUNTING

Luminaire is mounted to slots with a 75 mm width opening, with mounting springs.

ERL75 Flat

74
52
86
L
L'
75
L

ERL75 Oval

74
52
86
L
L'
① Ø75MM
r :37,5mm
L
L1
②
① Ø75MM
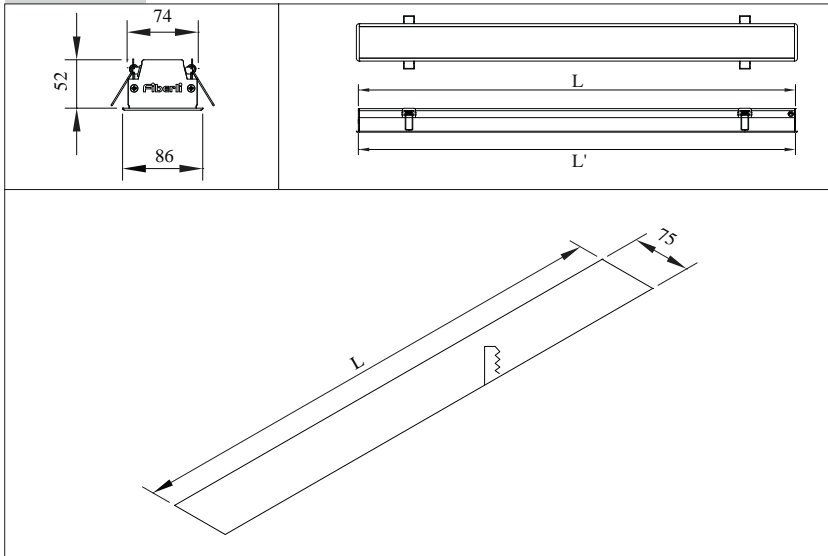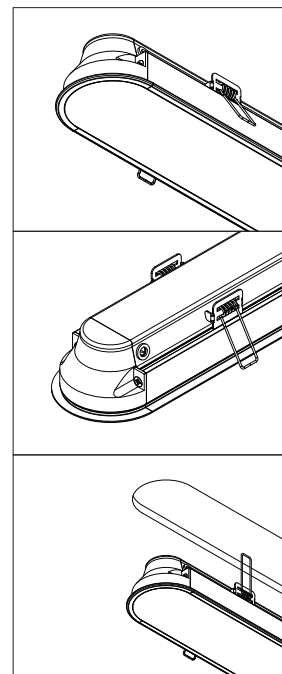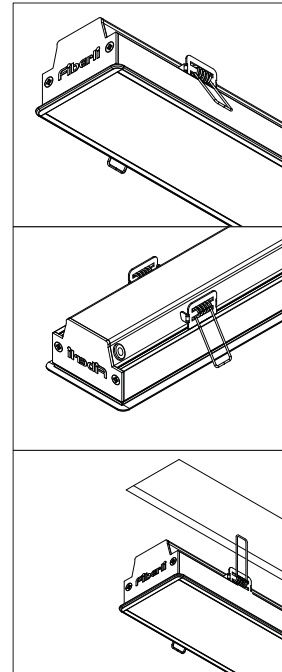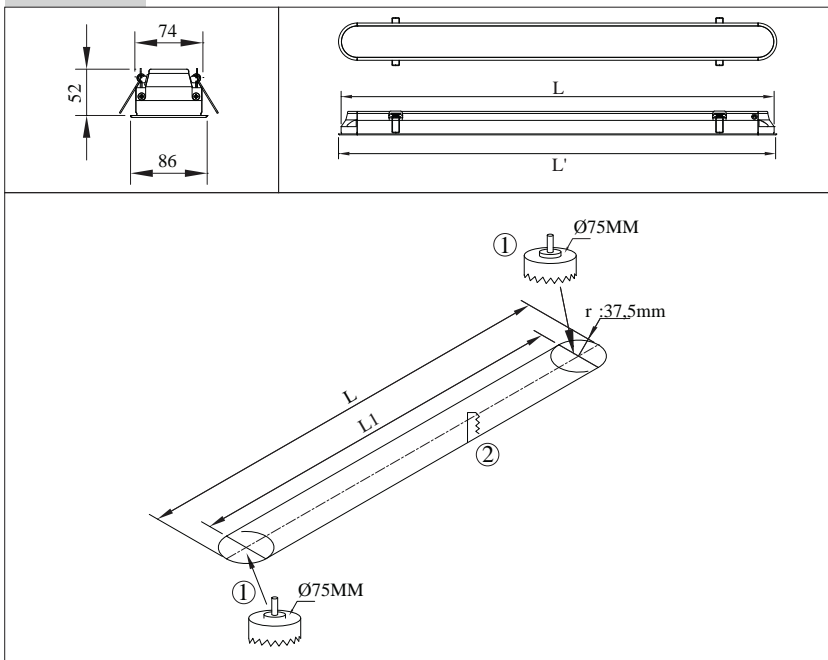
Endless Recessed Linear50   ERL50

Recessed luminaire

APPLICATION AREAS

LEDLine ERL50, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

ELECTROMECHANICAL SPECIFICATIONS   ERL50-W-C-U

- Linear luminaire with 50mm width
- Anodized aluminium housing
- Polycarbonate luminair glass.
- ABS side cover
- Can be produced in maximum 4-meter parts.
- Designed to operate with 24V DC.

*All of the measurements for LEDLine product groups are in mm.

LED & POWER SPECIFICATIONS   ERL50-**W**-C-U

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 36W/m. *(P.S. LEDLine Power Options)*

LIGHT COLOUR OPTIONS   ERL50-W-**C**-U

C	
CW: *Cold White - 4.700K-9.500K*	
NW: *Natural White - 3.700K-4.700K*	
WW: *Warm White - 2.700K-3.700K*	
F: *RGB*	

PRODUCT CODE EXPENSION

*Güç / Power / **Watt***   *Işık rengi / Ligh**t C**olor*   *Üst parçalar / **U**p parts*

ERL50-W-C-U

ERL50 POWER OPTIONS

Mono Color

W	
ERL50: *24V DC - 12W/m - 1.350Lm/m*
ERL50: *24V DC - 18W/m - 2.000Lm/m*
ERL50: *24V DC - 24W/m - 2.700Lm/m*
ERL50: *24V DC - 36W/m - 4.000Lm/m*

RGB

ERL50: *24V DC - 7W/m*
ERL50: *24V DC - 14W/m*

*Luminaire with 25, 35, 50, 75 and 100 mm width are standard productions and luminaires wider than 100mm are custom productions.

Protection Class: IP40

Lifetime: 50.000 hours

LEDLine ERL50

PRODUCIBILITY OPTIONS

ERL50 Flat
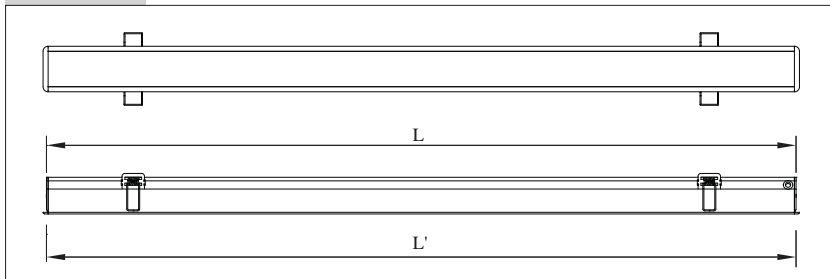
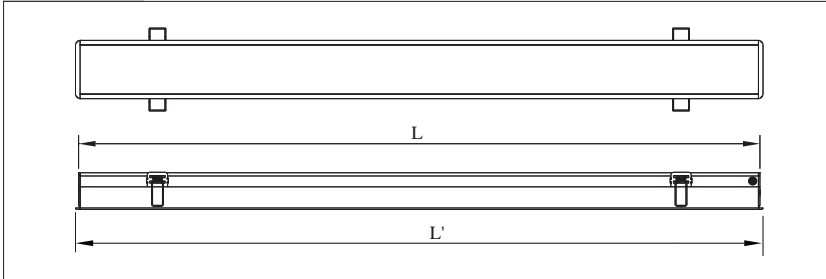| Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL50-12W	220mm	200mm	L+14mm
ERL50-18W	153mm	133mm	L+14mm
ERL50-24W	120mm	100mm	L+14mm
ERL50-36W	86mm	66mm	L+14mm
ERL50-7W	210mm	200mm	L+14mm
ERL50-14W	110mm	100mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

ERL50 Oval
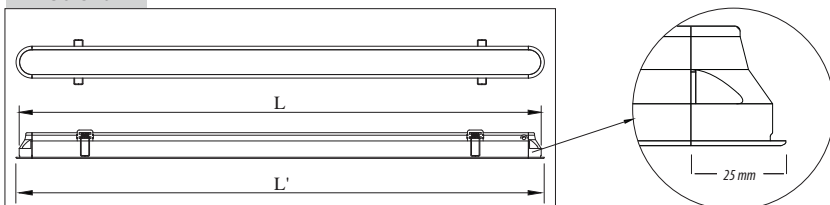
Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL50-12W	230mm	200mm	L+14mm
ERL50-18W	163mm	133mm	L+14mm
ERL50-24W	130mm	100mm	L+14mm
ERL50-36W	96mm	66mm	L+14mm
ERL50-14W	230mm	200mm	L+14mm
ERL50-28W	130mm	100mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

Contemporary illuminating technics...

Endless Recessed Linear50   ERL50

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally.

PRODUCT OPTIONS   ERL50-W-C-**U**
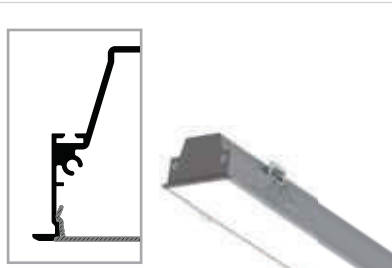
DY ERL50: *Flat Surface*
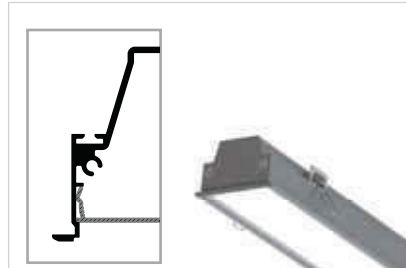
DD ERL50: *Flat Deep Surface*
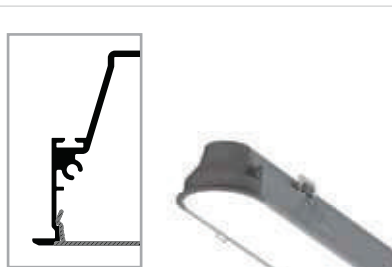
OY ERL50: *Oval Surface*
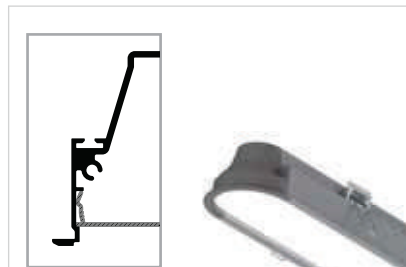
OD ERL50: *Oval Deep Surface*

LEDLine ERL50

MOUNTING

Luminaire is mounted to slots with a 50 mm width opening, with mounting springs.

ERL50 Flat

49mm

47

61

L

L'

50mm

L

ERL50 Oval

49mm

47

61

L

L'

Ø50MM

①

r :25mm

L

L1

②

① Ø50MM
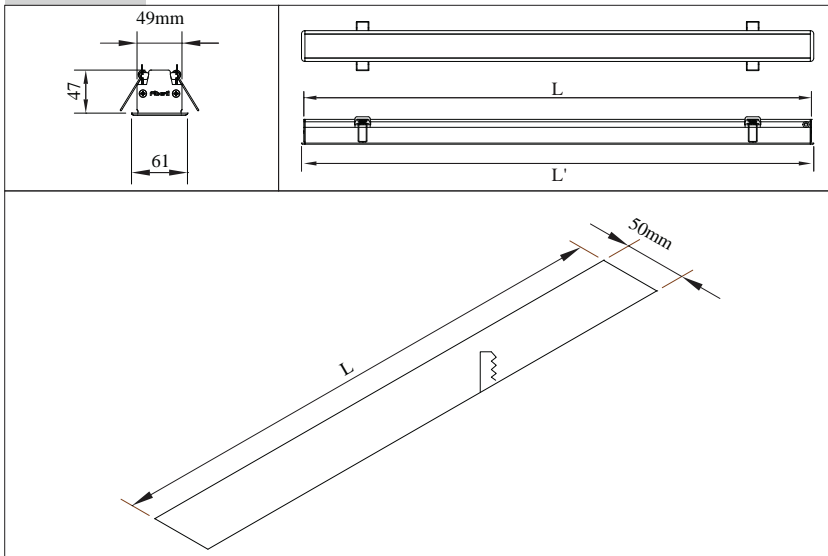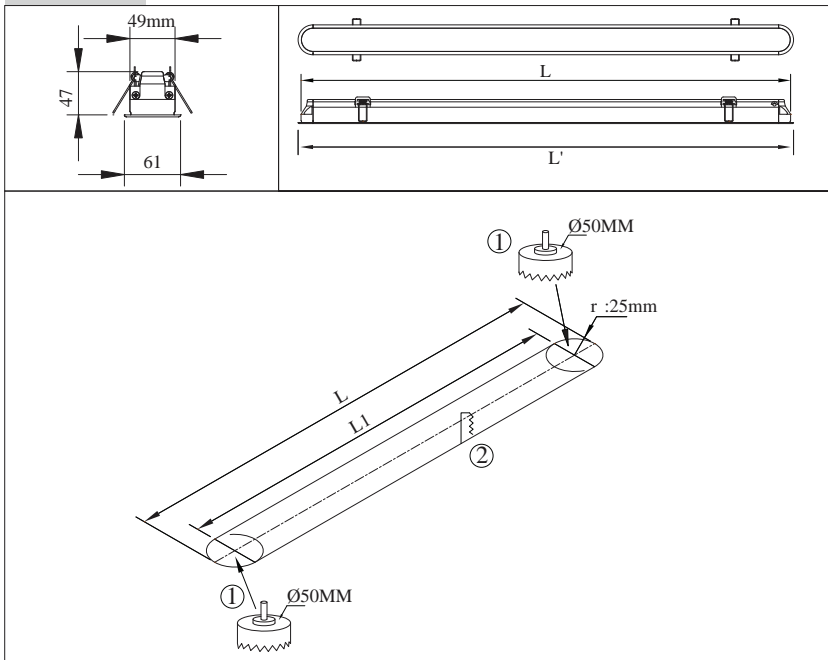
LEDLine Luminaires

Endless Recessed Linear35   ERL35

Recessed luminaire

PRODUCT CODE EXPENSION

*Güç / Power / **Watt***
*Işık rengi / Light **Color***
*Üst parçalar / **Up parts***

ERL35-**W**-**C**-**U**

ERL35 POWER OPTIONS

Mono Color

	ERL35: *24V DC - 7W/m - 750Lm/m*
	ERL35: *24V DC - 14W/m - 1.350Lm/m*
	ERL35: *24V DC - 12W/m - 1.350Lm/m*
W	**ERL35:** *24V DC - 18W/m - 2.025Lm/m*
	ERL35: *24V DC - 24W/m - 2.700Lm/m*
	ERL35: *24V DC - 36W/m - 4.050Lm/m*

RGB

	ERL35: *24V DC - 7W/m*
	ERL35: *24V DC - 14W/m*

*Luminaire with 25, 35, 50, 75 and 100 mm width are standard productions and luminaires wider than 100mm are custom productions.

APPLICATION AREAS

LEDLine ERL35, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure

ELECTROMECHANICAL SPECIFICATIONS   ERL35-W-C-U

- Linear luminaire with 35mm width
- Anodized aluminium housing
- Polycarbonate luminair glass.
- ABS side cover
- Can be produced in maximum 4-meter parts.
- Designed to operate with 24V DC.

*All of the measurements for LEDLine product groups are in mm.

LED & POWER SPECIFICATIONS   ERL35-**W**-C-U

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 36W/m.
(P.S. LEDLine Power Options)

LIGHT COLOUR OPTIONS   ERL35-W-**C**-U

	CW: *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
C	**WW:** *Warm White - 2.700K-3.700K*
	F: *RGB*
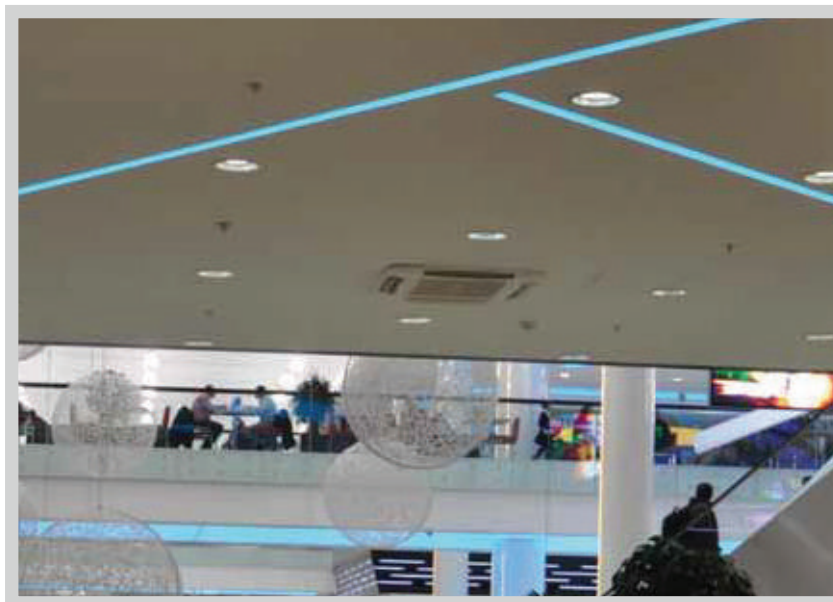
LEDLine ERL35

PRODUCIBILITY OPTIONS

ERL35 Flat
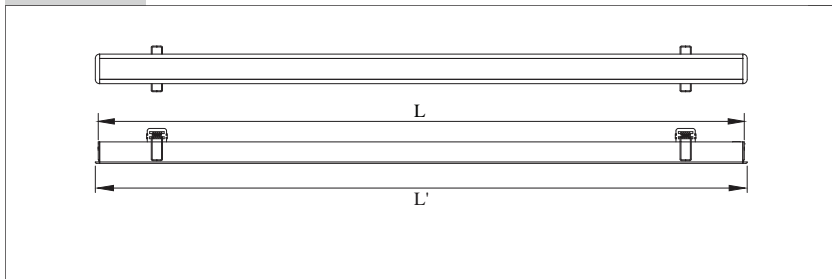
Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL35-7W	120mm	100mm	L+14mm
ERL35-14W	120mm	100mm	L+14mm
ERL35-12W	220mm	200mm	L+14mm
ERL35-18W	153mm	133mm	L+14mm
ERL35-24W	120mm	100mm	L+14mm
ERL35-36W	86mm	66mm	L+14mm
ERL35-7W	210mm	200mm	L+14mm
ERL35-14W	110mm	100mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

ERL35 Oval

17,5 mm
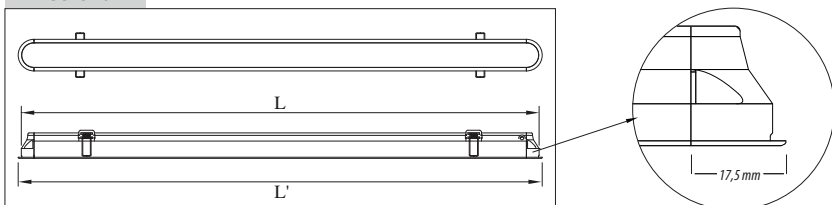
Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL35-7W	135mm	100mm	L+14mm
ERL35-14W	135mm	100mm	L+14mm
ERL35-12W	235mm	200mm	L+14mm
ERL35-18W	168mm	133mm	L+14mm
ERL35-24W	135mm	100mm	L+14mm
ERL35-36W	101mm	66mm	L+14mm
ERL35-14W	235mm	200mm	L+14mm
ERL35-28W	135mm	100mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

Endless Recessed Linear35   ERL35

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally.

PRODUCT OPTIONS   ERL35-W-C-**U**
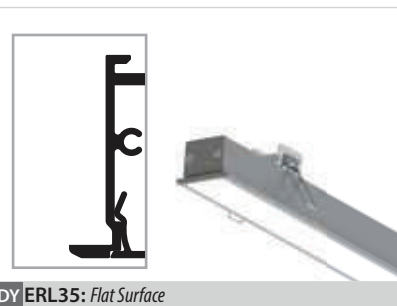
DY ERL35: *Flat Surface*
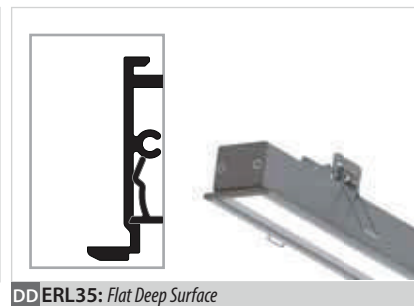
DD ERL35: *Flat Deep Surface*
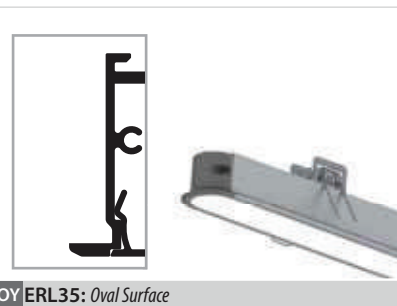
OY ERL35: *Oval Surface*
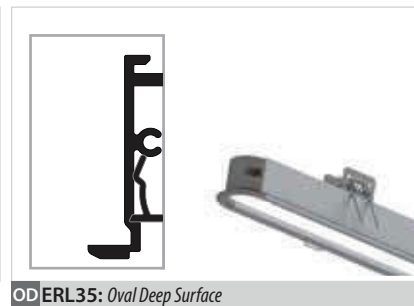
OD ERL35: *Oval Deep Surface*
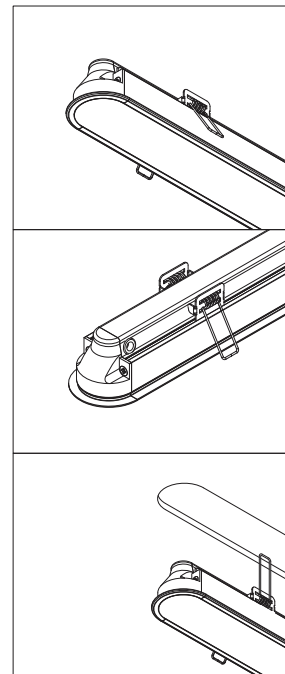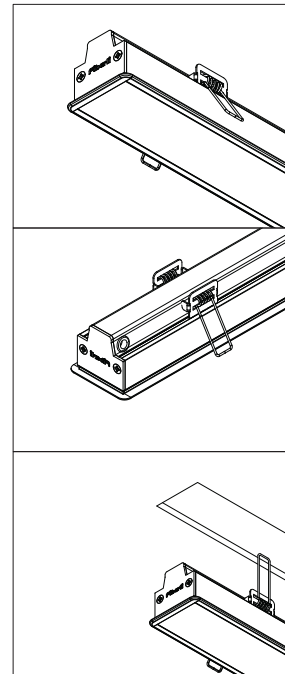
LEDLine ERL35

MOUNTING

Luminaire is mounted to slots with a 35 mm width opening, with mounting springs.

ERL35 Flat
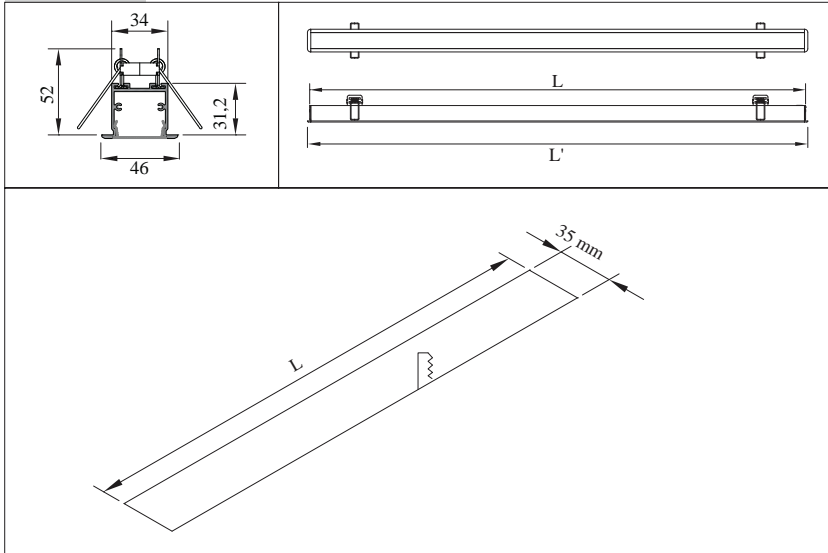
ERL35 Oval
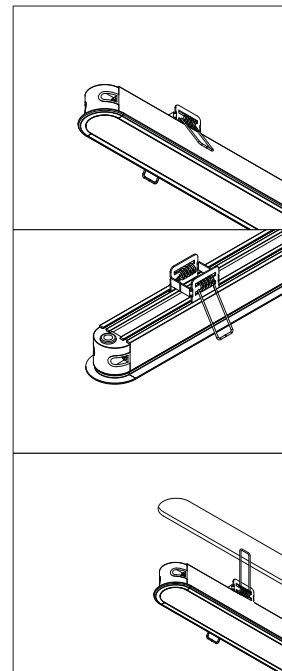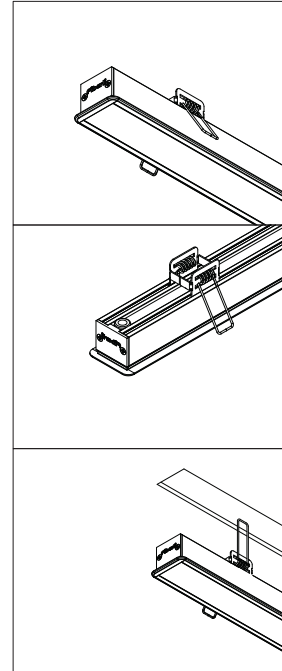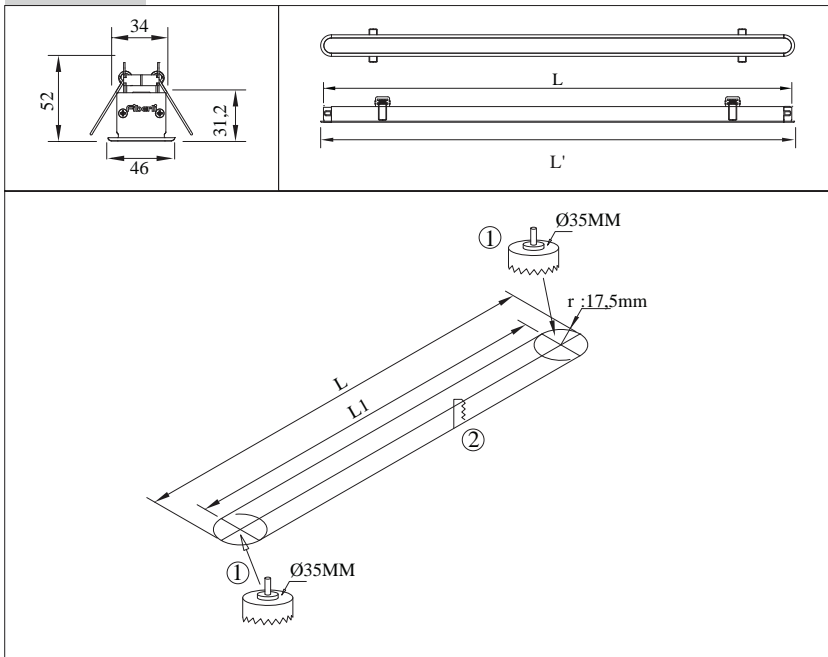
LEDLine Luminaires

Endless Recessed Linear25   ERL25

Recessed luminaire

APPLICATION AREAS

LEDLine ERL25, the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure.

ELECTROMECHANICAL SPECIFICATIONS   ERL25-W-C-U

- Linear luminaire with 25mm width
- Anodized aluminium housing
- Polycarbonate luminair glass.
- ABS side cover
- Can be produced in maximum 4-meter parts.
- Designed to operate with 24V DC.

All of the measurements for LEDLine product groups are in mm.

LED & POWER SPECIFICATIONS   ERL25-**W**-C-U

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 72W/m. *(P.S. LEDLine Power Options)*

LIGHT COLOUR OPTIONS   ERL25-W-**C**-U

	CW: *Cold White - 4.700K-9.500K*
C	**NW:** *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*
	F: *RGB*

PRODUCT CODE EXPENSION

Güç / Power / **Watt**
Işık rengi / Ligh**t** **C**olor
Üst parçalar / **U**p parts

ERL25-W-C-U

ERL25 POWER OPTIONS

Mono Color

W	
	ERL25: *24V DC - 7W/m - 750Lm/m*
	ERL25: *24V DC - 14W/m - 1.350Lm/m*
	ERL25: *24V DC - 12W/m - 1.350Lm/m*
	ERL25: *24V DC - 18W/m - 2.025Lm/m*
	ERL25: *24V DC - 24W/m - 2.700Lm/m*
	RGB
	ERL25: *24V DC - 7,2W/m*
	ERL25: *24V DC - 14,4W/m*

*Luminaire with 25, 35, 50, 75 and 100 mm width are standard productions and luminaires wider than 100mm are custom productions.

Protection Class: IP40

Lifetime: 50.000 hours

LEDLine ERL25

PRODUCIBILITY OPTIONS

ERL25 Flat
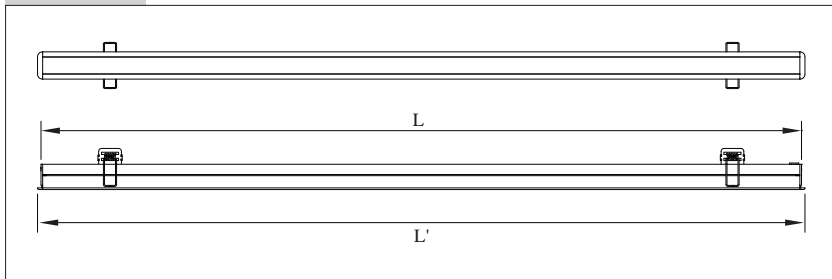
Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL25-7W	120mm	100mm	L+14mm
ERL25-14W	120mm	100mm	L+14mm
ERL25-12W	220mm	200mm	L+14mm
ERL25-18W	153mm	133mm	L+14mm
ERL25-24W	120mm	100mm	L+14mm
ERL25-7W	220mm	200mm	L+14mm
ERL25-14W	120mm	100mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

ERL25 Oval
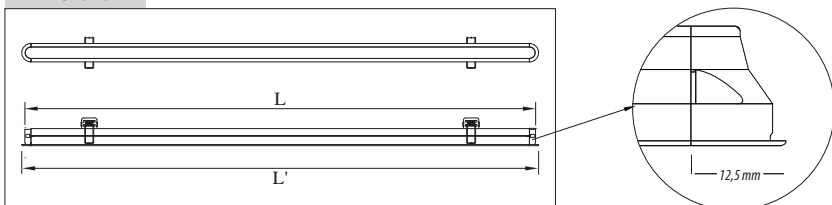
12,5 mm

Product Code	Min Dimension (L)*	Producibility**	Outside Dimension L¹
ERL25-7W	125mm	100mm	L+14mm
ERL25-14W	125mm	100mm	L+14mm
ERL25-12W	225mm	200mm	L+14mm
ERL25-18W	158mm	133mm	L+14mm
ERL25-24W	125mm	100mm	L+14mm
ERL25-7W	225mm	200mm	L+14mm
ERL25-14W	125mm	100mm	L+14mm

* "L" measurement is the profile length including side covers.
** Producibility tiers should be calculated after added to minimum dimension. (min. dimension + (producibility X pcs)

Fiberli *Contemporary illuminating technics...*

LED LIGHT CE

Endless Recessed Linear25   ERL25

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally.

PRODUCT OPTIONS   ERL25-W-C-**U**
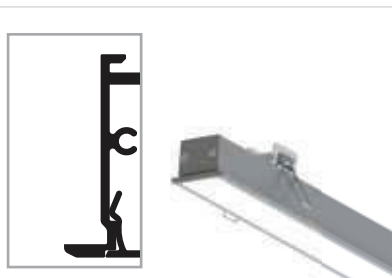
DY ERL25: *Flat Surface*
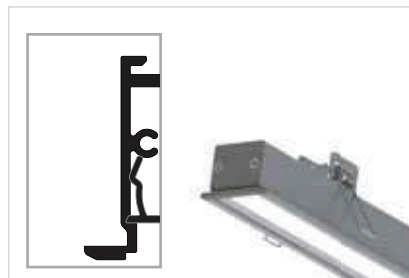
DD ERL25: *Flat Deep Surface*
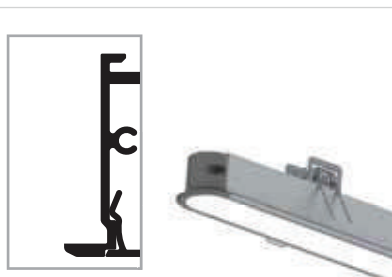
OY ERL25: *Oval Surface*
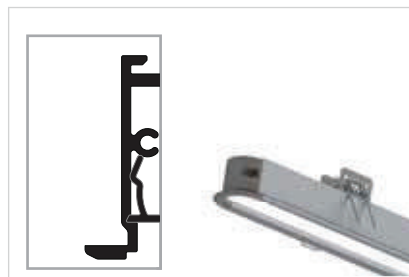
OD ERL25: *Oval Deep Surface*

LEDLine ERL25

MOUNTING

Luminaire is mounted to slots with a 25 mm width opening, with mounting springs.

ERL25 Flat
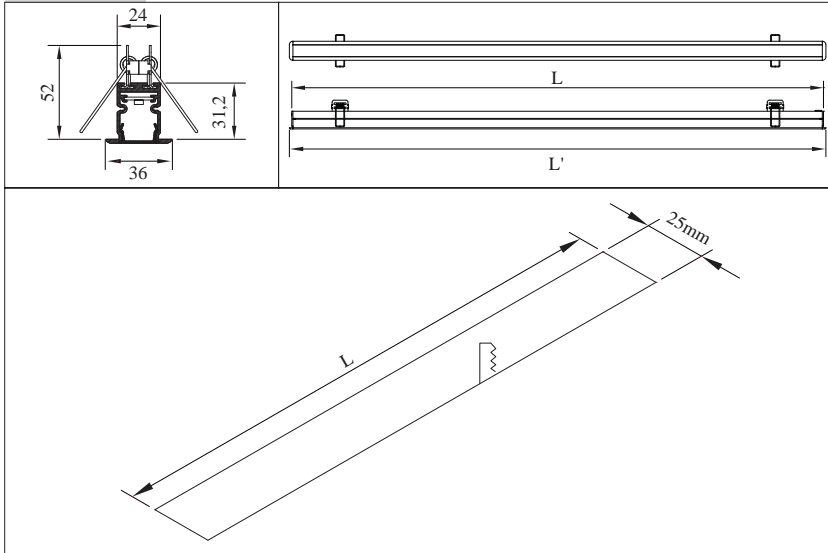
ERL25 Oval
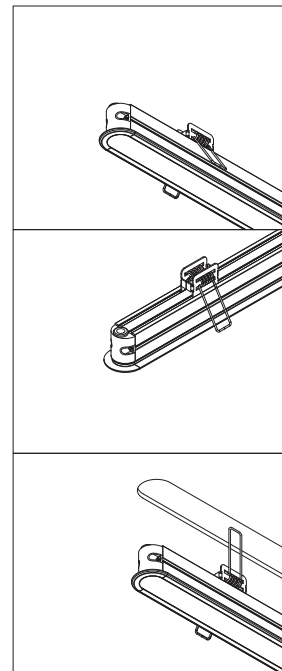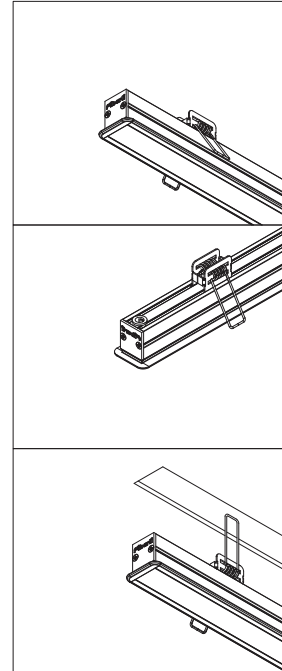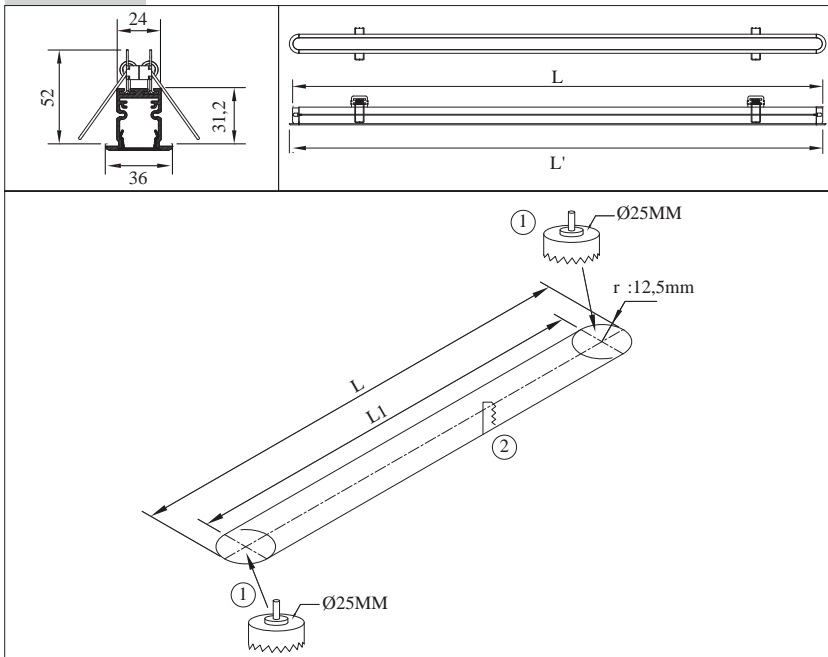
LEDLine G   LLG

Recessed luminaire

PRODUCT CODE EXPENSION

LLG-**P**-**C**-**R**

- **P** *PCB & LED*
- **C** *Işık rengi / Light Color*
- **R** *LEDLine yoğunluğu / LEDLine density*

LLG LUMINAIRE LED OPTIONS

P

Big TopLED Full Color

LLG BT30R:	*24V DC - 7,2W/m*
LLG BT45R:	*24V DC - 10,8W/m*
LLG BT60R:	*24V DC - 14,4W/m*

Big TopLED Full Color Pixel

LLG BTX30:	*24V DC - 8,4W/m - 5pixel/m*
LLG BTX45:	*24V DC - 12,6W/m - 7pixel/m*

Power TopLED

LLG PT30R:	*24V DC - 12W/m - 1.350Lm/m*
LLG PT45R:	*24V DC - 18W/m - 2.025Lm/m*
LLG PT60R:	*24V DC - 24W/m - 2.700Lm/m*
LLG PT90R:	*24V DC - 36W/m - 4.050Lm/m*

PowerLED

LLG P20SD:	*24V DC - 28W/m - 3.200Lm/m*
LLG PSD:	*24V DC - 1,25W/ad. - 160Lm/pcs*

APPLICATION AREAS

LEDLine G the luminaire recessedly mounted on plaster ceiling. These products provide a continuous lighting without the disclosure of the joints by attaching end-to-end. A product preferred by designers with its aesthetic structure.

ELECTROMECHANICAL SPECIFICATIONS   LLG-P-C-R

- Linear luminaire with 76mm width
- Anodized aluminium housing
- Polycarbonate luminair glass
- Metal side cover
- Can be produced in maximum 4-meter parts.

*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS   LLG-**P**-C-R

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 72W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS   LLG-P-**C**-R

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

LEDLine G

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLINE DENSITY OPTIONS   LLG-P-C-**R**

1, 2 or 3 rows of LEDLine can be placed within the luminaires according to the desired light power
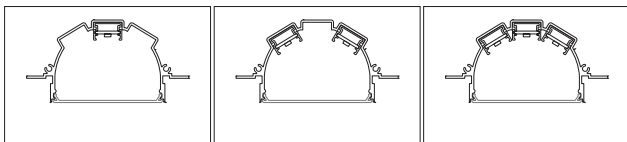
| R 1: *Single row LEDLine*	R 2: *Two rows LEDLine*	R 3: *Three rows LEDLine*

MOUNTING

Luminaire is mounted to slots with a 77 mm width opening, with a plasterboard screw.
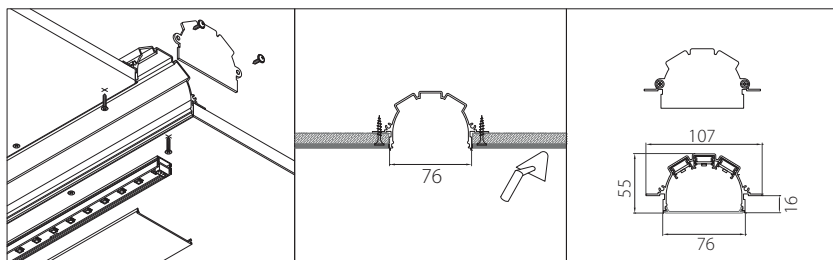
CONTROL SYSTEM OPTIONS

Control systems are selected from the external accessories table.

LEDLine (vertical side text)

LEDLine A | LLA
Pendant luminaire
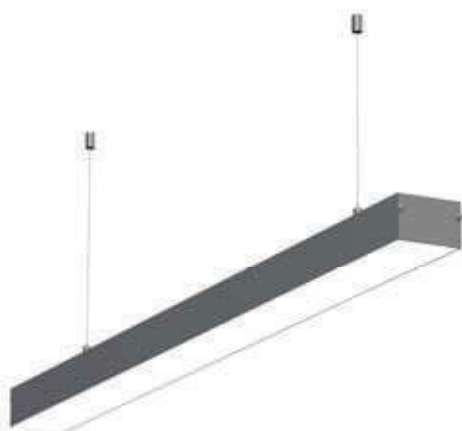
PRODUCT CODE EXPENSION

PCB & LED
Işık rengi / Light Color
Montaj / Mounting
LEDLine yoğunluğu / LEDLine density

LLA- P - C - M - R

LLA LUMINAIRE LED OPTIONS

P

Big TopLED Full Color

LLA BT30R:	*24V DC - 7,2W/m*
LLA BT45R:	*24V DC - 10,8W/m*
LLA BT60R:	*24V DC - 14,4W/m*

Big TopLED Full Color Pixel

LLA BTX30:	*24V DC - 8,4W/m - 5pixel/m*
LLA BTX45:	*24V DC - 12,6W/m - 7pixel/m*

Power TopLED

LLA PT30R:	*24V DC - 12W/m - 1.350Lm/m*
LLA PT45R:	*24V DC - 18W/m - 2.025Lm/m*
LLA PT60R:	*24V DC - 24W/m - 2.700Lm/m*
LLA PT90R:	*24V DC - 36W/m - 4.050Lm/m*

APPLICATION AREAS

LEDLine A, provides linear and continuous lighting with mounting options on ceiling surface or by suspending from ceiling.

ELECTROMECHANICAL SPECIFICATIONS   LLA-P-C-M-R

- Linear luminaire with 76mm width
- Anodized aluminium housing
- Polycarbonate luminair glass.
- Metal side cover
- Can be produced in maximum 4-meter parts.
- Designed to operate with 24V DC.
*All of the measurements for LEDLine product groups are in mm.
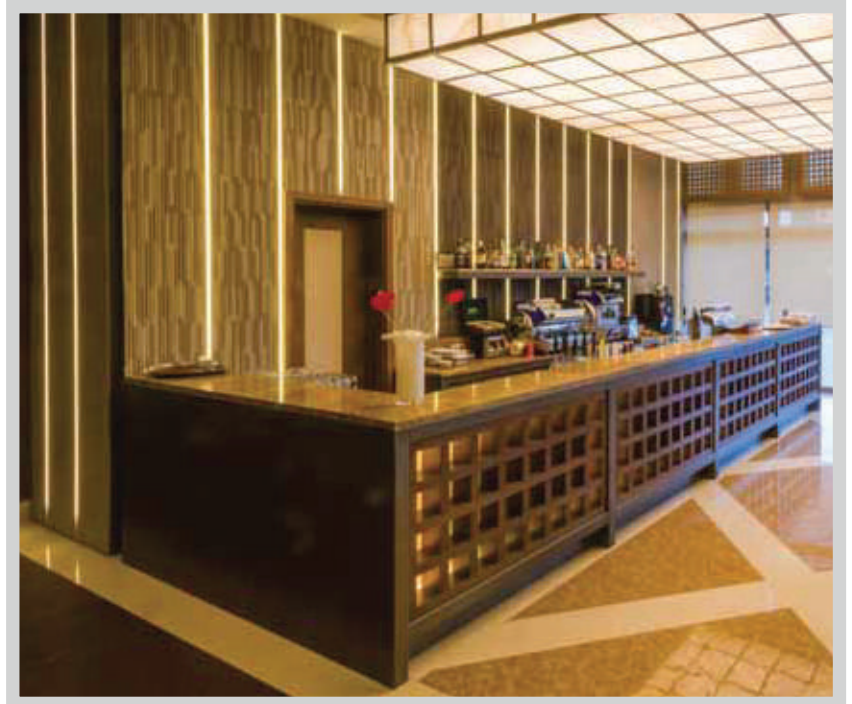
PCB & LED SPECIFICATIONS   LLA-**P**-C-M-R

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 72W/m.
(P.S. LEDLine LED Options)

LIGHT COLOUR OPTIONS   LLA-P-**C**-M-R

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

LEDLine A

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

MOUNTING OPTIONS   LLA-P-C-**M**-R

Luminaires can be mounted on the ceiling with hanging brackets or through flush mounting. The power supply of luminaires is external and placed behind the suspended ceiling.

M **1:** *Flush mounting*   **M** **2:** *Suspended mounting*

50mm
76mm
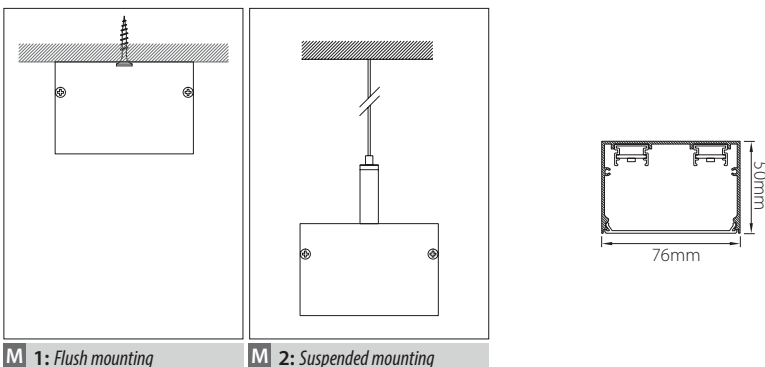
LEDLINE DENSITY OPTIONS   LLA-P-C-M-**R**

The density of LEDLine, used within the luminaires, are determied according to the desired light power.
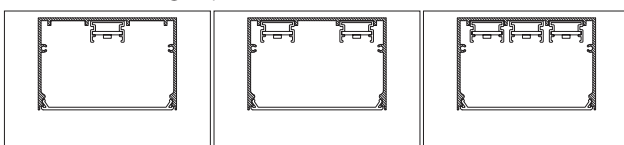
R **1:** *Single row LEDLine*   **R** **2:** *Two rows LEDLine*   **R** **3:** *Three rows LEDLine*

CONTROL SYSTEM OPTIONS

Control systems are selected from the external accessories table.

LEDLine A100   LLA100

Pendant luminaire
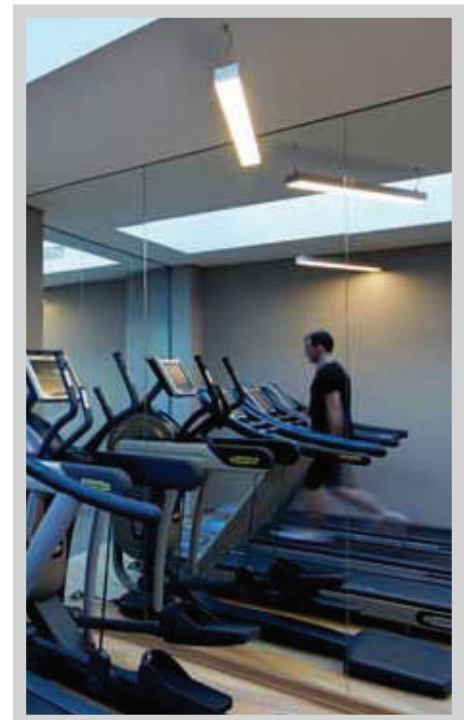
PRODUCT CODE EXPENSION

LLA100- P - C - M

PCB & LED
Işık rengi / Light Color
Montaj / Mounting

LLA100 LUMINAIRE LED OPTIONS

Big TopLED Full Color

LLA100 BT30:	*7,2W/m*
LLA100 BT30R:	*7,2W/m*
LLA100 BT45:	*10,8W/m*
LLA100 BT45R:	*10,8W/m*
LLA100 BT60:	*14,4W/m*
LLA100 BT60R:	*14,4W/m*

Big TopLED Full Color Pixel

LLA100 BTX30:	*8,4W/m - 5pixel/m*
LLA100 BTX45:	*12,6W/m - 7pixel/m*

Power TopLED

LLA100 PT30R:	*12W/m - 1.350Lm/m*
LLA100 PT45R:	*18W/m - 2.025Lm/m*
LLA100 PT60R:	*24W/m - 2.700Lm/m*
LLA100 PT90R:	*36W/m - 4.050Lm/m*

PowerLED

LLA100 P20SD:	*28W/m - 3.200Lm/m*
LLA100 PSD:	*1,25W/pcs. - 160Lm/pcs*

P

Protection Class: IP44

Lifetime: 50.000 hours

APPLICATION AREAS

LEDLine A100, provides linear and continuous lighting with mounting options on ceiling surface or by suspending from ceiling.

ELECTROMECHANICAL SPECIFICATIONS   LLA100-P-C-M

- Linear luminaire with 100mm width
- Anodized aluminium housing
- Polycarbonate luminair glass
- Metal side cover
- Can be produced in maximum 4-meter parts.
- Designed to operate with 24V DC.

140,5
100
100
100
2000
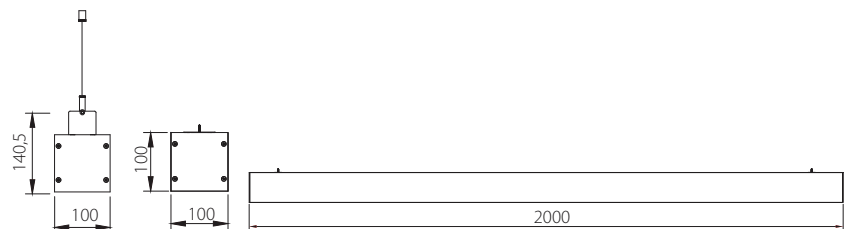
*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS   LLA100-**P**-C-M

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 72W/m.
(P.S. LEDLine LED Options)

LIGHT COLOUR OPTIONS   LLA100-P-**C**-M

C			C	
	CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
	F: *RGB*		**B:** *Blue - 465nm*	

LEDLine A100

MOUNTING OPTIONS

LLA100-P-C-**M**

Luminaires can be mounted on the ceiling with hanging brackets or through flush mounting. The power supply of luminaires is external and placed behind the suspended ceiling.
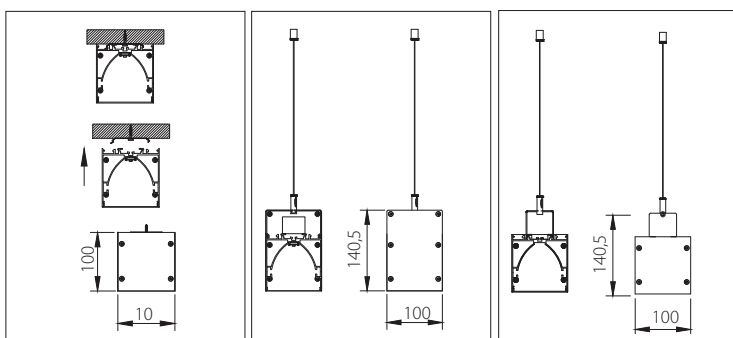
| **M** 1: *Flush mounting* | **M** 2: *Suspended mounting* | **M** 3: *Suspended mounting* |

CONTROL SYSTEM OPTIONS

Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLine MRA — LMRA

Factory luminaire

APPLICATION AREAS

LEDLine MRA, provides the ideal lighting solutions for supermarkets, corridors and shopping malls. These products can be used at desired length without the disclosure of the joints by attaching end-to-end.

ELECTROMECHANICAL SPECIFICATIONS — LMRA-P-C

- Linear luminaire with 140mm width
- Anodized aluminium housing
- Polycarbonate luminair glass.
- Polycarbonate side cover
- Can be produced in maximum 4-meter parts.
- Designed to operate with 24V DC.
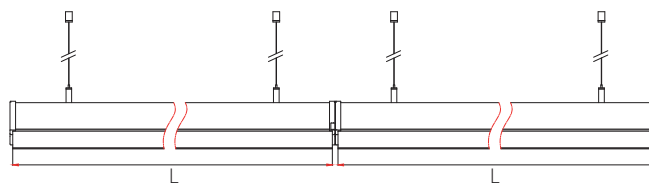
LMR60: L=60cm
LMR80: L=80cm
LMR120: L=120cm
LMR150: L=150cm
LMR160: L=160cm
LMR240: L=240cm
LMR320: L=320cm
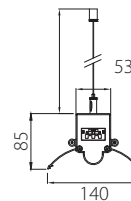
53
85
140

*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS — LMRA-**P**-C

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 36W/m.
(P.S. LEDLine LED Options)

LIGHT COLOUR OPTIONS — LMRA-P-**C**

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

PRODUCT CODE EXPENSION

PCB & LED
Işık rengi / Light Color

LMRA - **P** - **C**

LMRA LUMINAIRE LED OPTIONS

P	
LMRA80 PT60: *48LEDs-23W-1.584Lm*
LMRA80 PT90: *72LEDs-34W-2.376Lm*
LMRA120 PT60: *72LEDs-34W-2.376Lm*
LMRA120 PT90: *108LEDs-50W-3.564Lm*
LMRA160 PT60: *96LEDs-45W-3.168Lm*
LMRA160 PT90: *144LEDs-67W-4.752Lm*
LMRA240 PT60: *144LEDs-67W-4.752Lm*
LMRA240 PT90: *216LEDs-100W-7.128Lm*
LMRA320 PT60: *192LEDs-89W-6.336Lm*
LMRA320 PT90: *288LEDs-133W-9.504Lm*

Protection Class: IP44
Lifetime: 50.000 hours

LEDLine MRA
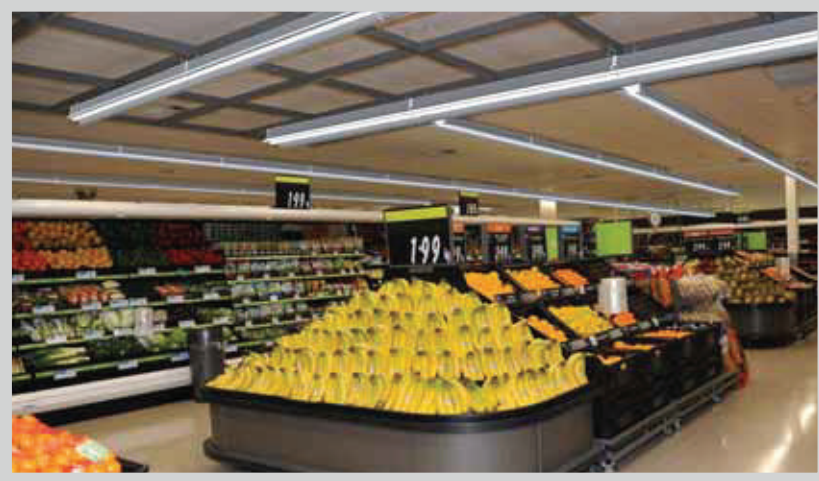
MOUNTING

Easily mounted to ceiling or suspended ceiling with sliding hanging bracket.

Can provide an esthetical illumination in desired length with mounting in tandem by custom design.
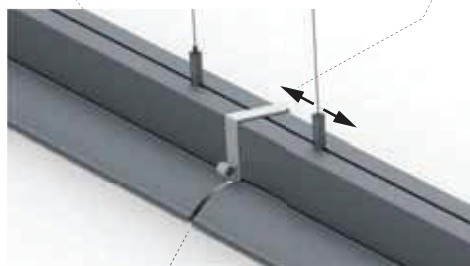
Luminaires are illuminate continuously the long aisles with closing the space
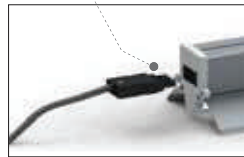
CONTROL SYSTEM OPTIONS

The power supplies of these luminaires are internal. Power supplies are used externally, in cases where control system is used. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*
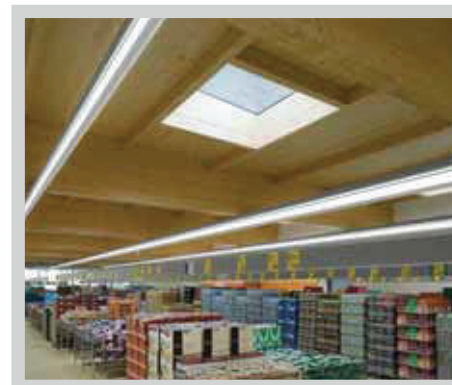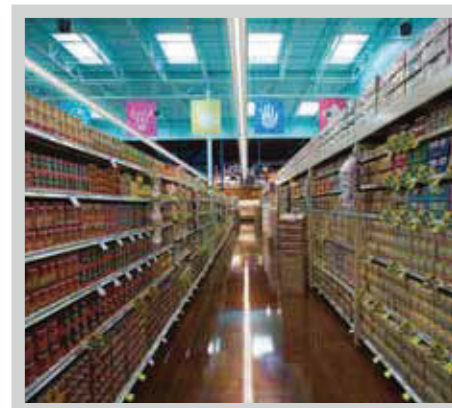
LEDLine Luminaires

LEDLine W1   LLW1

Endless linear

PRODUCT CODE EXPENSION

LLW1- **P** - **C** - **J** - **I** - **M**

PCB & LED
Işık rengi / Light **C**olor
Jack / connector/soket
IP koruma sınıfı / IP class
Montaj / Mounting

LLW1 LUMINAIRE LED OPTIONS

TopLED

LLW1 T30:	24V DC - 2,4W/m - 240Lm/m
LLW1 T60:	24V DC - 4,8W/m - 480Lm/m
LLW1 T90:	24V DC - 7,2W/m - 720Lm/m
LLW1 T180:	24V DC - 14,4W/m - 1.440Lm/m

Big TopLED Mono Color

LLW1 BT30R:	24V DC - 7,2W/m - 720Lm/m
LLW1 BT45R:	24V DC - 10,8W/m - 1.080Lm/m
LLW1 BT60R:	24V DC - 14,4W/m - 1.440Lm/m

Big TopLED Full Color

LLW1 BT30R:	24V DC - 7,2W/m
LLW1 BT45R:	24V DC - 10,8W/m
LLW1 BT60R:	24V DC - 14,4W/m

Big TopLED Full Color Pixel

LLW1 BTX30:	24V DC - 8,4W/m - 5pixel/m
LLW1 BTX45:	24V DC - 13,3W/m - 7pixel/m

Power TopLED

LLW1 PT15R:	24V DC - 6W/m - 675Lm/m
LLW1 PT30R:	24V DC - 12W/m - 1.350Lm/m
LLW1 PT45R:	24V DC - 18W/m - 2.025Lm/m
LLW1 PT60R:	24V DC - 24W/m - 2.700Lm/m
LLW1 PT90R:	24V DC - 36W/m - 4.050Lm/m

P

APPLICATION AREAS

LEDLine W1, provides a linear and continuous appearance on facades. Employs easy implementation on also aluminium, glass, marble, etc. facade cladding.

ELECTROMECHANICAL SPECIFICATIONS   **LLW1**-P-C-J-I-M

- Anodized aluminium housing
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- Can be produced in maximum 4-meter parts.
- Polycarbonate top covered.
- Designed to operate with 24V DC.

BODY SPECIFICATIONS

Utilised for implementations, where the External Driver is located within the panel.
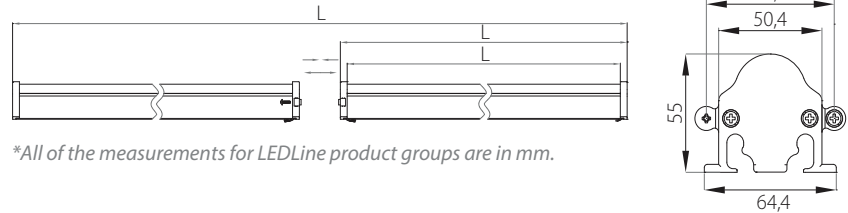
All of the measurements for LEDLine product groups are in mm.

62,4
50,4
55
64,4

PCB & LED SPECIFICATIONS   LLW1-**P**-C-J-I-M

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 36W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS   LLW1-P-**C**-J-I-M

C		**C**	
CW:	Cold White - 4.700K-9.500K	**R:**	Red - 625nm
NW:	Natural White - 3.700K-4.700K	**A:**	Amber - 590nm
WW:	Warm White - 2.700K-3.700K	**G:**	Green - 525nm
F:	RGB	**B:**	Blue - 465nm

SOCKET OPTIONS   LLW1-P-C-**J**-I-M

Luminaire has cabled and socket options.

Cable
IP Socket Cable

J	**K:** Cable
	I: IP Socket Cable

Protection Class: IP44 / IP66

Lifetime: 50.000 hours

LEDLine W1

IP PROTECTION CLASS   LLW1-P-C-J-**I**-M

I	**44:** *Cover-IP44*
	66D: *Polymer cover-IP66*

MOUNTING OPTIONS   LLW1-P-C-J-I-**M**
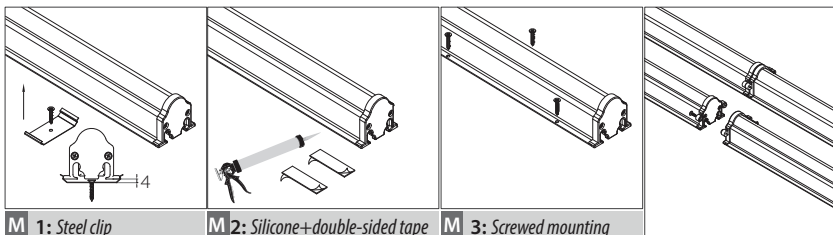
M **1:** *Steel clip*	**M** **2:** *Silicone+double-sided tape*	**M** **3:** *Screwed mounting*

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*
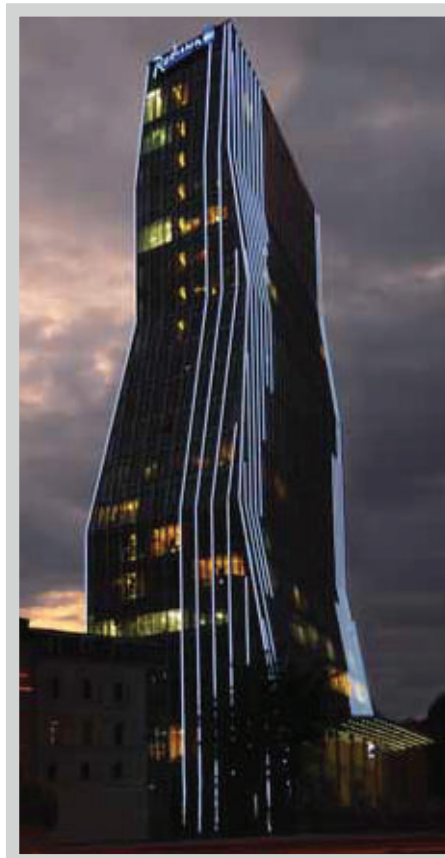
LEDLine Luminaires
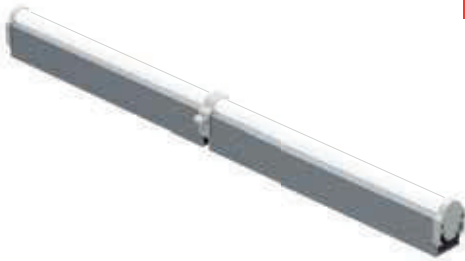
LEDLine W2 — LLW2

Endless linear

APPLICATION AREAS

LEDLine W2, provides a linear and continuous appearance on facades. Employs easy implementation on also aluminium, glass, marble, etc. facade cladding.

ELECTROMECHANICAL SPECIFICATIONS — **LLW2**-P-C-J-I-M

- Anodized aluminium housing
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- Can be produced in maximum 4-meter parts.
- Polycarbonate top covered.
- Designed to operate with 24V DC.

BODY SPECIFICATIONS

Utilised for implementations up to 35Watt, where the Driver is located within the luminaire.
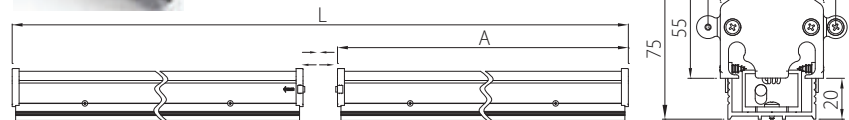
*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS — LLW2-**P**-C-J-I-M

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 36W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS — LLW2-P-**C**-J-I-M

C		C	
CW: Cold White - 4.700K-9.500K		**R:** Red - 625nm	
NW: Natural White - 3.700K-4.700K		**A:** Amber - 590nm	
WW: Warm White - 2.700K-3.700K		**G:** Green - 525nm	
F: RGB		**B:** Blue - 465nm	

SOCKET OPTIONS — LLW2-P-C-**J**-I-M

Luminaire has cabled and socket options.

J	
K: Cable	
I: IP Socket Cable	

PRODUCT CODE EXPENSION

LLW2 - **P** - **C** - **J** - **I** - **M**

- *PCB & LED*
- *Işık rengi / Light Color*
- *Jack / connector/soket*
- *IP koruma sınıfı / IP class*
- *Montaj / Mounting*

LLW2 LUMINAIRE LED OPTIONS

TopLED

LLW2 T30:	24V DC - 2,4W/m - 240Lm/m
LLW2 T60:	24V DC - 4,8W/m - 480Lm/m
LLW2 T90:	24V DC - 7,2W/m - 720Lm/m
LLW2 T180:	24V DC - 14,4W/m - 1.440Lm/m

Big TopLED Mono Color

LLW2 BT30R:	24V DC - 7,2W/m - 720Lm/m
LLW2 BT45R:	24V DC - 10,8W/m - 1.080Lm/m
LLW2 BT60R:	24V DC - 14,4W/m - 1.440Lm/m

Big TopLED Full Color

LLW2 BT30R:	24V DC - 7,2W/m
LLW2 BT45R:	24V DC - 10,8W/m
LLW2 BT60R:	24V DC - 14,4W/m

Big TopLED Full Color Pixel

LLW2 BTX30:	24V DC - 8,4W/m - 5pixel/m
LLW2 BTX45:	24V DC - 13,3W/m - 7pixel/m

Power TopLED

LLW2 PT15R:	24V DC - 6W/m - 675Lm/m
LLW2 PT30R:	24V DC - 12W/m - 1.350Lm/m
LLW2 PT45R:	24V DC - 18W/m - 2.025Lm/m
LLW2 PT60R:	24V DC - 24W/m - 2.700Lm/m
LLW2 PT90R:	24V DC - 36W/m - 4.050Lm/m

P

Protection Class: IP44 / IP66

Lifetime: 50.000 hours

LEDLine W2

IP PROTECTION CLASS

LLW2-P-C-J-**I**-M

I	**44:** Cover-IP44
	66: Polymer cover-IP66

MOUNTING OPTIONS

LLW2-P-C-J-I-**M**
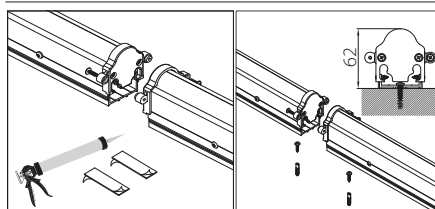
M	**2:** Silicone+double-sided tape	M	**3:** Screwed mounting

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - RF Remote Control
PWM - PWM Control
DMX1 - DMX Control, 1 adress
DALI - DALI Control
0-10V DC - Analog 0-10V DC Control
TRC - TRIAC Control

COLOR CONTROL OPTIONS
UKR - RF Remote Control
PWM - PWM Control
DMX - DMX Control, 1 adress
DMX - DMX Control, 3-4 adress

LEDLine Bold 33 — LLB33

Linear luminaire

APPLICATION AREAS

LEDLine B33, provides a linear and continuous appearance on facades. Employs easy implementation on also aluminium, glass, marble, etc. facade cladding.

ELECTROMECHANICAL SPECIFICATIONS LLB33-P-C-J-I-M

- Anodized aluminium housing
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- Can be produced in maximum 4-meter parts.
- Polycarbonate top covered.
- Designed to operate with 24V DC.

33mm / 45mm

*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS LLB33-P-C-J-I-M

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 36W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS LLB33-P-C-J-I-M

C		C	
CW: Cold White - 4.700K-9.500K		R: Red - 625nm	
NW: Natural White - 3.700K-4.700K		A: Amber - 590nm	
WW: Warm White - 2.700K-3.700K		G: Green - 525nm	
F: RGB		B: Blue - 465nm	

PRODUCT CODE EXPENSION

LLB33-P-C-J-I-M

- P: PCB & LED
- C: Işık rengi / Light Color
- J: Jack / connector/soket
- I: IP koruma sınıfı / IP class
- M: Montaj / Mounting

LLB33 LUMINAIRE LED OPTIONS

TopLED
LLB33 T30:	24V DC - 2,4W/m - 240Lm/m
LLB33 T60:	24V DC - 4,8W/m - 480Lm/m
LLB33 T90:	24V DC - 7,2W/m - 720Lm/m
LLB33 T180:	24V DC - 14,4W/m - 1.440Lm/m

Big TopLED Mono Color
LLB33 BT30:	24V DC - 7,2W/m - 720Lm/m
LLB33 BT30R:	24V DC - 7,2W/m - 720Lm/m
LLB33 BT45:	24V DC - 10,8W/m - 1.080Lm/m
LLB33 BT45R:	24V DC - 10,8W/m - 1.080Lm/m
LLB33 BT60:	24V DC - 14,4W/m - 1.440Lm/m
LLB33 BT60R:	24V DC - 14,4W/m - 1.440Lm/m

Big TopLED Full Color
LLB33 BT30:	24V DC - 7,2W/m
LLB33 BT30R:	24V DC - 7,2W/m
LLB33 BT45:	24V DC - 10,8W/m
LLB33 BT45R:	24V DC - 10,8W/m
LLB33 BT60:	24V DC - 14,4W/m
LLB33 BT60R:	24V DC - 14,4W/m

Big TopLED Full Color Pixel
LLB33 BTX30:	24V DC - 8,4W/m - 5pixel/m
LLB33 BTX45:	24V DC - 13,3W/m - 7pixel/m

Power TopLED
LLB33 PT15R:	24V DC - 6W/m - 675Lm/m
LLB33 PT30R:	24V DC - 12W/m - 1.350Lm/m
LLB33 PT45R:	24V DC - 18W/m - 2.025Lm/m
LLB33 PT60R:	24V DC - 24W/m - 2.700Lm/m
LLB33 PT90R:	24V DC - 36W/m - 4.050Lm/m

Protection Class: IP44 / IP66
Lifetime: 50.000 hours

LEDLine B33

SOCKET OPTIONS   LLB33-P-C-**J**-I-M

Luminaire has cabled and socket options.

• Cable   •IP Socket Cable

| **J** | **K**: *Cable* |
| | **I**: *IP Socket Cable* |

IP PROTECTION CLASS   LLB33-P-C-J-**I**-M

| **I** | **44**: *Cover-IP44* |
| | **66**: *Polymer cover-IP66* |

MOUNTING OPTIONS   LLB33-P-C-J-I-**M**

| **M** **1**: *Silicone+double-sided tape* | **M** **2**: *Screwed mounting* |

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLine E   LLE

Étanche luminaire

PRODUCT CODE EXPENSION

PCB & LED
Işık rengi / Light Color
IP koruma sınıfı / IP class
Montaj / Mounting

LLE-P-C-I-M

LLE LUMINAIRE LED OPTIONS

P	
LLE80 PT45: *36LEDs-15W-1188Lm*	
LLE80 PT60: *48LEDs-20W-1584Lm*	
LLE80 PT90: *72LEDs-30W-2376Lm*	
LLE120 PT45: *54LEDs-23W-1782Lm*	
LLE120 PT60: *72LEDs-30W-2376Lm*	
LLE120 PT90: *108LEDs-45W-3564Lm*	
LLE160 PT45: *72LEDs-30W-2376Lm*	
LLE160 PT60: *96LEDs-40W-3168Lm*	
LLE160 PT90: *144LEDs-60W-4752Lm*	

APPLICATION AREAS

LEDLine E, is used as étanche luminaire in high humidity environments such as garages, coal cellars and bunkers. In addition to its long lifetime, also provides high energy conservation.

ELECTROMECHANICAL SPECIFICATIONS   **LLE**-P-C-I-M

- Anodized aluminium housing
- Polycarbonate luminair glass.
- Plastic side cover
- Designed to operate with 220V AC
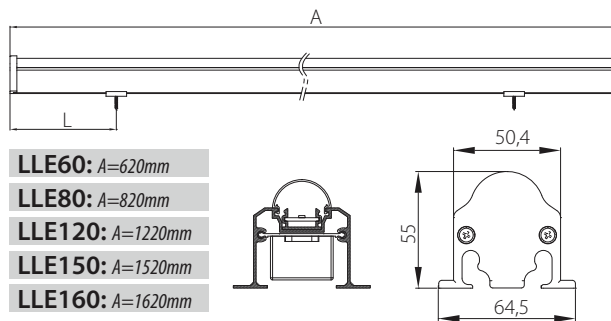
LLE60: *A=620mm*	
LLE80: *A=820mm*	
LLE120: *A=1220mm*	
LLE150: *A=1520mm*	
LLE160: *A=1620mm*	

50,4
55
64,5

All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS   LLE-**P**-C-I-M

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 36W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS   LLE-P-**C**-I-M

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

IP PROTECTION CLASS   LLE-P-C-**I**-M

I		I	
44S: *Transparent cover-IP44*		**66S:** *Pol. & Transparent cover-IP66*	
44D: *Diffused Cover-IP44*		**66D:** *Pol. & Diffused Cover-IP66*	
		66: *Polymer & Coverless-IP66*	

Protection Class: IP44 / IP66
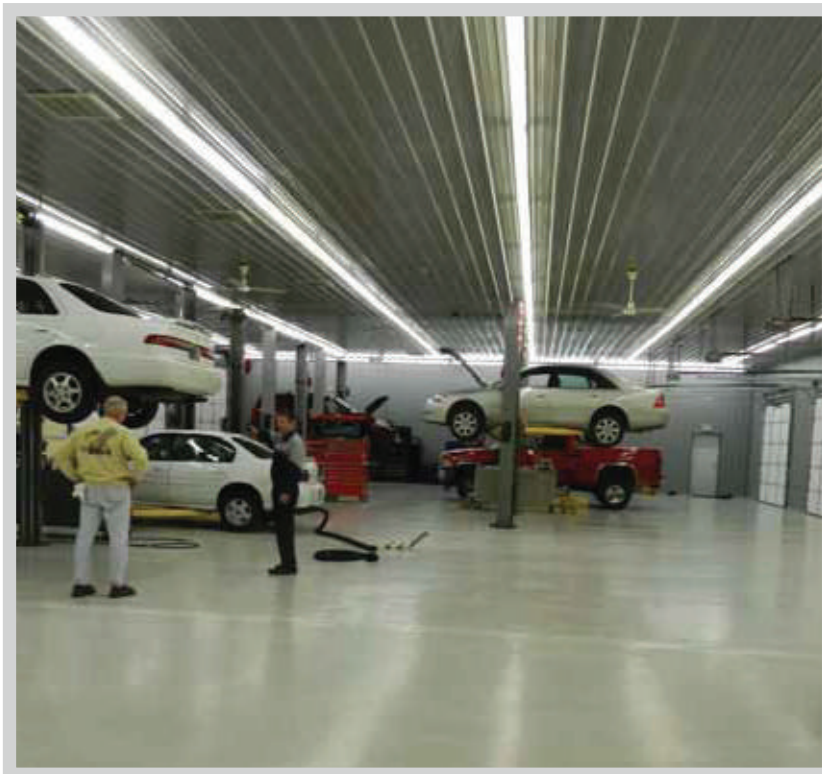
Lifetime: 50.000 hours

LEDLine E

MOUNTING OPTIONS

LLE-P-C-I-**M**
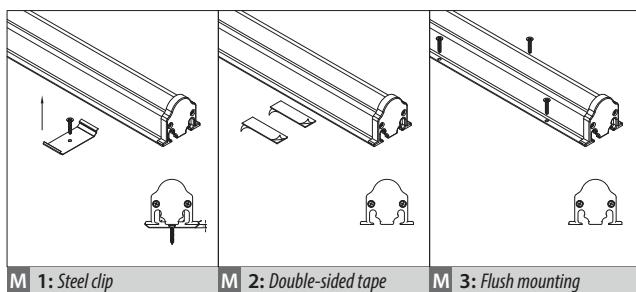
M 1: *Steel clip*	**M** 2: *Double-sided tape*	**M** 3: *Flush mounting*

CONTROL SYSTEM OPTIONS

The power supplies of these luminaires are internal. Power supplies are used externally, in cases where control system is used. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

LEDLine U — LLU
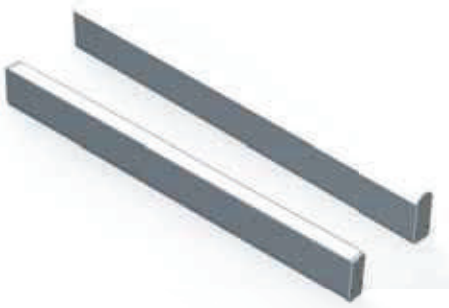
Linear luminaire

PRODUCT CODE EXPENSION

LLU-**P**-**C**-**J**-**I**-M

- **P**: PCB & LED
- **C**: Işık rengi / Light **Color**
- **J**: Jack / connector/soket
- **I**: IP koruma sınıfı / IP class
- **M**: Montaj / Mounting

LLU LUMINAIRE LED OPTIONS

TopLED

LLU-T30:	*24V DC - 2,4W/m - 240Lm/m*
LLU-T60:	*24V DC - 4,8W/m - 480Lm/m*
LLU-T90:	*24V DC - 7,2W/m - 720Lm/m*
LLU-T180:	*24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Mono Color

LLU-BT10:	*24V DC - 2,4W/m - 240Lm/m*
LLU-BT15:	*24V DC - 3,6W/m - 360Lm/m*
LLU-BT20:	*24V DC - 4,8W/m - 480Lm/m*
LLU-BT30:	*24V DC - 7,2W/m - 720Lm/m*
LLU-BT30R:	*24V DC - 7,2W/m - 720Lm/m*
LLU-BT45:	*24V DC - 10,8W/m - 1.080Lm/m*
LLU-BT45R:	*24V DC - 10,8W/m - 1.080Lm/m*
LLU-BT60:	*24V DC - 14,4W/m - 1.440Lm/m*
LLU-BT60R:	*24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Full Color

LLU-BT30:	*24V DC - 7,2W/m*
LLU-BT30R:	*24V DC - 7,2W/m*
LLU-BT45:	*24V DC - 10,8W/m*
LLU-BT45R:	*24V DC - 10,8W/m*
LLU-BT60:	*24V DC - 14,4W/m*
LLU-BT60R:	*24V DC - 14,4W/m*

Big TopLED Full Color Pixel

LLU-BTX30:	*24V DC - 8,4W/m - 5 pixel/m*
LLU-BTX45:	*24V DC - 12,6W/m - 7pixel/m*

Power TopLED

LLU-PT15R:	*24V DC - 6W/m - 675Lm/m*
LLU-PT30R:	*24V DC - 12W/m - 1.350Lm/m*
LLU-PT45R:	*24V DC - 18W/m - 2.025Lm/m*

Protection Class: IP20 / IP44 / IP66

Lifetime: 50.000 hours

APPLICATION AREAS

LEDLine U, designed to be used in linear lighting and small scale wall lighting.

ELECTROMECHANICAL SPECIFICATIONS — **LLU**-P-C-J-I-M

- Anodized aluminium housing
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- As standard, PVC side covered. Produced without top cover in IP20 protection class.
- Can be promoted to IP44 protection class by adding polycarbonate luminaire glass.
- Can be used in wet environment applications through promoting to IP66 protection class with polymer coating.
- Designed to operate with 24V DC.

All of the measurements for LEDLine product groups are in mm.
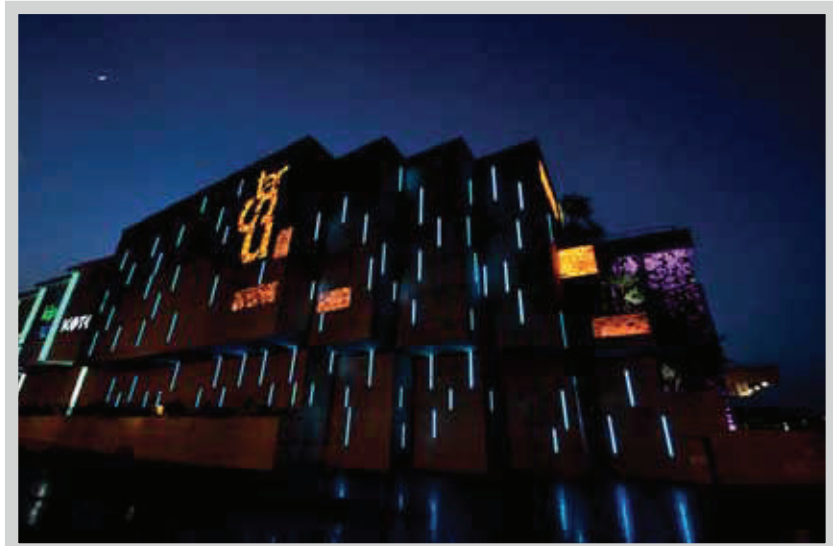
PCB & LED SPECIFICATIONS — LLU-**P**-C-J-I-M

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 18W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS — LLU-P-**C**-J-I-M

C		C	
CW:	*Cold White - 4.700K-9.500K*	**R:**	*Red - 625nm*
NW:	*Natural White - 3.700K-4.700K*	**A:**	*Amber - 590nm*
WW:	*Warm White - 2.700K-3.700K*	**G:**	*Green - 525nm*
F:	*RGB*	**B:**	*Blue - 465nm*
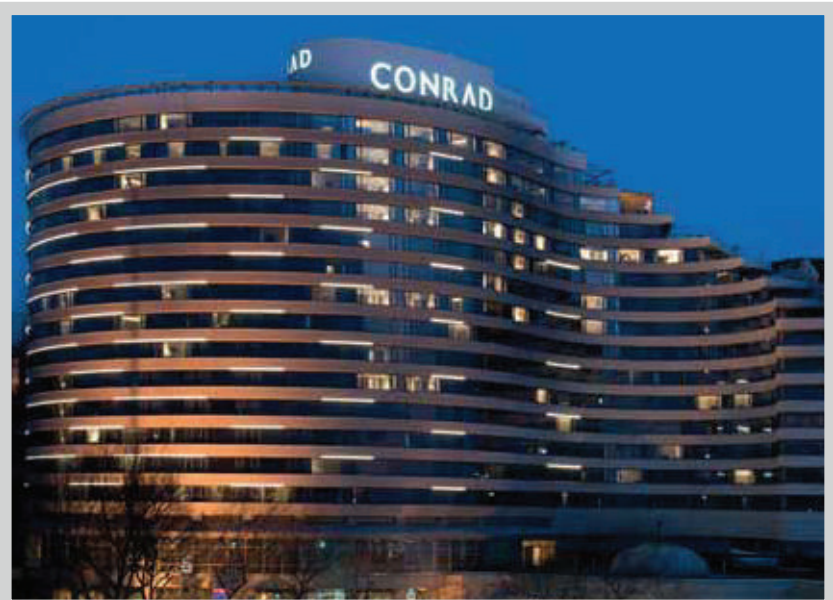
LEDLine U

SOCKET OPTIONS   LLU-P-C-**J**-I-M

Luminaire has cabled and socket options.

Cable

IP Socket Cable

J	**K**: *Cable*
	I: *IP Socket Cable*

IP PROTECTION CLASS   LLU-P-C-J-**I**-M

Curved (IP44)

Cover (IP44)
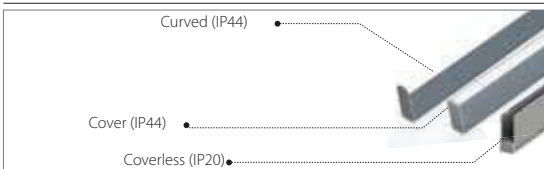
Coverless (IP20)

I	**44B:** *Curved-IP44*	**I**	**66B:** *Pol. & curved-IP66*
	44D: *Cover-IP44*		**66D:** *Pol. & cover-IP66*
	20: *Coverless-IP20*		**66:** *Pol. & coverless-IP66*

MOUNTING OPTIONS   LLU-P-C-J-I-**M**
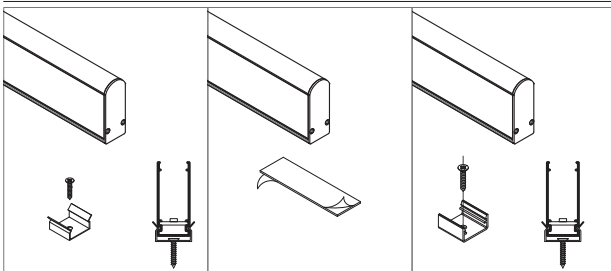
M **1:** *Steel clip*	**M** **2:** *Double-sided tape*	**M** **3:** *Aluminum clip*

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

PRODUCT CODE EXPENSION

LLI - P - C - I - J

PCB & LED
Işık rengi / Light Color
IP koruma sınıfı / IP class
Jack / Connector/soket

LLI LUMINAIRE LED OPTIONS

TopLED

LLI T30:	*24V DC - 2,4W/m - 240Lm/m*
LLI T60:	*24V DC - 4,8W/m - 480Lm/m*
LLI T90:	*24V DC - 7,2W/m - 720Lm/m*
LLI T180:	*24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Mono Color

LLI BT30R:	*24V DC - 7,2W/m - 720Lm/m*
LLI BT45R:	*24V DC - 10,8W/m - 1.080Lm/m*
LLI BT60R:	*24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Full Color

LLI BT30R:	*24V DC - 7,2W/m*
LLI BT45R:	*24V DC - 10,8W/m*
LLI BT60R:	*24V DC - 14,4W/m*

P

Big TopLED Full Color Pixel

LLI BTX30:	*24V DC - 8,4W/m - 5pixel/m*
LLI BTX45:	*24V DC - 12,6W/m - 7 pixel/m*

Power TopLED

LLI PT15R:	*24V DC - 6W/m - 675Lm/m*
LLI PT30R:	*24V DC - 12W/m - 1.350Lm/m*
LLI PT45R:	*24V DC - 18W/m - 2.025Lm/m*
LLI PT60R:	*24V DC - 24W/m - 2.700Lm/m*

LEDCell

LLI Cell20:	*5V DC -20pixel/m*
LLI Cell30:	*5V DC - 30pixel/m*

Protection Class: IP40 / IP66

Lifetime: 50.000 hours

LEDLine I   LLI

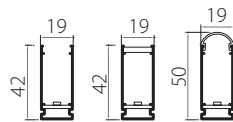### *Linear luminaire*

APPLICATION AREAS

LEDLine I, designed to be used in linear lighting and small scale wall lighting.

ELECTROMECHANICAL SPECIFICATIONS   **LLI**-P-C-I-J

- Anodized aluminium housing
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- In IP20 standard and non inclusive of cover and polymer options.
- As standard, PVC side covered. Produced without top cover in IP20 protection class.
- Can be promoted to IP44 protection class by adding polycarbonate luminaire glass.
- Can be used in wet environment applications through promoting to IP66 protection class with polymer coating.
- Can be produced in maximum 4-meter parts.
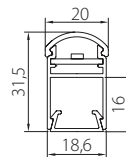
*All of the measurements for LEDLine product groups are in mm.

PCB AND LED OPTIONS   LLI-**P**-C-I-J

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 24W/m.
(P.S. LEDLine LED Options)

LIGHT COLOUR OPTIONS   LLI-P-**C**-I-J

C			**C**	
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*
	F: *RGB*			**B:** *Blue - 465nm*

LEDLine Luminaires

LEDLine I

IP PROTECTION CLASS
LLI-P-C-**I**-J

I **0:** Coverless-IP20	**I** **44S:** Transparent cover-IP40	**I** **66S:** Polycarbonate & transparent cover-IP66
	44D: Diffused cover-IP40	**66D:** Polycarbonate & diffused cover-IP66
		66: Polycarbonate & coverless-IP66
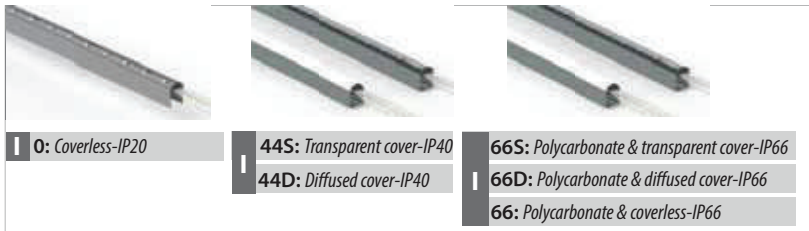
P.S: The use of polymer not only upgrades the IP class of products but also increases the color temperature of LEDs to a degree.

SOCKET OPTIONS

LLI-P-C-I-**J**

LLI luminaire, depending on its intended use, has cabled or IP66 socket options for outdoors; horizontal or vertical socket options for indoors.

J **O:** Cable	**J** **I:** IP66 socket cable
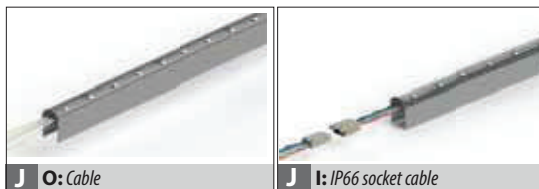
EXTERNAL PIXEL CONTROL ACCESSORIES

DMX POWER CONNECTOR OPTION

E1: Type 1	**E2:** Type 2	**E3:** Type 3	**E4:** Type 4
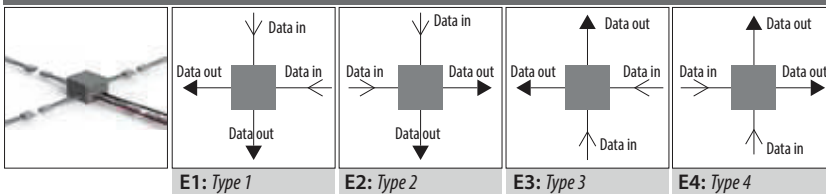
DMX POWER CONNECTOR BOX OPTION

M1: Middle control	**M2:** Side control	**M3:** Corner control

Note: Only using LEDCell product

MOUNTING

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX1 - *DMX Control, 1 adress*

DALI - *DALI Control*

0-10V DC - *Analog 0-10V DC Control*

TRC - *TRIAC Control*

COLOR CONTROL OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX - *DMX Control, 1 adress*

DMX - *DMX Control, 3-4 adress*

Fiberli — *Contemporary illuminating technics...*

LEDLine KS | LLKS

Linear luminaire

PRODUCT CODE EXPENSION

PCB & LED
Işık rengi / Light Color
Jack / connector/soket
IP koruma sınıfı / IP class
Montaj / Mounting

LLKS- **P** - **C** - **J** - **I** - M

LLKS LUMINAIRE LED OPTIONS

TopLED
LLKS-T60: *24V DC - 4,8W/m - 480Lm/m*
LLKS-T90: *24V DC - 7,2W/m - 720Lm/m*
LLKS-T180: *24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Mono Color
LLKS-BT45: *24V DC - 10,8W/m - 1.080Lm/m*
LLKS-BT45R: *24V DC - 10,8W/m - 1.080Lm/m*
LLKS-BT60: *24V DC - 14,4W/m - 1.440Lm/m*
LLKS-BT60R: *24V DC - 14,4W/m - 1.440Lm/m*

Big TopLED Full Color
P
LLKS-BT45: *24V DC - 10,8W/m*
LLKS-BT45R: *24V DC - 10,8W/m*
LLKS-BT60: *24V DC - 14,4W/m*
LLKS-BT60R: *24V DC - 14,4W/m*

Big TopLED Full Color Pixel
LLKS-BTX30: *24V DC - 8,4W/m - 5pixel/m*
LLKS-BTX45: *24V DC - 12,6W/m - 7 pixel/m*

Power TopLED
**LLKS-PT45R:** *24V DC - 18W/m - 2.025Lm/m*

APPLICATION AREAS

LEDLine KS, designed to be used in linear lighting and small scale wall lighting.

ELECTROMECHANICAL SPECIFICATIONS   **LLKS**-P-C-J-I-M

- Anodized aluminium housing
- PVC side cover
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- Can be promoted to IP44 protection class by adding polycarbonate luminaire glass.
- Can be used in wet environment applications through promoting to IP66 protection class with polymer coating.

*All of the measurements for LEDLine product groups are in mm.
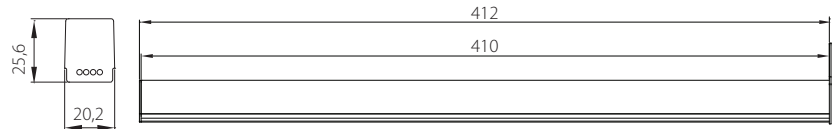
PCB AND LED OPTIONS   LLKS-**P**-C-J-I-M

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 24W/m.
(P.S. LEDLine LED Options)

LIGHT COLOUR OPTIONS   LLKS-P-**C**-J-I-M

C		**C**	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

SOCKET OPTIONS   LLKS-P-C-**J**-I-M

Luminaire has cabled and socket options.

J	**K**: *Cable*
	I: *IP Socket Cable*
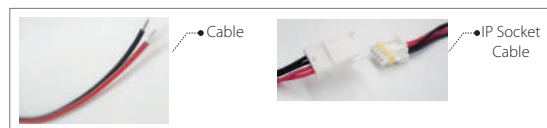
IP PROTECTION CLASS   LLKS-P-C-J-**I**-M

| **I**	**44D:** *Diffused Cover-IP44*
	66D: *Pol. & Diffused Cover-IP66*

The use of polymer not only upgrades the IP class of products but also increases the color temperature of LEDs to a degree.

Protection Class: IP44 / IP66

Lifetime: 50.000 hours

LEDLine KS

MOUNTING OPTIONS

LLKS-P-C-J-I-**M**

| **M** 1: *Steel clip* | **M** 2: *Double-sided tape* | **M** 3: *Aluminum clip* | **M** 4: *Aluminum clip (tall)* |

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLine H   LLH

Linear luminaire

PRODUCT CODE EXPENSION

PCB & LED

Işık rengi / Light Color

LLH- P - C

LLH LUMINAIRE LED OPTIONS

P

LLH40-T90:	*24V DC - 2,9W - 252Lm*
LLH40-BT30:	*24V DC - 2,9W*
LLH40-BT60:	*24V DC - 5,8W*
LLH40-BTX30:	*24V DC - 4,1W - 5 Pixel/m*
LLH40-BTX60:	*24V DC - 7W - 7 Pixel/m*
LLH80-T90:	*24V DC - 5,8W - 504Lm*
LLH80-BT30:	*24V DC - 5,8W*
LLH80-BTX30:	*24V DC - 6,8W - 5 Pixel/m*
LLH80-BT60:	*24V DC - 11,6W*
LLH80-BTX60:	*24V DC - 12,8W - 7 Pixel/m*
LLH120-T90:	*24V DC - 8,7W - 756Lm*
LLH120-BT30:	*24V DC - 8,9W*
LLH120-BT60:	*24V DC - 17,3W*
LLH120-BTX30:	*24V DC - 10W - 5 Pixel/m*
LLH120-BTX60:	*24V DC - 18,5W - 7 Pixel/m*
LLH160-T90:	*24V DC - 11,8W - 1008Lm*
LLH160-BT30:	*24V DC - 11,5W*
LLH160-BT60:	*24V DC - 23,1W*
LLH160-BTX30:	*24V DC - 13,5W - 5 Pixel/m*
LLH160-BTX60:	*24V DC - 24,3W - 7 Pixel/m*
LLH200-T90:	*24V DC - 14,4W - 1260Lm*
LLH200-BT30:	*24V DC - 14,4W*
LLH200-BT60:	*24V DC - 28,8W*
LLH200-BTX30:	*24V DC - 16,8W - 5 Pixel/m*
LLH200-BTX60:	*24V DC - 30W - 7 Pixel/m*

APPLICATION AREAS

LEDLine H, provides a linear and continuous appearance on facades. Employs easy implementation on also aluminium, glass, marble, etc. facade cladding. Power and data input-output of luminaire is enabled via sockets.

ELECTROMECHANICAL SPECIFICATIONS   **LLH**-P-C

- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- Anodized aluminium housing
- Polycarbonate luminaire glass
- Metal side cover
- Designed to operate with 220V DC.
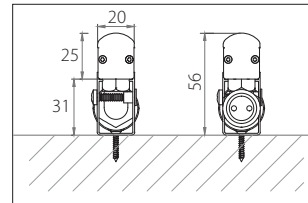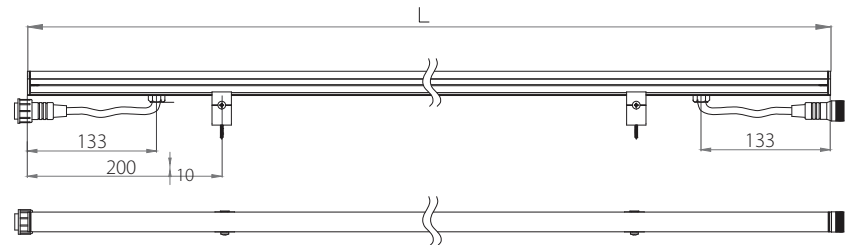
*All of the measurements for LEDLine product groups are in mm.

PCB AND LED OPTIONS   LLH-**P**-C

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 36W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS   LLH-P-**C**

C		**C**	
CW:	*Cold White - 4.700K-9.500K*	**R:**	*Red - 625nm*
NW:	*Natural White - 3.700K-4.700K*	**A:**	*Amber - 590nm*
WW:	*Warm White - 2.700K-3.700K*	**G:**	*Green - 525nm*
F:	*RGB*	**B:**	*Blue - 465nm*

Protection Class: IP65

Lifetime: 50.000 hours

Fiberli   *Fiberoptic & LED Products Catalogue*   LED LIGHT   CE

LEDLine H

MOUNTING

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.
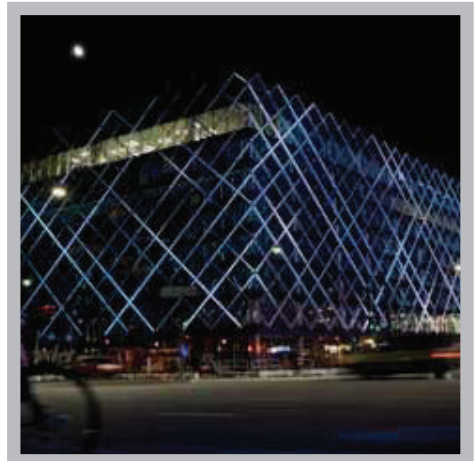

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLine CRN   LLCRN

Corner luminaire

APPLICATION AREAS

LEDLine CRN, the decorative lighting luminaire applied on indoor ceiling corners. Generates an aesthethic appearance in locations applied.

ELECTROMECHANICAL SPECIFICATIONS   LLCRN-P-C

- Anodized aluminium housing
- Polycarbonate luminaire glass.
- PVC side cover
- Can be produced in maximum 4-meter parts.
- Designed to operate with 24V DC.
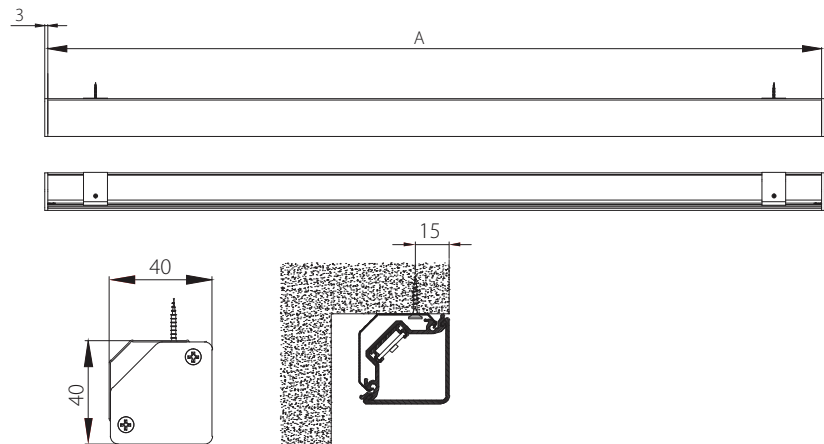
*All of the measurements for LEDLine product groups are in mm.

LIGHT COLOUR OPTIONS   LLCRN-P-**C**

C			C	
	CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
	F: *RGB*		**B:** *Blue - 465nm*	

PRODUCT CODE EXPENSION

LLCRN-**P**-**C**

PCB & LED
Işık rengi / Light Color

LLCRN LUMINAIRE LED OPTIONS

TopLED

LLCRN T60: *24V DC - 4,8W/m - 480Lm/m*	
LLCRN T90: *24V DC - 7,2W/m - 720Lm/m*	
LLCRN T180: *24V DC - 14,4W/m - 1.440Lm/m*	

Power TopLED

LLCRN PT45: *24V DC - 18W/m - 1.485Lm/m*	
LLCRN PT60: *24V DC - 24W/m - 1.980Lm/m*	
LLCRN PT90: *24V DC - 36W/m - 2.970Lm/m*	

Big TopLED Mono Color

LLCRN BT45: *24V DC - 10,8W/m - 810Lm/m*	
LLCRN BT45R: *24V DC - 10,8W/m - 810Lm/m*	
LLCRN BT60: *24V DC - 14,4W/m - 1.080Lm/m*	
LLCRN BT60R: *24V DC - 14,4W/m - 1.080Lm/m*	

Big TopLED Full Color

LLCRN BT45: *24V DC - 10,8W/m - 810Lm/m*	
LLCRN BT45R: *24V DC - 10,8W/m - 810Lm/m*	
LLCRN BT60: *24V DC - 14,4W/m - 1.080Lm/m*	
LLCRN BT60R: *24V DC - 14,4W/m - 1.080Lm/m*	

Full Color Pixel

LLCRN X45: *24V DC - 12,6W/m - 7pixel/m*	

Protection Class: IP40

Lifetime: 50.000 hours

LEDLine CRN

MOUNTING

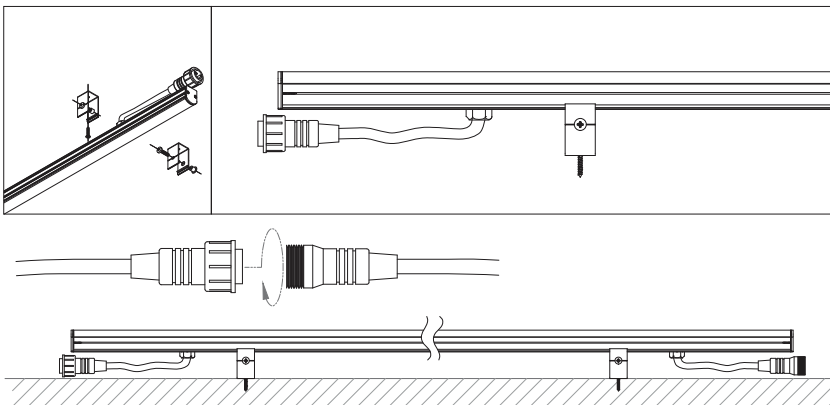Luminaires can be mounted on the ceiling with hanging brackets or through flush mounting. The power supply of luminaires is external and placed behind the suspended ceiling.

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLine Aqua Tube — LLAT

Aqua Tube

APPLICATION AREAS

LEDLine AT, designed to be used at outdoors and underwater. Provides continuous linear lighting with its exclusive design. Easily mounted by means of mounting clips.

ELECTROMECHANICAL SPECIFICATIONS — LLAT-P-C-K

- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- Polycarbonate luminaire glass.
- Designed to operate with 24V DC.
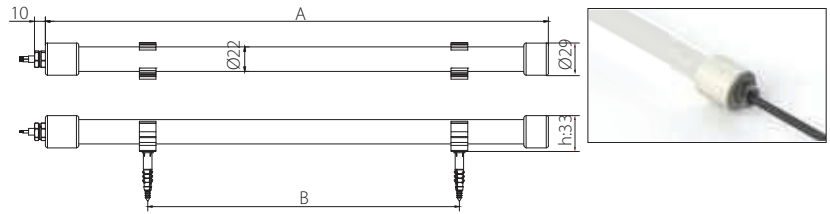
*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS — LLAT-**P**-C-K

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 11W/m.
(P.S. LEDLine LED Options)

LIGHT COLOUR OPTIONS — LLAT-P-**C**-K

C		C	
CW: Cold White - 4.700K-9.500K		**R:** Red - 625nm	
NW: Natural White - 3.700K-4.700K		**A:** Amber - 590nm	
WW: Warm White - 2.700K-3.700K		**G:** Green - 525nm	
F: RGB		**B:** Blue - 465nm	

PRODUCT CODE EXPENSION

LLAT-**P**-**C**-**K**

P — *PCB & LED*
C — *Işık rengi / Light Color*
K — *Kablo giriş-çıkış yeri / Cable in-out ways*

LLAT LUMINAIRE LED OPTIONS

TopLED

LLAT T30:	24V DC - 2,4W/m - 240Lm/m
LLAT T60:	24V DC - 4,8W/m - 480Lm/m
LLAT T90:	24V DC - 7,2W/m - 720Lm/m

Big TopLED Mono Color

LLAT BT10:	24V DC - 2,4W/m - 240Lm/m
LLAT BT15:	24V DC - 3,6W/m - 360Lm/m
LLAT BT20:	24V DC - 4,8W/m - 480Lm/m
LLAT BT30:	24V DC - 7,2W/m - 720Lm/m
LLAT BT30R:	24V DC - 7,2W/m - 720Lm/m
LLAT BT45:	24V DC - 10,8W/m - 1.080Lm/m
LLAT BT45R:	24V DC - 10,8W/m - 1.080Lm/m

Big TopLED Full Color

LLAT BT15:	24V DC - 3,6W/m
LLAT BT15R:	24V DC - 3,6W/m
LLAT BT30:	24V DC - 7,2W/m
LLAT BT30R:	24V DC - 7,2W/m
LLAT BT45:	24V DC - 10,8W/m
LLAT BT45R:	24V DC - 10,8W/m

Big TopLED Full Color Pixel

LLAT BTX30:	24V DC - 8,4W/m - 5pixel/m
LLAT BTX45:	24V DC - 12,6W/m - 7pixel/m

Protection Class: IP68
Lifetime: 50.000 hours

LEDLine AT

CABLE INLET POINTS OPTIONS
LLAT-P-C-**K**

| K | **L:** *Left side cover inlet* | K | **LR:** *Inlet and outlet from both sides* |

MOUNTING

Luminaires are fastened to mounting clips, which are fixed to the floor.

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX1 - *DMX Control, 1 adress*

DALI - *DALI Control*

0-10V DC - *Analog 0-10V DC Control*

TRC - *TRIAC Control*

COLOR CONTROL OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX - *DMX Control, 1 adress*

DMX - *DMX Control, 3-4 adress*

LEDLine

PRODUCT CODE EXPENSION

Kablo giriş-çıkış yeri / Cable in-out ways

Işık rengi / Light Color

PCB & LED

LLUT-**P**-**C**-**K**

LLUT LUMINAIRE LED OPTIONS

TopLED

LLUT T30:	*24V DC - 2,4W/m - 240Lm/m*
LLUT T60:	*24V DC - 4,8W/m - 480Lm/m*
LLUT T90:	*24V DC - 7,2W/m - 720Lm/m*

Big TopLED Mono Color

LLUT BT10:	*24V DC - 2,4W/m - 240Lm/m*
LLUT BT15:	*24V DC - 3,6W/m - 360Lm/m*
LLUT BT20:	*24V DC - 4,8W/m - 480Lm/m*
LLUT BT30:	*24V DC - 7,2W/m - 720Lm/m*
LLUT BT30R:	*24V DC - 7,2W/m - 720Lm/m*
LLUT BT45:	*24V DC - 10,8W/m - 1.080Lm/m*
LLUT BT45R:	*24V DC - 10,8W/m - 1.080Lm/m*

P

Big TopLED Full Color

LLUT BT15:	*24V DC - 3,6W/m*
LLUT BT15R:	*24V DC - 3,6W/m*
LLUT BT30:	*24V DC - 7,2W/m*
LLUT BT30R:	*24V DC - 7,2W/m*
LLUT BT45:	*24V DC - 10,8W/m*
LLUT BT45R:	*24V DC - 10,8W/m*

Big TopLED Full Color Pixel

LLUT BTX30:	*24V DC - 8,4W/m - 5pixel/m*
LLUT BTX45:	*24V DC - 12,6W/m - 7pixel/m*

Protection Class: IP68

Lifetime: 50.000 hours

## LEDLine Underwater Tube   LLUT

Underwater tube

APPLICATION AREAS

LEDLine UT, designed to be used at outdoors and underwater. Provides continuous linear lighting with its exclusive design. Easily mounted by means of mounting clips.

ELECTROMECHANICAL SPECIFICATIONS   LLUT-P-C-K

- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- Polycarbonate luminaire glass.
- Designed to operate with 24V DC.
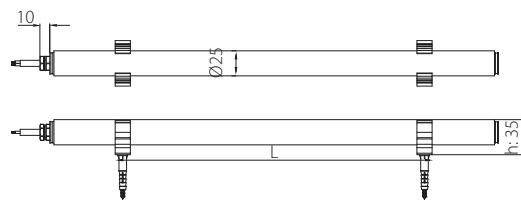
*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS   LLUT-**P**-C-K

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 13W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS   LLUT-P-**C**-K

C	**CW:** *Cold White - 4.700K-9.500K*	C	**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*
	F: *RGB*		**B:** *Blue - 465nm*
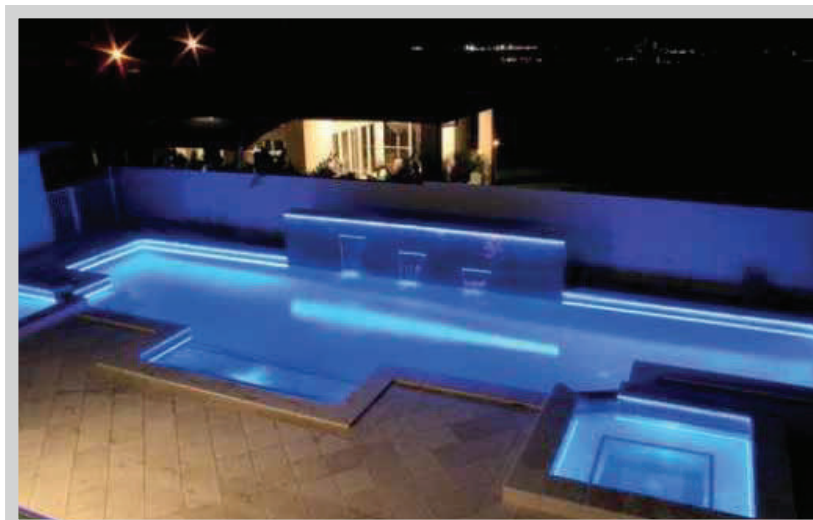
LEDLine UT
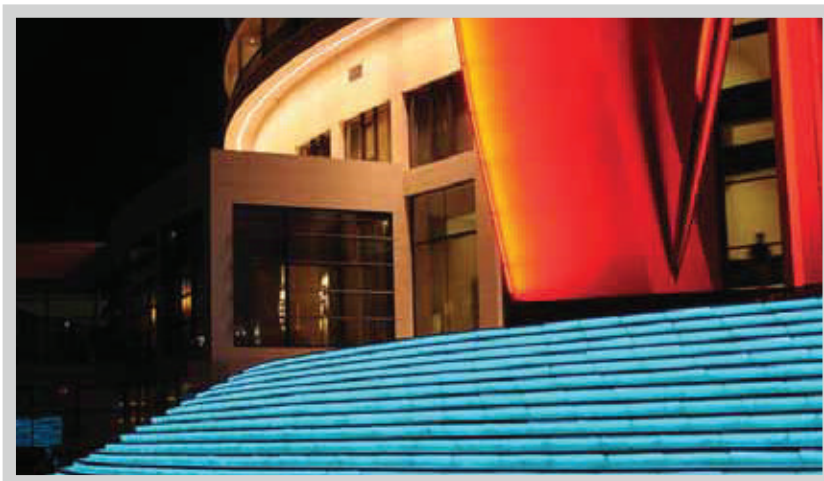
CABLE INLET POINTS OPTIONS   LLUT-P-C-**K**

K **L:** *Left side cover inlet*	**K** **LR:** *Inlet and outlet from both sides*

MOUNTING

Luminaires are fastened to mounting clips, which are fixed to the floor.

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLine   LEDLine

LEDLine Tube   LTB

LED Tube

PRODUCT CODE EXPENSION

*Ebatlar / **D**imensions*
*V**o**ltaj / V**o**ltage*
Işık rengi / Light Color

LTB-**D**-**V**-**C**

LTB 220V AC DOB LED OPTIONS

LTB60 T144: *9,5W-1.000 Lm*
LTB120 T256: *18W-1.800 Lm*

LTB 24V DC LED OPTIONS

LTB60 T180: *8W-750 Lm*
LTB60 PT60: *15W-1.200 Lm*
LTB60 PT90: *21W-1.800 Lm*

LTB120 T180: *16W-1.500 Lm*
LTB120 PT60: *30W-2.400 Lm*
LTB120 PT90: *42W-3.600 Lm*

LTB150 T180: *20W-1.875 Lm*
LTB150 PT60: *24W-3.000 Lm*
LTB150 PT90: *52W-4.500 Lm*

Protection Class: IP44

Lifetime: 50.000 hours
The lumen outputs, given in the charts, are for the LEDs used in the luminaire. Luminaire, cover and diffusor have not been taken into consideration.

APPLICATION AREAS

LEDLine TB, luminaire designed for the purpose of converting fluorescent lamps into LEDs. This luminaire can directly be mounted in the fluorescent lamp casing due to its dimensioning in T8 fluorescent lamp standards.

ELECTROMECHANICAL SPECIFICATIONS   **LTB**-D-V-C

- Anodized aluminium housing
- As standard, produced in 60, 120 and 150 cm dimensions.

A

12,6

Metal pin   isolated plastic pin
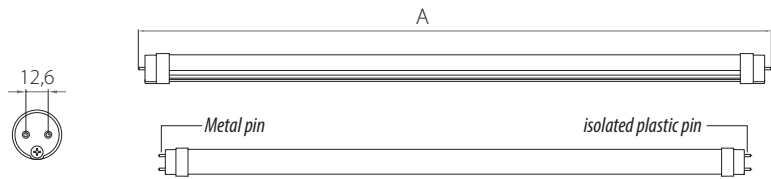
*All of the measurements for LEDLine product groups are in mm.
**The sockets can directly be mounted following the alteration of internal wiring of fluorescent lamp casing. The alterations, which can be applied to the wiring, have been specified according to product groups. Power inputs are rendered from the side of the metal sockets. Other sockets are isolated and plastic.

DIMENSIONS   LTB-**D**-V-C

D	**LTB60:** *A=602,5mm*
	LTB120: *A=1.212mm*
	LTB150: *A=1.512mm*

VOLTAGE OPTIONS   LTB-D-**V**-C

- Luminaires have been designed, as standard, to operate with 220-240V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.

VOLTAGE OPTIONS	
V	**DOB*** - *220V AC*
	DC - *24V DC*

*Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS AND CONNECTION METHOD   LTB-D-V-**C**

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

T LED LTB LUMINAIRE CONNECTION OPTIONS

N   L

LTB60 / 120 / 150

LTB60 / 120 / 150
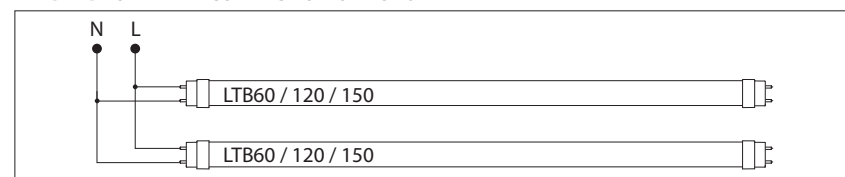
LEDLine Tube

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*

LEDLine MobSpot — LLMS

Furnitures luminaire

PRODUCT CODE EXPENSION

PCB & LED / *Işık rengi / Light Color*

LLMS-**P**-C

LLMS LUMINAIRE LED OPTIONS

TopLED

LLMS: *24V DC - 2,4W/m - 240Lm/m*	
LLMS: *24V DC - 4,8W/m - 480Lm/m*	

P PowerTopLED

LLMS: *24V DC - 24W/m - 2.700Lm/m*	
LLMS: *24V DC - 36W/m - 4.050Lm/m*	

APPLICATION AREAS

LEDLine MS, used in the illumination of kitchen, bedroom and living room furnitures as wells as for shelving units and shop windows. Easily mounted on various furniture materials.

ELECTROMECHANICAL SPECIFICATIONS — LLMS-P-C

- Anodized aluminium housing
- As standard, produced in 40, 80, 120, 160 and 200 cm dimensions.
- PCB types can also be produced in custome dimensions according to cutting sizes.
- As standard, PVC side covered. Produced without top cover in IP20 protection class.
- Can be promoted to IP44 protection class by adding polycarbonate luminaire glass.
- Designed to operate with 24V DC.

*All of the measurements for LEDLine product groups are in mm.

PCB & LED SPECIFICATIONS — LLMS-**P**-C

LEDLine options, used wihtin the profile, have been selected according to the cooling capacity of the profile. The highest cooling rate for this profile is 36W/m. *(P.S. LEDLine LED Options)*

LIGHT COLOUR OPTIONS — LLMS-P-**C**

C			C	
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*
				B: *Blue - 465nm*
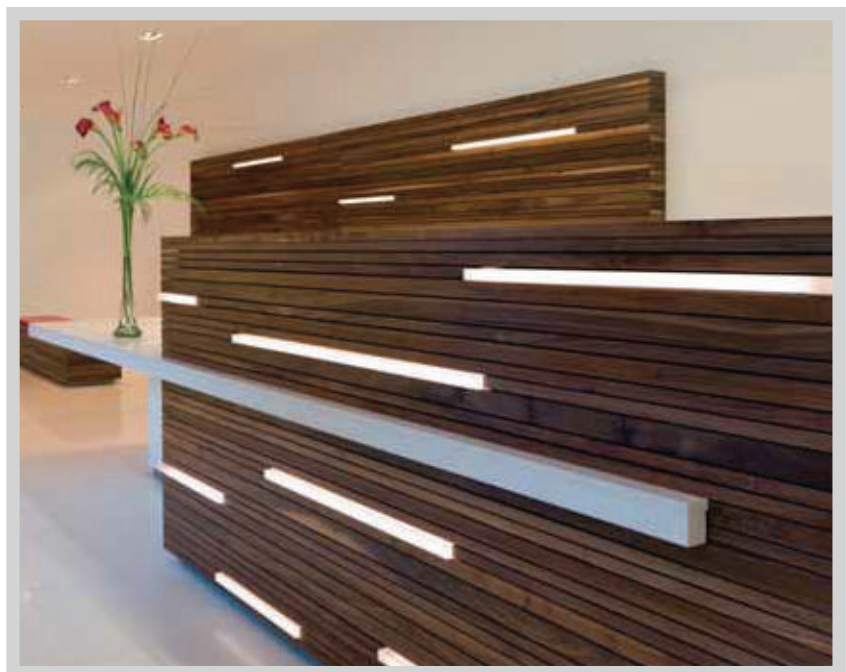
Protection Class: IP20/ IP40

Lifetime: 50.000 hours

LEDLine MS

MOUNTING
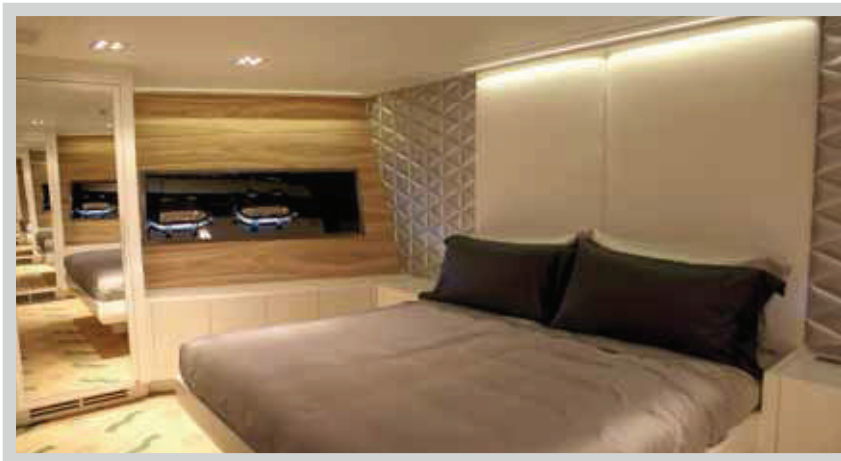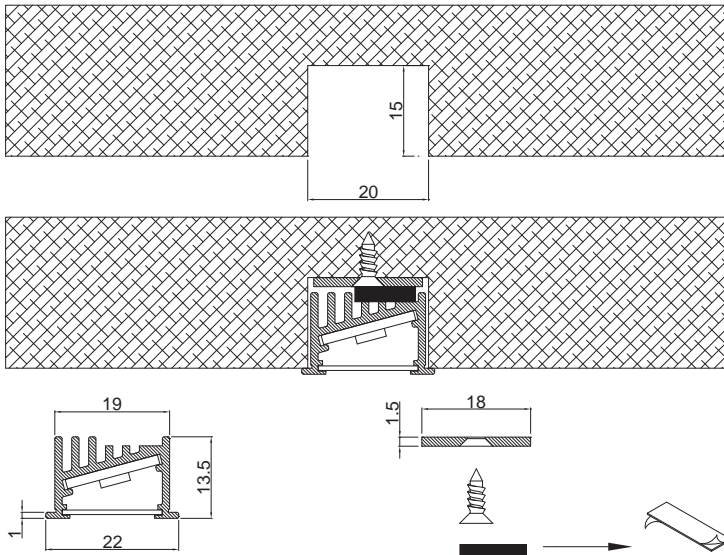
15

20

19

13.5

1

22

1.5

18

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX1 - *DMX Control, 1 adress*

DALI - *DALI Control*

0-10V DC - *Analog 0-10V DC Control*

TRC - *TRIAC Control*

COLOR CONTROL OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX - *DMX Control, 1 adress*

DMX - *DMX Control, 3-4 adress*
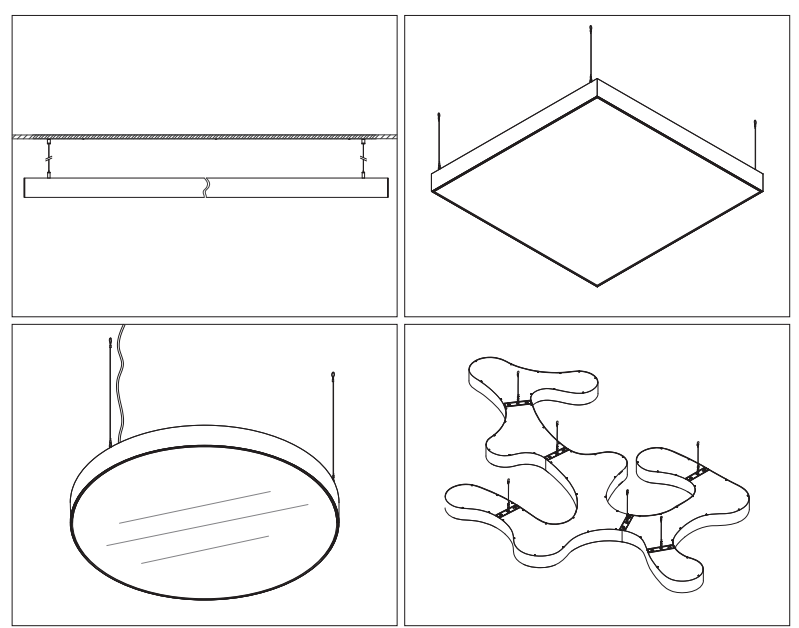
•DecoPendant

The DecoPendant series offers decorative lighting solutions with its aesthetic and modern design for venues such as shopping malls, hotels, restaurants and libraries. The luminaires can be mounted by being recessed on or suspended from the ceiling. Additionally, as the luminaires can easily be applied with simple mounting brackets, they are often preferred by interior architects.

BLZ	BLZS	PZL	DRM
DRMG	DRMS	YZKd	YZKi
QDR	QDR²	LLT15	Beehive

Decorative Lighting

BLZ | Circular Luminaire

This luminaire, designed in the shape of a collar, is utilised in large space venues such as shopping malls, restaurants and hotels due to its stylish and modern design. A decorative luminaire which can be mounted by hanging on the ceiling and easily applied.

BLZS | Circular Slim Luminaire

The Collar Slim features a thinner design in comparison with the BLZ luminaire for to be utilised in small sized venues such as lobbies, offices, libraries and waiting rooms. By courtesy of this design, the luminaire imparts elegancy and delicacy to the environments applied.

PZL | Puzzle Luminaire

This luminaire, designed in the shape of a puzzle piece, is utilised in large space venues such as shopping malls, restaurants and hotels.

DRM | Drum Luminaire

This luminaire, designed in the shape of a drum, is utilised in large space venues such as shopping malls, restaurants, hotels and libraries.

DRMG | Drum Recessed Luminaire

This luminaire, designed in the shape of a drum, is utilised in large space venues such as shopping malls, restaurants, hotels and libraries.

DRMS | Drum Surface Luminaire

Drum Surface has been designed in order to be utilised for indoor venues without suspended ceilings. This luminaire, which can easily be mounted on the ceiling surface, renders an aesthetical illumination in venues.

YZKd | Ring Luminaire d

Preserves its conventional style with its shape of a ring and outward designed lighting direction. Can easily be applied by hanging on the ceiling with practical mounting brackets. Preferred for indoor venues due to its aesthetical structure.

YZKi | Ring Luminaire i

Creates an extraordinary style with its shape of a ring and inward designed lighting direction. Can easily be applied by hanging on the ceiling with practical mounting brackets. Preferred for indoor venues due to its aesthetical structure.

QDR | Quadro

This square shaped luminaire is utilised in venues such as shopping malls, restaurants and hotels with its elegant and modern design. The decorative luminaire which can be applied by hanging on the ceiling or mounting on the surface.

QDR^2 | Quadro^2

This square shaped luminaire is utilised in venues such as shopping malls, restaurants and hotels with its elegant and modern design. The decorative luminaire which can be applied by hanging on the ceiling or mounting on the surface.

LLT15 | LEDLine Tube15

This tube shaped luminaire is utilised for indoor venues such as offices, receptions and libraries. The decorative luminaire which can be applied by hanging on the ceiling.

Beehive | Beehive

This cylinder shaped luminaire is utilised for indoor venues such as shopping malls. The decorative luminaire mounted by hanging on the ceiling and easily applied.

DecoPendant Luminaires

Bracelet   BLZ

Circular-designed decorative luminaire

APPLICATION AREAS

This luminaire, designed in the shape of a collar, is utilised in large space venues such as shopping malls, restaurants and hotels due to its stylish and modern design. A decorative luminaire which can be mounted by hanging on the ceiling and easily applied.

ELECTROMECHANICAL SPECIFICATIONS   BLZ-W-C

- Anodized aluminium housing
- Plexiglass diffused cover
- Manufactured in 90, 120, 150 and 180 cm diameters as standard.
- Can also be manufactured outside of the standard dimensions.

PCB & LED SPECIFICATIONS   BLZ-**W**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
(P.S Luminaire Power Options)

LIGHT COLOUR OPTIONS   BLZ-W-**C**

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*
	F: *RGB*

PRODUCT CODE EXPENSION

BLZ-W-C

Güç / Power / Watt
Işık rengi / Light Color

BLZ LUMINAIRE OPTIONS

Mono Color

BLZ90: *24V DC - 105W - 5.350Lm*

BLZ90: *24V DC - 150W - 8.000Lm*
Full Color

BLZ90: *24V DC - 62W*

Mono Color

BLZ120: *24V DC - 150W - 7.500Lm*

BLZ120: *24V DC - 200W - 10.000Lm*
Full Color

BLZ120: *24V DC - 87W*

W **Mono Color**

BLZ150: *24V DC - 250W - 12.600Lm*

BLZ150: *24V DC - 380W - 19.100Lm*
Full Color

BLZ150: *24V DC - 145W*

Mono Color

BLZ180: *24V DC - 300W - 15.300Lm*

BLZ180: *24V DC - 440W - 20.400Lm*
Full Color

BLZ180: *24V DC - 175W*

Protection Class: IP44

Lifetime: 50.000 hours

The specified power ratings are the total amount of energy consumed by the luminaire. The losses in power supplies have not been taken into consideration.

DecoPendant BLZ

MOUNTING

The luminaires are suspendedly mounted on the ceiling. Procured with 2,5 meter cable as standard.

BLZ90 & BLZ120

BLZ150 & BLZ180

BLZ90 : A= 10cm, B=90cm, C=15cm, D=60cm
BLZ120 : A= 10cm, B=120cm, C=20cm, D=80cm
BLZ150 : A= 10cm, B=150cm, C=25cm, D=100cm
BLZ180 : A= 10cm, B=180cm, C=30cm, D=120cm

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

Bracelet Slim — BLZS

Circular-designed decorative luminaire

PRODUCT CODE EXPENSION

*Güç / Power / **Watt***
*Işık rengi / Light **Color***

BLZS-**W**-**C**

BLZS LUMINAIRE OPTIONS

W

Mono Color
BLZS90: *24V DC - 60W - 4.000Lm*
BLZS90: *24V DC - 90W - 6.000Lm*
Full Color
BLZS90: *24V DC - 35W*

Mono Color
BLZS120: *24V DC - 85W - 575Lm*
BLZS120: *24V DC - 125W - 8.450Lm*
Full Color
BLZS120: *24V DC - 50W*

Mono Color
BLZS150: *24V DC - 105W - 7.000Lm*
BLZS150: *24V DC - 155W - 10.400Lm*
Full Color
BLZS150: *24V DC - 60W*

Mono Color
BLZS180: *24V DC - 130W - 8.750Lm*
BLZS180: *24V DC - 190W - 12.800Lm*
Full Color
BLZS180: *24V DC - 75W*

APPLICATION AREAS

The Collar Slim features a thinner design in comparison with the BLZ luminaire for to be utilised in small sized venues such as lobbies, offices, libraries and waiting rooms. By courtesy of this design, the luminaire imparts elegancy and delicacy to the environments applied.

ELECTROMECHANICAL SPECIFICATIONS — **BLZS**-W-C

- Anodized aluminium housing
- Plexiglass diffused cover
- Manufactured in 90, 120, 150 and 180 cm diameters as standard.
- Can also be manufactured outside of the standard dimensions.

PCB & LED SPECIFICATIONS — BLZS-**W**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
(P.S Luminaire Power Options)

LIGHT COLOUR OPTIONS — BLZS-W-**C**

C
CW: *Cold White - 4.700K-9.500K*
NW: *Natural White - 3.700K-4.700K*
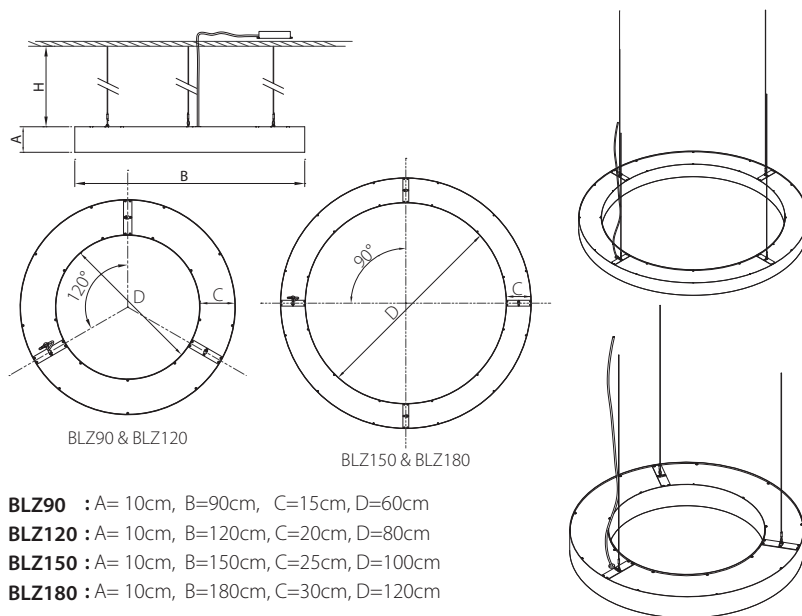**WW:** *Warm White - 2.700K-3.700K*
F: *RGB*
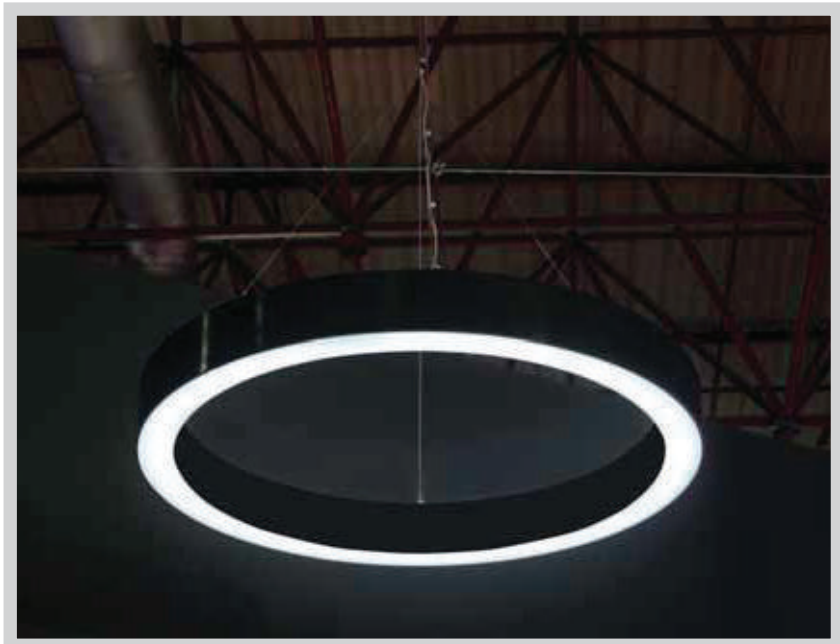
DecoPendant BLZS

MOUNTING

The luminaires are suspendedly mounted on the ceiling. Procured with 2,5 meter cable as standard.

BLZS 90 : A:10cm   B:90cm   C:10cm   D:70cm
BLZS 120: A:10cm   B:120cm   C:10cm   D:100cm
BLZS 150: A:10cm   B:150cm   C:10cm   D:130cm
BLZS 180: A:10cm   B:180cm   C:10cm   D:160cm

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

PRODUCT CODE EXPENSION

Güç / Power / Watt
Işık rengi / Light Color

PZL-W-C

PZL LUMINAIRE OPTIONS

Mono Color

W	**PZL:** *24V DC - 250W - 8.400Lm*
	PZL: *24V DC - 500W - 16.800Lm*
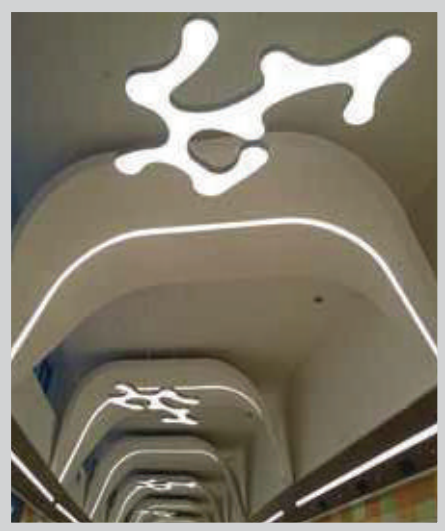
Puzzle   **PZL** CE

Circular-designed decorative luminaire

APPLICATION AREAS

This luminaire, designed in the shape of a puzzle piece, is utilised in large space venues such as shopping malls, restaurants and hotels.

ELECTROMECHANICAL SPECIFICATIONS   **PZL**-W-C

- Anodized aluminium housing
- Plexiglass diffused cover
- Can also be manufactured outside of the standard dimensions.

### PCB & LED SPECIFICATIONS   PZL-**W**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
(P.S Luminaire Power Options)

LIGHT COLOUR OPTIONS   PZL-W-**C**

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

MOUNTING

The luminaires are suspendedly mounted on the ceiling. Procured with 2,5 meter cable as standard.
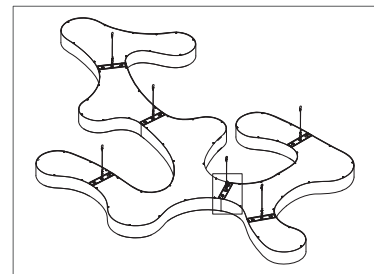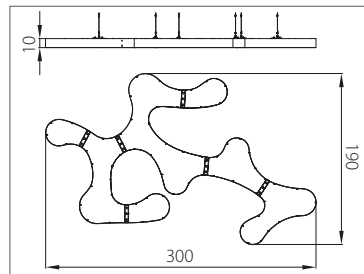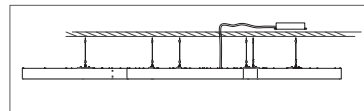
Protection Class: IP44

Lifetime: 50.000 hours

The specified power ratings are the total amount of energy consumed by the luminaire. The losses in power supplies have not been taken into consideration.
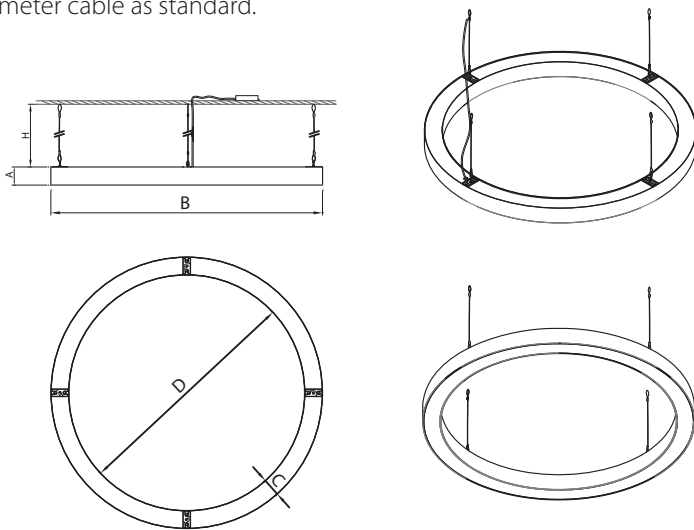

DecoPendant PZL

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX1 - *DMX Control, 1 adress*

DALI - *DALI Control*

0-10V DC - *Analog 0-10V DC Control*

TRC - *TRIAC Control*

COLOR CONTROL OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX - *DMX Control, 1 adress*

DMX - *DMX Control, 3-4 adress*

DecoPendant Luminaires

Drum   DRM

Circular-designed decorative luminaire

PRODUCT CODE EXPENSION

DRM - **P** - C

PCB & LED
Işık rengi / Light Color

DRM LUMINAIRE OPTIONS

DRM60:	*24V DC - 75W - 5.600Lm*
DRM60:	*24V DC - 100W - 7.500Lm*
DRM90:	*24V DC - 50W - 3.750Lm*
DRM90:	*24V DC - 100W - 7.500Lm*
DRM120:	*24V DC - 100W - 7.500Lm*
DRM120:	*24V DC - 200W - 15.000Lm*
DRM150:	*24V DC - 130W - 9.750Lm*
DRM150:	*24V DC - 260W - 19.500Lm*
DRM180:	*24V DC - 200W - 15.000Lm*
DRM180:	*24V DC - 400W - 30.000Lm*

W

APPLICATION AREAS

This luminaire, designed in the shape of a drum, is utilised in large space venues such as shopping malls, restaurants, hotels and libraries.

ELECTROMECHANICAL SPECIFICATIONS   **DRM**-P-C

- Anodized aluminium housing
- Manufactured in 60, 90, 120, 150 ve 180cm diameters as standard.
- Can also be manufactured outside of the standard dimensions.
- Stretched barrisol is used in products which are manufactured between 90 and 180 cm diameters.
- PMMA diffused cover is used in products which are manufactured till 120cm diameters.

LED & POWER SPECIFICATIONS   DRM-**P**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
*(P.S Luminaire Options)*

LIGHT COLOUR OPTIONS   DRM-P-**C**

C	**CW:** *Cold White - 4.700K-9.500K*	**C**	**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*
	F: *RGB*		**B:** *Blue - 465nm*

Protection Class: IP44

Lifetime: 50.000 hours

The specified power ratings are the total amount of energy consumed by the luminaire. The losses in power supplies have not been taken into consideration.

DecoPendant DRM

MOUNTING

DRM60: B=60cm DRM90: B=90cm DRM120: B=120cm DRM150: B=150cm DRM180: B=180cm

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

Drum Recessed   DRMG

Drum-designed recessed luminaire

APPLICATION AREAS

The decorative luminaire, mounted by being recessed on the ceiling and easily applied.

ELECTROMECHANICAL SPECIFICATIONS   DRMG-P-C

- Anodized aluminium housing
- Manufactured in 120, 150 and 180 cm diameters as standard.
- Can also be manufactured outside of the standard dimensions.
- PMMA diffused cover or stretched barrisol is used as standard.

PCB & LED SPECIFICATIONS   DRMG-**P**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
(P.S Luminaire Options)

LIGHT COLOUR OPTIONS   DRMG-P-**C**

CW: Cold White - 4.700K-9.500K	**R:** Red - 625nm
NW: Natural White - 3.700K-4.700K	**A:** Amber - 590nm
WW: Warm White - 2.700K-3.700K	**G:** Green - 525nm
F: RGB	**B:** Blue - 465nm

MOUNTING
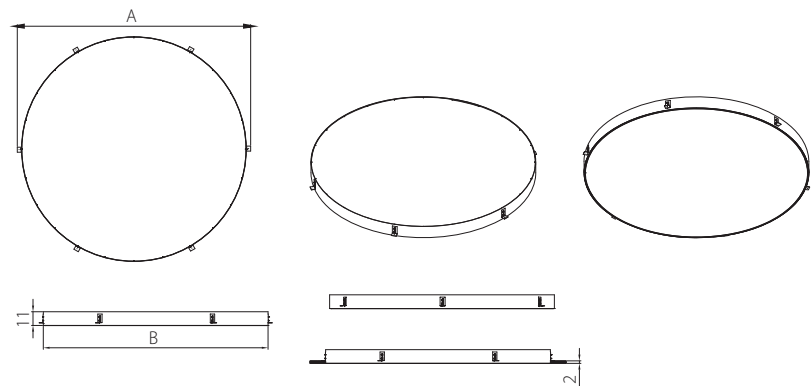
DRMG 100 B=100cm, A=102cm   DRMG 150: B=150cm, A=152cm   DRMG 200: B=200cm, A=202

PRODUCT CODE EXPENSION

DRMG - P - C

PCB & LED
Işık rengi / Light Color

DRMG LUMINAIRE OPTIONS

DRMG120 PT15R: 24V DC - 101W - 11.300Lm
DRMG120 BT15-F: 24V DC - 25W
P	**DRMG150 PT15R:** 24V DC - 158W - 17.600Lm
	DRMG150 BT15-F: 24V DC - 70W
	DRMG180 PT15R: 24V DC - 230W - 25.400Lm
	DRMG180 BT15-F: 24V DC - 203W

Protection Class: IP44

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are for the LEDs used in the luminaire. Luminaire, cover and diffusor have not been taken into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire. The losses in power supplies have not been taken into consideration.
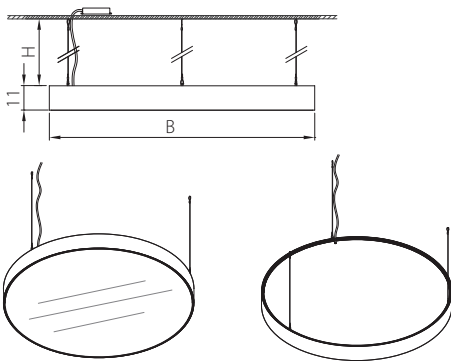
DecoPendant DRMG

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX1 - *DMX Control, 1 adress*

DALI - *DALI Control*

0-10V DC - *Analog 0-10V DC Control*

TRC - *TRIAC Control*

COLOR CONTROL OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX - *DMX Control, 1 adress*

DMX - *DMX Control, 3-4 adress*

PRODUCT CODE EXPENSION

PCB & LED
Işık rengi / Light Color

DRMS- **P** – **C**

DRMS PLEXI OPTIONS

DRMS30: *24V DC - 30W - 2.250Lm*
DRMS40: *24V DC - 40W - 3.000Lm*
DRMS40: *24V DC - 50W - 3.750Lm*
DRMS50: *24V DC - 60W - 4.500Lm*
DRMS50: *24V DC - 70W - 5.600Lm*
DRMS60: *24V DC - 60W - 4.500Lm*
W	**DRMS60:** *24V DC - 110W - 8.250Lm*
DRMS70: *24V DC - 110W - 8.250Lm*
DRMS70: *24V DC - 160W - 12.000Lm*
DRMS90: *24V DC - 145W - 10.850Lm*
DRMS90: *24V DC - 200W - 15.000Lm*
DRMS100: *24V DC - 210W - 15.750Lm*
DRMS120: *24V DC - 250W - 18.750Lm*

DRMS BARISOL OPTIONS

DRMS90: *24V DC - 50W - 3.750Lm*
DRMS90: *24V DC - 100W - 7.500Lm*
DRMS120: *24V DC - 100W - 7.500Lm*
W	**DRMS120:** *24V DC - 200W - 15.000Lm*
DRMS150: *24V DC - 130W - 9.750Lm*
DRMS150: *24V DC - 260W - 19.500Lm*
DRMS180: *24V DC - 200W - 15.000Lm*
DRMS180: *24V DC - 400W - 30.000Lm*

Protection Class: IP44

Lifetime: 50.000 hours

The specified power ratings are the total amount of energy consumed by the luminaire. The losses in power supplies have not been taken into consideration.
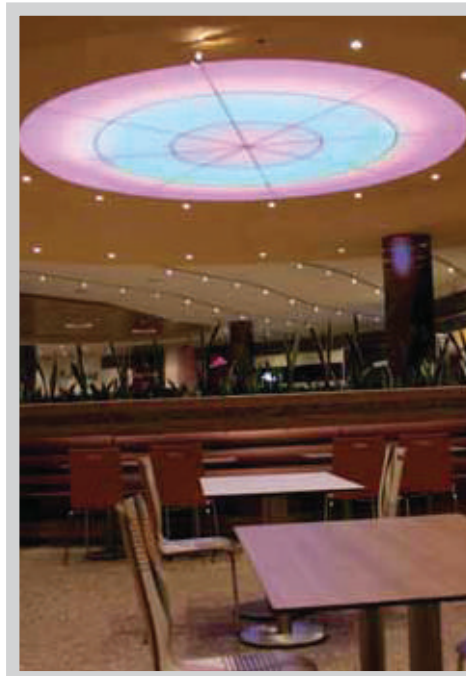
DecoPendant Luminaires

Drum Surface   DRMS
Circular-designed decorative luminaire

APPLICATION AREAS

Drum Surface has been designed in order to be utilised for indoor venues without suspended ceilings. This luminaire, which can easily be mounted on the ceiling surface, renders an aesthetical illumination in venues.

ELECTROMECHANICAL SPECIFICATIONS   DRMS-P-C

- Electrostatic powder coated body or anodized aluminium housing
- Can also be manufactured outside of the standard dimensions.
- Stretched barrisol is used in products which are manufactured between 30 and 120 cm diameters.
- PMMA diffused cover is used in products which are manufactured till 90 and 120cm diameters.

PCB & LED SPECIFICATIONS   DRMS-**P**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
(P.S Luminaire Options)

LIGHT COLOUR OPTIONS   DRMS-P-**C**

C	**CW:** *Cold White - 4.700K-9.500K*	**C**	**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*
	F: *RGB*		**B:** *Blue - 465nm*

DecoPendant DRMS

MOUNTING

152.7
108
Ø15
152.7
149
25

60 ±2
300 ±2

140
Ø390

250
200
Ø490

250
250
Ø590

350
350
Ø690

900
335
635
Ø1190

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

Ring Luminaire / d — YZKd

Ring-designed decorative luminaire

APPLICATION AREAS

Preserves its conventional style with its shape of a ring and outward designed lighting direction. Can easily be applied by hanging on the ceiling with practical mounting brackets. Preferred for indoor venues due to its aesthetical structure.

ELECTROMECHANICAL SPECIFICATIONS — YZKd-W-C

- Anodized aluminium housing
- Plexiglass diffused cover
- Manufactured in 90, 120, 150 and 180 cm diameters as standard.
- Can also be manufactured outside of the standard dimensions.

LED & POWER SPECIFICATIONS — YZKd-**W**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
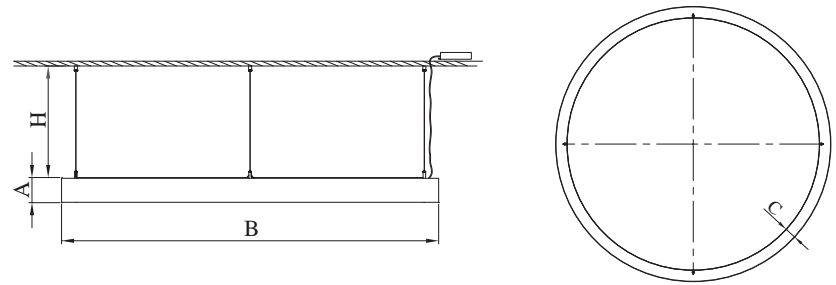*(P.S Luminaire Power Options)*

LIGHT COLOUR OPTIONS — YZKd-W-**C**

C	CW: *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*
	F: *RGB*

MOUNTING

The luminaires are suspendedly mounted on the ceiling. The cable length (H) is designated as 1,5 meters as standard.

YZKd90 : A= 10cm, B=90cm, C=6cm
YZKd120 : A= 10cm, B=120cm, C=6cm
YZKd150 : A= 10cm, B=150cm, C=6cm
YZKd180 : A= 10cm, B=180cm, C=6cm

PRODUCT CODE EXPENSION

YZKd-W-C

Güç / Power / Watt
Işık rengi / Light Color

YZKd LUMINAIRE OPTIONS

Mono Color
YZKd90: *24V DC - 40W - 2.800Lm*
YZKd90: *24V DC - 80W - 5.600Lm*
Full Color
YZKd90: *24V DC - 75W*

Mono Color
YZKd120: *24V DC - 60W - 4.200Lm*
YZKd120: *24V DC - 120W - 8.400Lm*
Full Color
YZKd120: *24V DC - 100W*

Mono Color
YZKd150: *24V DC - 75W - 5.250Lm*
YZKd150: *24V DC - 150W - 10.500Lm*
Full Color
YZKd150: *24V DC - 125W*

Mono Color
YZKd180: *24V DC - 90W - 6.300Lm*
YZKd180: *24V DC - 180W - 12.600Lm*
Full Color
YZKd180: *24V DC - 150W*

Protection Class: IP44
Lifetime: 50.000 hours

DecoPendant YZKd

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

DecoPendant Luminaires

Ring Luminaire / i — YZKi

Ring-designed decorative luminaire

PRODUCT CODE EXPENSION

Güç / Power / Watt
Işık rengi / Light Color

YZKi -W-C

YZKi LUMINAIRE OPTIONS

Mono Color

YZKi90: *24V DC - 50W - 2.268Lm*	
YZKi90: *24V DC - 100W - 4.436Lm*	

Full Color

YZKi90: *24V DC - 60W*

Mono Color

YZKi120: *24V DC - 65W - 3.024Lm*	
YZKi120: *24V DC - 130W - 6.048Lm*	

Full Color

YZKi120: *24V DC - 90W*

W **Mono Color**

YZKi150: *24V DC - 80W - 3.780Lm*	
YZKi150: *24V DC - 160W - 7.650Lm*	

Full Color

YZKi150: *24V DC - 115W*

Mono Color

YZKi180: *24V DC - 95W - 4.536Lm*	
YZKi180: *24V DC - 180W - 9.072Lm*	

Full Color

YZKi180: *24V DC - 150W*

APPLICATION AREAS

Creates an extraordinary style with its shape of a ring and inward designed lighting direction. Can easily be applied by hanging on the ceiling with practical mounting brackets. Preferred for indoor venues due to its aesthetical structure.

ELECTROMECHANICAL SPECIFICATIONS — YZKi-W-C

- Anodized aluminium housing
- Plexiglass diffused cover
- Manufactured in 90, 120, 150 and 180 cm diameters as standard.
- Can also be manufactured outside of the standard dimensions.

LED & POWER SPECIFICATIONS — YZKi-**W**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
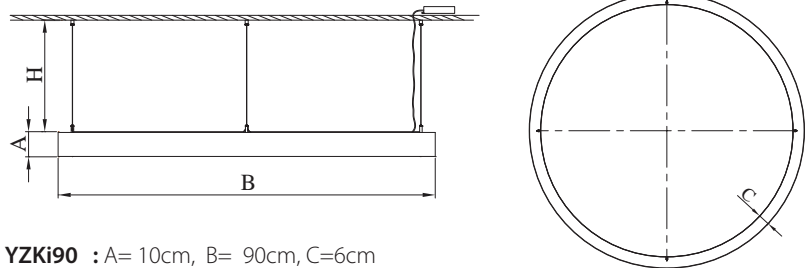*(P.S Luminaire Power Options)*

LIGHT COLOUR OPTIONS — YZKi-W-**C**

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*
	F: *RGB*

MOUNTING

The luminaires are suspendedly mounted on the ceiling. The cable length (H) is designated as 1,5 meters as standard.

YZKi90 : A= 10cm, B= 90cm, C=6cm
YZKi120 : A= 10cm, B=120cm, C=6cm
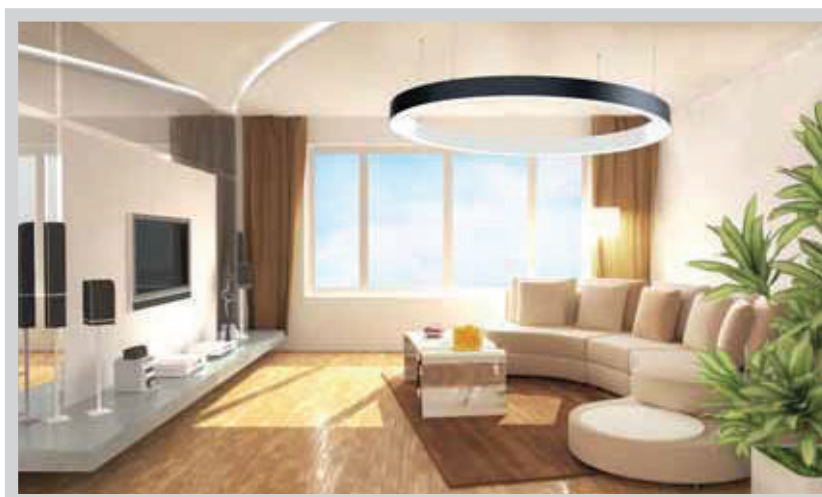**YZKi150 :** A= 10cm, B=150cm, C=6cm
YZKi180 : A= 10cm, B=180cm, C=6cm

Protection Class: IP44
Lifetime: 50.000 hours

DecoPendant YZKi

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLIGHT CE

DecoPendant Luminaires
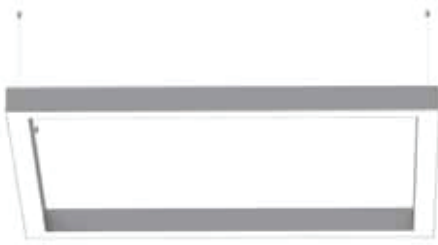
Quadro QDR

Decorative square luminaire

PRODUCT CODE EXPENSION

Güç / Power / Watt
Işık rengi / Light Color

QDR-W-C

QDR LUMINAIRE OPTIONS

Mono Color
QDR66: *24V DC - 48W - 3.050Lm*
QDR66: *24V DC - 72W - 4.550Lm*
Full Color
QDR66: *24V DC - 28W*

Mono Color
QDR99: *24V DC - 68W - 4.350Lm*
QDR99: *24V DC - 100W - 6.400Lm*
Full Color
QDR99: *24V DC - 45W*

Mono Color
QDR1212: *24V DC - 105W - 6.750Lm*
QDR1212: *24V DC - 160W - 10.350Lm*
Full Color
QDR1212: *24V DC - 62W*

Mono Color
QDR1515: *24V DC - 135W - 8.650Lm*
QDR1515: *24V DC - 200W - 12.850Lm*
Full Color
QDR1515: *24V DC - 78W*

Mono Color
QDR1818: *24V DC - 163W - 10.500Lm*
QDR1818: *24V DC - 245W - 15.850Lm*
Full Color
QDR1818: *24V DC - 95W*

APPLICATION AREAS

This square shaped luminaire is utilised in venues such as shopping malls, restaurants and hotels with its elegant and modern design. The decorative luminaire which can be applied by hanging on the ceiling or mounting on the surface.

ELECTROMECHANICAL SPECIFICATIONS QDR-W-C

- Anodized aluminium housing
- Plexiglass diffused cover
- Can also be manufactured outside of the standard dimensions.

PCB & LED SPECIFICATIONS QDR-**W**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
(P.S Luminaire Power Options)

LIGHT COLOUR OPTIONS QDR-W-**C**

CW: *Cold White - 4.700K-9.500K*
NW: *Natural White - 3.700K-4.700K*
WW: *Warm White - 2.700K-3.700K*
F: *RGB*

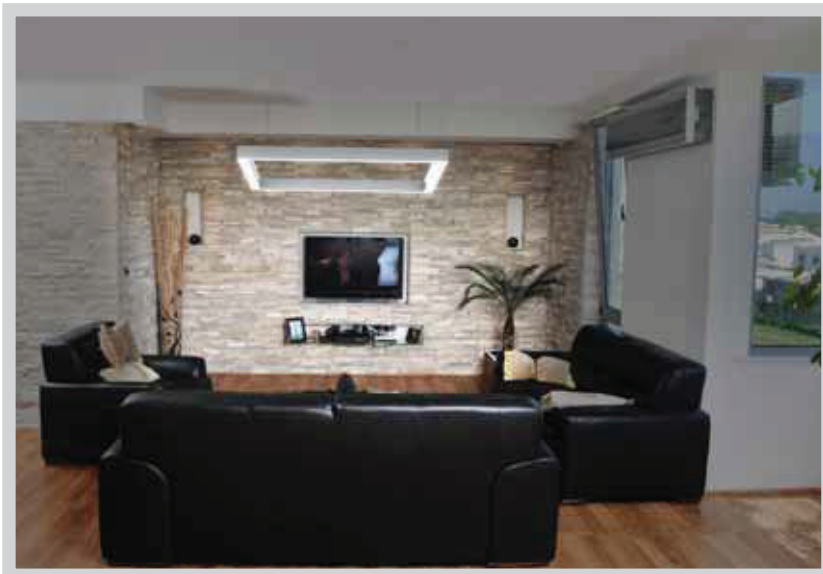*Protection Class: IP44*
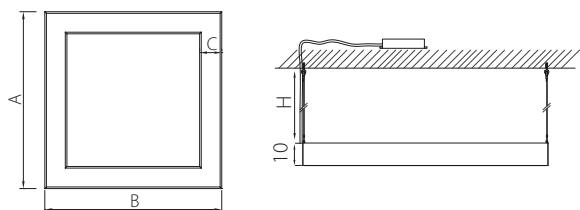*Lifetime: 50.000 hours*

DecoPendant QDR

MOUNTING

The luminaires are mounted on the ceiling with hanging brackets.

QDR66: A: 60cm, B: 60cm C: 10cm
QDR99: A: 90cm, B: 90cm C: 10cm
QDR1212: A: 120cm, B: 120cm C: 10cm
QDR1515: A: 150cm, B: 150cm C: 10cm
QDR1818: A: 180cm, B: 180cm C: 10cm

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX1 - *DMX Control, 1 adress*

DALI - *DALI Control*

0-10V DC - *Analog 0-10V DC Control*

TRC - *TRIAC Control*

COLOR CONTROL OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX - *DMX Control, 1 adress*

DMX - *DMX Control, 3-4 adress*

Quadro²   QDR²

Decorative square luminaire

PRODUCT CODE EXPENSION

QDR²- P - C

PCB & LED
Işık rengi / Light Color

QDR² LUMINAIRE OPTIONS

Mono Color

QDR²66 PT15:	*24V DC - 32W - 3.600Lm*
QDR²612 PT15:	*24V DC - 64W - 7.200Lm*
QDR²1212 PT15:	*24V DC - 128W - 14.400Lm*
QDR²1515 PT15:	*24V DC - 202W - 22.500Lm*
QDR²1818 PT15:	*24V DC - 300W - 32.500Lm*

P **Full Color**

QDR²66 BT15:	*24V DC - 20W*
QDR²612 BT15:	*24V DC - 40W*
QDR²1212 BT15:	*24V DC - 80W*
QDR²1515 BT15:	*24V DC - 121W*
QDR²1818 BT15:	*24V DC - 180W*

APPLICATION AREAS

This square shaped luminaire is utilised in venues such as shopping malls, restaurants and hotels with its elegant and modern design. The decorative luminaire which can be applied by hanging on the ceiling or mounting on the surface.

ELECTROMECHANICAL SPECIFICATIONS   QDR²-P-C

- Anodized aluminium housing
- PVC strected light surface
- Can also be manufactured outside of the standard dimensions.

PCB & LED SPECIFICATIONS   QDR²-**P**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
(P.S Luminaire Options)

LIGHT COLOUR OPTIONS   QDR²-P-**C**

C		**C**	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

Protection Class: IP44

Lifetime: 50.000 hours

The specified power ratings are the total amount of energy consumed by the luminaire. The losses in power supplies have not been taken into consideration.
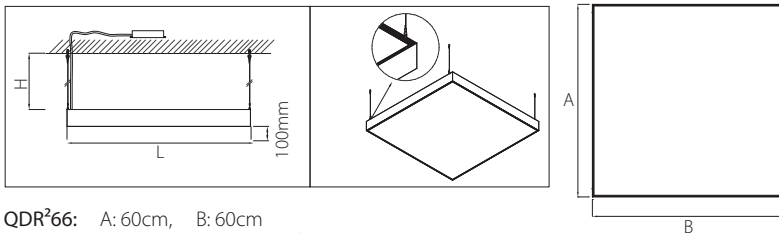
DecoPendant QDR²

MOUNTING

The luminaires are mounted on the ceiling with hanging brackets.

QDR²66:   A: 60cm,   B: 60cm
QDR²612:   A: 60cm,   B: 120cm
QDR²1212: A: 120cm,   B: 120cm
QDR²1515: A: 150cm,   B: 150cm
QDR²1818: A: 180cm,   B: 180cm

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*
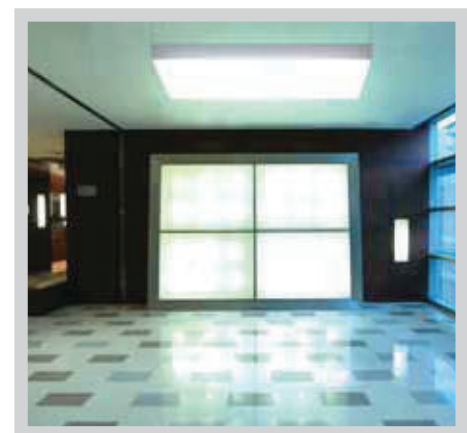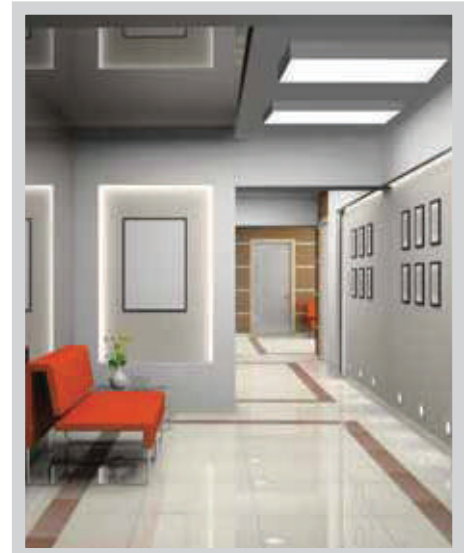
COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

LEDLine Tube15 — LLT15

Decorative Tube luminaire

PRODUCT CODE EXPENSION

PCB & LED | Işık rengi / Light Color

LLT15-**P**-**C**

LLT15 LUMINAIRE OPTIONS

Power TopLED

LLT15-BT20: *24V DC - 4,8W/m - 360Lm/m*

LLT15-BT30: *24V DC - 7,2W/m - 540Lm/m*

LLT15-BT30-R: *24V DC - 7,2W/m - 540Lm/m*

LLT15-BT45: *24V DC - 10,8W/m - 810Lm/m*

LLT15-BT45-R: *24V DC - 10,8W/m - 810Lm/m*

LLT15-BT60: *24V DC - 14,4W/m - 1080Lm/m*

LLT15-BT60-R: *24V DC - 14,4W/m - 1080Lm/m*

P **Power TopLED**

LLT15-PT15: *24V DC - 6W/m - 495Lm/m*

LLT15-PT30: *24V DC - 12W/m - 990Lm/m*

LLT15-PT45: *24V DC - 18W/m - 1485Lm/m*

LLT15-PT60: *24V DC - 24W/m - 1980Lm/m*

LLT15-PT90: *24V DC - 36W/m - 2970Lm/m*

DMX Big TopLED

LLT15-X30: *24V DC - 8,4W/m - 20cm/pixel*

LLT15-X45: *24V DC - 12,6W/m - 13cm/pixel*

APPLICATION AREAS

This tube shaped luminaire is utilised for indoor venues such as offices, receptions and libraries. The decorative luminaire which can be applied by hanging on the ceiling.
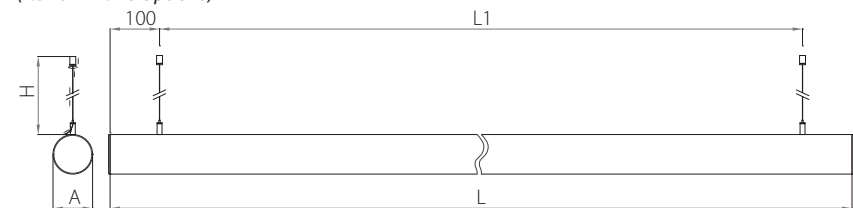
ELECTROMECHANICAL SPECIFICATIONS — LLT15-P-C

- UV-protective Polycarbonate or plexiglass body
- Plexiglass side cover
- Can be manufactured in 2 meter parts at the most.

PCB & LED SPECIFICATIONS — LLT15-**P**-C

The LEDLine options, used within the profile, are selected according to the cooling capacity of the product.
(P.S Luminaire Options)

A= 15cm - 20cm

LIGHT COLOUR OPTIONS — LLT15-P-**C**

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

Protection Class: IP44

Lifetime: 50.000 hours
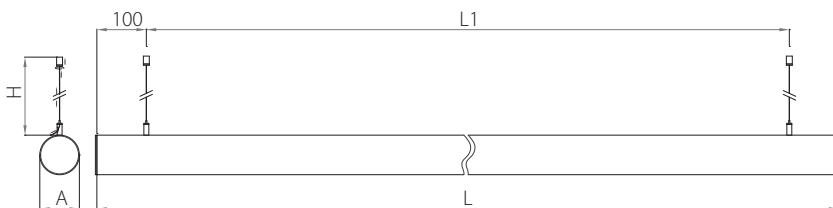
DecoPendant Luminaires
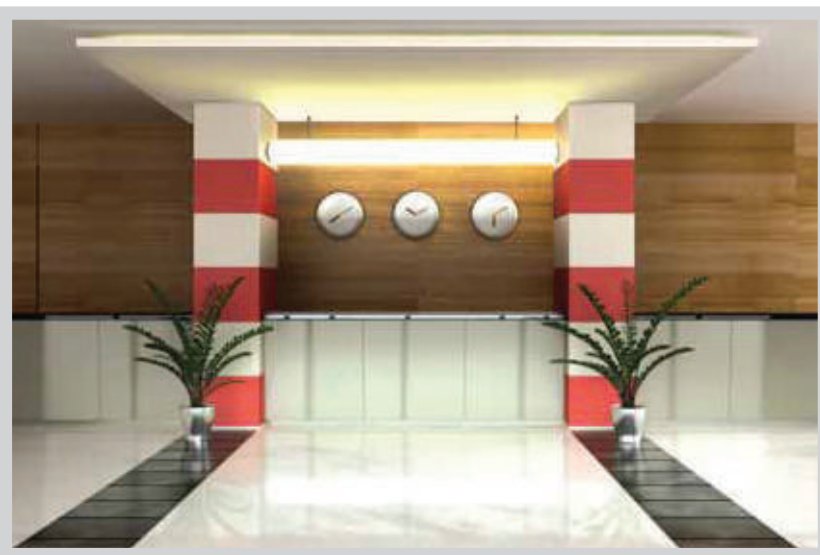
DecoPendant LLT15

MOUNTING

The luminaires are mounted on the ceiling with hanging brackets.

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX1 - *DMX Control, 1 adress*

DALI - *DALI Control*

0-10V DC - *Analog 0-10V DC Control*

TRC - *TRIAC Control*

COLOR CONTROL OPTIONS

UKR - *RF Remote Control*

PWM - *PWM Control*

DMX - *DMX Control, 1 adress*

DMX - *DMX Control, 3-4 adress*

Beehive

Cylinder shaped luminaire

PRODUCT CODE EXPENSION

Güç / Power / Watt
Voltaj / Voltage
Işık rengi / Light Color
Lens&Optik / Lens&Optic

Beehive -W-V-C-O

Beehive LUMINAIRE OPTIONS

Beehive 12-24V DC

Beehive 6:	*12-24V-6 LEDs-7,5W- 960Lm*
Beehive 6:	*12-24V-6 LEDs-11,5W- 1.440Lm*
Beehive 9:	*12-24V-9 LEDs-16,5W- 1.890Lm*

Beehive 220V AC

W

Beehive 6-35:	*220V-6 LEDs-8W- 960Lm*
Beehive 6-50:	*220V-6 LEDs-11,5W- 1260Lm*
Beehive 6-70:	*220V-6 LEDs-16W- 1680Lm*
Beehive 9-35:	*220V-9 LEDs-11,5W- 1.890Lm*
Beehive 9-50:	*220V-9 LEDs- 17W- 2.520Lm*

APPLICATION AREAS

This cylinder shaped luminaire is utilised for indoor venues such as shopping malls. The decorative luminaire mounted by hanging on the ceiling and easily applied.

ELECTROMECHANICAL SPECIFICATIONS   Beehive-W-V-C-O

- UV-protective Polycarbonate or plexiglass body
- Plexiglass side cover
- Can be manufactured in 2 meter parts at the most.

VOLTAGE OPTIONS   Beehive-W-**V**-C-O

Mono colour luminaires are designed to be operative at 220V AC, as standard however, if required, they can also be produced as 24V DC-supplied, compatible with the product.

VOLTAGE OPTIONS	
V	**24V -** *24V DC*
	220V - *220V AC*

LIGHT COLOUR OPTIONS   Beehive-W-V-**C**-O

C		**C**	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *RGB*		**B:** *Blue - 465nm*	

LENS OPTIONS   Beehive-W-V-C-**O**

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*
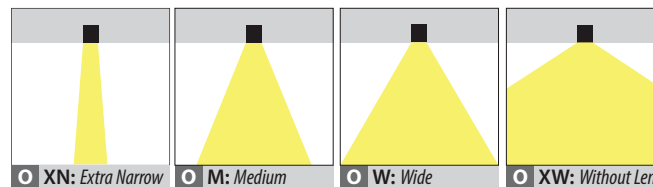
BODY SPECIFICATIONS

The decorative ring of which can be manufactured in different colours.

Protection Class: IP20
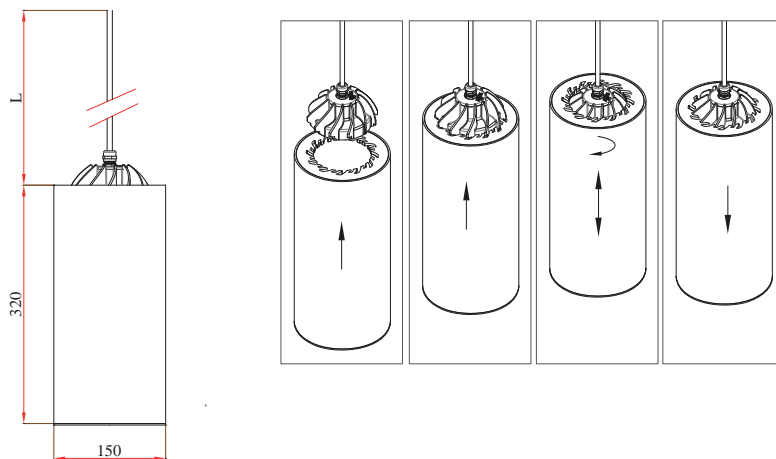
Lifetime: 50.000 hours

DecoPendant Beehive

MOUNTING

The luminaires are mounted on the ceiling with hanging brackets.

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

Fiberli

• CromaDown®

CromaDown series enable a flawless integrity with the interior ceilings. These luminaires render a high energy conservation by virtue of their low power consumption. They are particularly utilized for general lighting of venues such as offices, stores, universities, hospitals and museums. They provide compatible lighting solutions to every project with high-quality and elegant body designs, diverse sizes and light angles.

CDAW	CD66	CD69	CD72	CDA
CD7AT	CDK	CDP3	CDP5	CDSH1
CDS1	CD500	CDMS	CD1	QR111A
CDMR16	CDFA	CD5	CDRB150	CDPB175
CDPB300	CDLP	PNL Clip In	PNL Lay On	PNL Surface
CD13				

Downlight Products

CDAW | CromaDown AW

CromaDown AW has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

CDK | CromaDown K

CromaDown K has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

CD66 | CromaDown 66

CromaDown 66 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

CDP3 | CromaDown P3

CromaDown Pro3 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

CD69 | CromaDown 69

CromaDown 69 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

CDP5 | CromaDown P5

CromaDown Pro5 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

CD72 | CromaDown 72

CromaDown 72 is a recessed luminaire, which features a square-shaped design and is capable of spotlight-effect light distribution.

CDA | CromaDown A

CromaDown A is a recessed luminaire, which features a square-shaped design and is capable of spotlight-effect light distribution.

CDSH1 | CromaDown SH1

CromaDown SH1 is a recessed luminaire, designed to enable to point the light in different directions. The rotatable structure within the luminaire housing provides the flexibility in pointing the light to the desired spot. Offers comfortable, dynamic and effective lighting with its square design. Procures functional lighting solutions in venues such as stores, galleries, charcuteries and showrooms.

CD7AT | CromaDown 7AT

CromaDown 7AT has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

CDS1 | CromaDown S1

CromaDown S1 is a recessed luminaire, which features a square-shaped design and is capable of spotlight-effect light distribution.

Downlight Products

CD500 | CromaDown 500

CromaDown 500 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

CDMS | CromaDown MS

CromaDown MobSpot is a luminaire, designed to be used on furniture materials. It is also used on kitchen, bedroom and living room furnitures as well as for shelving units and shop windows.

CD1 | CromaDown 1

CromaDown 1 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

QR111A | CromaDown QR111A

CromaDown QR111A is a luminaire desgined as an alternative to the Halogen AR111 spotlight. It is much more efficient than the conventional AR111 spotlight. Additionally, they minimise the maintenance cost by means of their long lifetime.

CDMR16 | CromaDown MR16

CromaDown MR16 is a recessed luminaire, which offers fixed or rotatable body options.

CDFA | CromaDown FA

CromaDown FA is a luminaire designed for high-bay venues. It is resistant to possible impacts and explosion risks. The polycarbonate cover prevents dust, oil and pest accumulation. By means of its custom reflector, this luminaire prevents discomfort glare in the eyes by concentrating the light underneath.
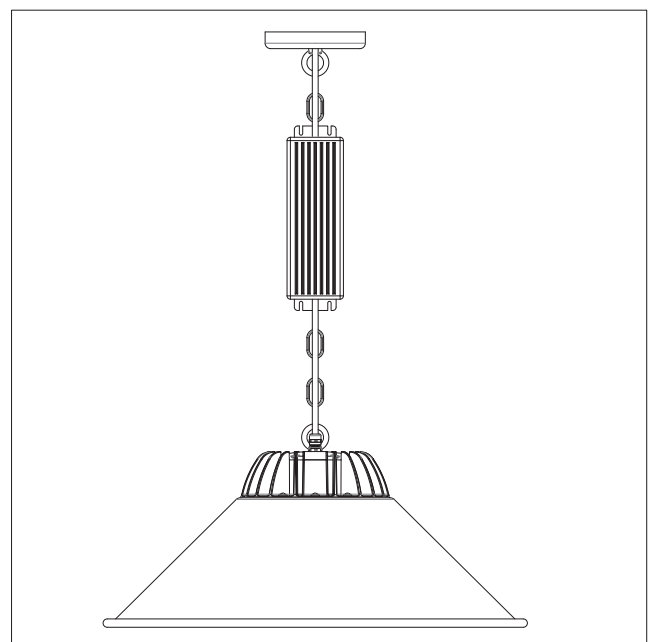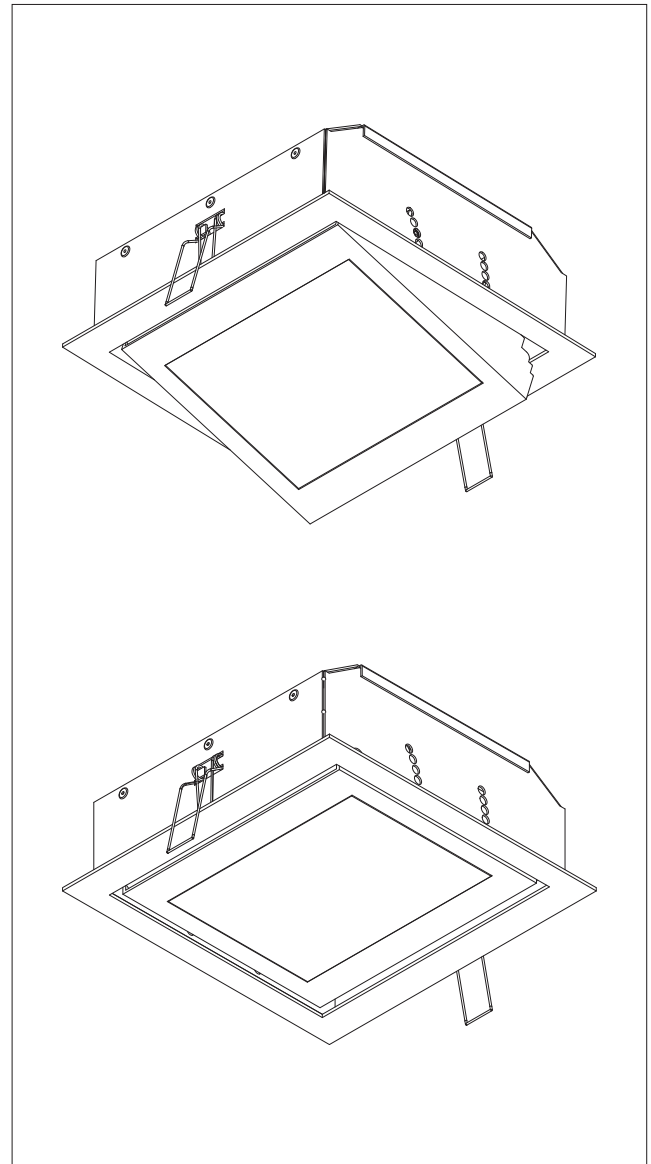
Downlight Products

CD5 | CromaDown 5

CromaDown 5 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

CDRB150 | CromaDown CDRLB150

RollBeehive150 is a surface-mounted luminaire, with a cylinder-shaped design. This cylinder-shaped luminaire is used in venues such as galleries, stores, showrooms, restaurants, halls and foyers.

CDRB175 | CromaDown CDRLB175

RollBeehive175 is a surface-mounted luminaire, with a cylinder-shaped design. This cylinder-shaped luminaire is used in venues such as galleries, stores, showrooms, restaurants, halls and foyers.

CDRB300 | CromaDown CDRLB300

RollBeehive300 is a surface-mounted luminaire, with a cylinder-shaped design. This cylinder-shaped luminaire is used in venues such as galleries, stores, showrooms, restaurants, halls and foyers.

CDLP | CromaDown LP

CromaDown LP is a luminaire offering fixed and rotatable head options. It can directly be mounted on the ceiling, fixed or rotatable stand. Thanks to its rotatable head, it is possible to divert the light to the desired spot. This luminaire is particularly used for jewellery and watch store windows, museum display cases and art exhibitions.

CD13 | CromaDown 13

CromaDown 13 has been designed to be used for jewellery and watch store windows, museum display cases and art exhibitions. This luminaire, with its local lighting, elevates the fascination towards the exhibited objects, by accentuating their aesthetic details. It generates a luminous passage on the exhibited object by directing lights in different colours to different areas with its rotating head.
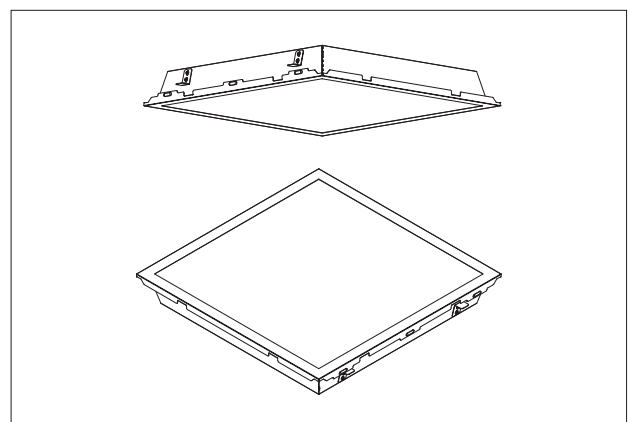
PNLC | CromaDown PNL CLIP IN

PNL Clip In is a recessed luminaire, produced as an alternative for 4x18 watt fluorescent luminaire. This luminaire replaces the fluorescent lamps due to its energy conservation, long lifetime and high colour rendering. A homogeneous lighting is achieved as the diodes, used for this luminaire, are closely positioned to each other. Furthermore, these luminaires can easily be mounted on suspended ceiling applications, through its practical type of mounting. Particularly used in venues such as offices, hospitals and general stores.

PNLL | CromaDown PNL LAY ON

PNL Lay On is a recessed luminaire, produced as an alternative for 4x18 watt fluorescent luminaire. This luminaire replaces the fluorescent lamps due to its energy conservation, long lifetime and high colour rendering. A homogeneous lighting is achieved as the diodes, used for this luminaire, are closely positioned to each other. Furthermore, these luminaires can easily be mounted on suspended ceiling applications, through its practical type of mounting. Particularly used in venues such as offices, hospitals and general stores.

PNLS | CromaDown PNL SURFACE

PNL Surface is a recessed luminaire, produced as an alternative for 4x18 watt fluorescent luminaire. This luminaire replaces the fluorescent lamps due to its energy conservation, long lifetime and high colour rendering. A homogeneous lighting is achieved as the diodes, used for this luminaire, are closely positioned to each other. Furthermore, these luminaires can easily be mounted on suspended ceiling applications, through its practical type of mounting. Particularly used in venues such as offices, hospitals and general stores.

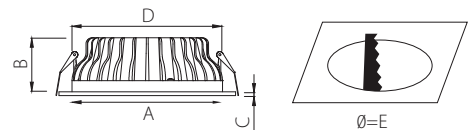## CromaDown AW   CDAW
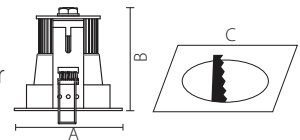
Recessed downlight

APPLICATION AREAS

CromaDown AW has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.
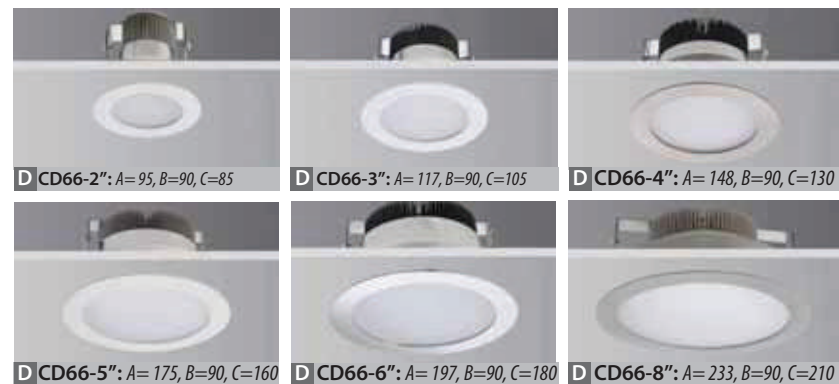
ELECTROMECHANICAL SPECIFICATIONS CDAW-D-V-C-G

- Aluminium injection body
- Electrostatic powder coated
- Polycarbonate luminaire glass

Ø=E

PRODUCT CODE EXTENSION

Ebatlar / Dimensions
Voltaj / Voltage
Işık rengi / Light Color
Gövde rengi / Body color

CDAW-**D**-**V**-**C**-**G**

CDAW 220V AC

CDAW: *4"- Ø85 - 10W - 864Lm*	
CDAW: *6"- Ø120 -16W - 1.300Lm*	
CDAW: *8"- Ø165 - 20W - 1.750Lm*	
CDAW: *10"- Ø200 - 25W - 2.200Lm*	

CDAW 220V AC DOB

CDAW: *4"- Ø85 - 5W - 350Lm*	
CDAW: *4"- Ø85 - 9W - 700Lm*	
CDAW: *6"- Ø120 - 9W - 700Lm*	
CDAW: *6"- Ø120 - 13W - 1.050Lm*	
CDAW: *8"- Ø165 -13W - 1.050Lm*	
CDAW: *8"- Ø165 - 18W - 1.400Lm*	
CDAW: *10"- Ø200 -18W - 1.400Lm*	

* The given lumen outputs are for "Cool White LED".

DIMENSIONS   CDAW-**D**-V-C-G

D CDAW4: *A=107 - B=25 - C=3,5 - D=85 - E=95*	**D CDAW6:** *A=145 - B=61 - C=4 - D=120 - E=130*
D CDAW8: *A=195 - B=61 - C=4 - D=165 - E=175*	**D CDAW10:** *A=224 - B=61 - C=4 - D=200 - E=210*

VOLTAGE OPTIONS   CDAW-D-**V**-C-G

- Luminaires are designed to be operative at 220V AC, as standard.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.

VOLTAGE OPTIONS	
V	**AC -** *220V AC*
	DOB* - *220V AC*

*Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS   CDAW-D-V-**C**-G

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

BODY COLOUR OPTIONS   CDAW-D-V-C-**G**

The luminaires are produced in black, white and grey, as standard. The RAL code must be specified for custom colours.

G W: *White*	**G G:** *Grey*	**G B:** *Black*

Protection Class: IP40

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

CromaDown AW

MOUNTING

Luminaires can be recessedly mounted on suspended ceiling.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - *DALI Control**
0-10V DC - *Analog 0-10V DC Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Downlight Products

CromaDown 66 — CD66

Recessed downlight

APPLICATION AREAS

CromaDown 66 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

ELECTROMECHANICAL SPECIFICATIONS — CD66-D-V-C-G

- Electrostatic powder coated body
- Aluminium rear cooler
- Luminous transmittance high opal white diffuser

DIMENSIONS — CD66-**D**-V-C-G

D **CD66-2":** A= 95, B=90, C=85
D **CD66-3":** A= 117, B=90, C=105
D **CD66-4":** A= 148, B=90, C=130
D **CD66-5":** A= 175, B=90, C=160
D **CD66-6":** A= 197, B=90, C=180
D **CD66-8":** A= 233, B=90, C=210

VOLTAGE OPTIONS — CD66-D-**V**-C-G

- Luminaires are designed to be operative at 220V AC, as standard.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.

VOLTAGE OPTIONS	
V	**AC -** 220V AC
	DOB* - 220V AC

Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS — CD66-D-V-**C**-G

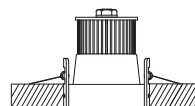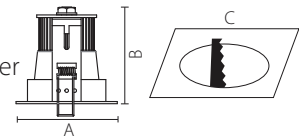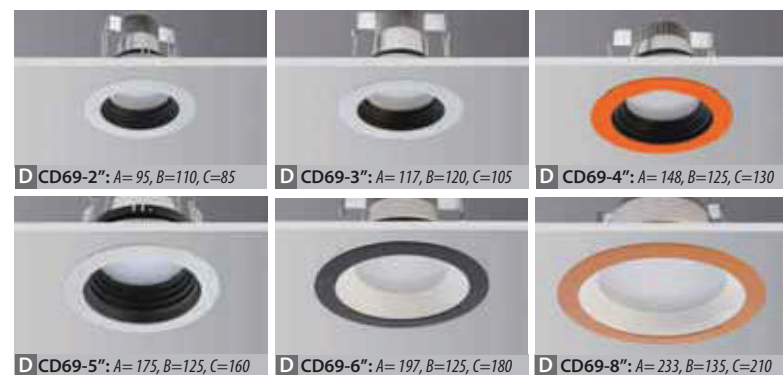| C	**CW:** Cold White - 4.700K-9.500K
	NW: Natural White - 3.700K-4.700K
	WW: Warm White - 2.700K-3.700K

BODY COLOUR OPTIONS — CD66-D-V-C-**G**

The luminaires are produced in black, white and grey, as standard. The RAL code must be specified for custom colours.
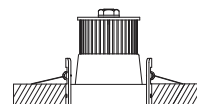
G **W:** White G **B:** Black G **G:** Grey G **S:** Special

MOUNTING

Luminaires can be recessedly mounted to the holes, drilled on suspended ceiling, with latches.

PRODUCT CODE EXTENSION

CD66-**D**-**V**-**C**-**G**
Ebatlar / Dimensions / Voltaj / Voltage / Işık rengi / Light Color / Gövde rengi / Body color

CD66 220V AC

CD66:	2"- Ø85-4,5W-440 Lm*
CD66:	3"- Ø105-6W-590 Lm*
CD66:	4"- Ø130-9W-890 Lm*
CD66:	5"- Ø160-12,5W-1.225 Lm*
CD66:	6"- Ø180-23W-2.254 Lm*
CD66:	8"- Ø210-28W-2.744 Lm*

CD66 220V AC DOB

CD66:	2"- Ø85-5W-350 Lm*
CD66:	4"- Ø130-9W-700 Lm*
CD66:	5"- Ø160-13W-1.190 Lm*
CD66:	6"- Ø180-18W-1.390 Lm*
CD66:	8"- Ø210-18W-1.700 Lm*

* The given lumen outputs are for "Cool White LED".

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - DALI Control*
0-10V DC - Analog 0-10V DC Control*
TRC - TRIAC Control*

EMERGENCY KIT OPTIONS
A1 - 1-hour emergency lighting kit*
A3 - 3-hours emergency lighting kit*

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Protection Class: IP44
Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

CromaDown 69   CD69

Recessed downlight

PRODUCT CODE EXTENSION

Ebatlar / Dimensions
Voltaj / Voltage
Işık rengi / Light Color
Gövde rengi / Body color

CD69-**D**-**V**-**C**-**G**

CD69 220V AC

CD69:	2"- Ø85-4,5W-440 Lm*
CD69:	3"- Ø105-6W-590 Lm*
CD69:	4"- Ø130-9W-890 Lm*
CD69:	5"- Ø160-12,5W-1.225 Lm*
CD69:	6"- Ø180-23W-2.254 Lm*
CD69:	8"- Ø210-28W-2.744 Lm*

CD69 220V AC DOB

CD69:	2"- Ø85-5W-350 Lm*
CD69:	4"- Ø130-9W-700 Lm*
CD69:	5"- Ø160-13W-1.190 Lm*
CD69:	6"- Ø180-18W-1.390 Lm*
CD69:	8"- Ø210-18W-1.700 Lm*

* The given lumen outputs are for "Cool White LED".

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - *DALI Control**
0-10V DC - *Analog 0-10V DC Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Protection Class: IP44

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

APPLICATION AREAS

CromaDown 69 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

ELECTROMECHANICAL SPECIFICATIONS   CD69-D-V-C-G

- Electrostatic powder coated body
- Aluminium rear cooler
- Luminous transmittance high opal white diffuser

DIMENSIONS   CD69-**D**-V-C-G

D CD69-2": A= 95, B=110, C=85	**D** CD69-3": A= 117, B=120, C=105	**D** CD69-4": A= 148, B=125, C=130
D CD69-5": A= 175, B=125, C=160	**D** CD69-6": A= 197, B=125, C=180	**D** CD69-8": A= 233, B=135, C=210

VOLTAGE OPTIONS   CD69-D-**V**-C-G

- Luminaires are designed to be operative at 220V AC, as standard.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.

VOLTAGE OPTIONS	
V	**AC -** *220V AC*
	DOB* - *220V AC*

*Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS   CD69-D-V-**C**-G

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

BODY COLOUR OPTIONS   CD69-D-V-C-**G**

The luminaires are produced in black, white and grey, as standard. The RAL code must be specified for custom colours.

REFLECTOR COLOUR OPTIONS

G W: *White*	**G** B: *Black*	**G** G: *Grey*	**G** S: *Special*	**G** B: *Black*	**G** W: *White*

### MOUNTING

Luminaires can be recessedly mounted to the holes, drilled on suspended ceiling, with latches.

PRODUCT CODE EXTENSION

Ebatlar / Dimensions
Voltaj / Voltage
Işık rengi / Light Color
Gövde rengi / Body color

CD72-**D**-**V**-**C**-**G**

CD72 220V AC

CD72:	*2"-Ø85-4,5W-440 Lm**
CD72:	*3"-Ø105-6W-590 Lm**
CD72:	*4"-Ø130-9W-890 Lm**
CD72:	*5"-Ø160-12,5W-1.225 Lm**
CD72:	*6"-Ø180-23W-2.254 Lm**
CD72:	*8"-Ø210-28W-2.744 Lm**

CD72 DOB

CD72:	*2"- Ø85-5W-350 Lm**
CD72:	*4"- Ø130-9W-700 Lm**
CD72:	*5"- Ø160-13W-1.190 Lm**
CD72:	*6"- Ø180-18W-1.390 Lm**
CD72:	*8"- Ø210-18W-1.700 Lm**

* The given lumen outputs are for "Cool White LED".

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - *DALI Control**
0-10V DC - *Analog 0-10V DC Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Protection Class: IP44

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

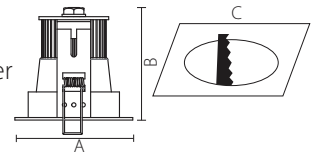---

CromaDown 72 — CD72

Square downlight

APPLICATION AREAS

CromaDown 72 is a recessed luminaire, which features a square-shaped design and is capable of spotlight-effect light distribution.

ELECTROMECHANICAL SPECIFICATIONS — CD72-D-V-C-G

- Electrostatic powder coated body
- Aluminium rear cooler
- Luminous transmittance high opal white diffuser
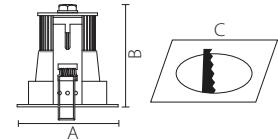
DIMENSIONS — CD72-**D**-V-C-G

D CD72-2": *A=94x94, B=110, C=85*	**D CD72-3":** *A=117x117, B=120, C=105*	**D CD72-4":** *A=148x148, B=125, C=130*
D CD72-5": *A=174x174, B=125, C=160*	**D CD72-6":** *A=196x196, B=125, C=180*	**D CD72-8":** *A=233x233, B=135, C=210*

VOLTAGE OPTIONS — CD72-D-**V**-C-G

- Luminaires are designed to be operative at 220V AC, as standard.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.

VOLTAGE OPTIONS	
V	**AC -** *220V AC*
	DOB* - *220V AC*

*Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS — CD72-D-V-**C**-G

| **C**	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

BODY COLOUR OPTIONS — CD72-D-V-C-**G**

The luminaires are produced in black, white and grey, as standard. The RAL code must be specified for custom colours.
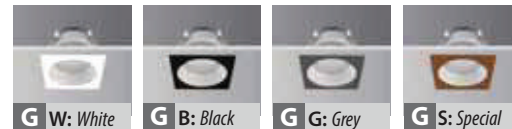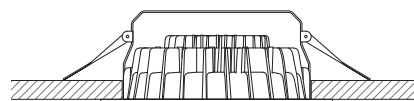
G W: *White*	**G** B: *Black*	**G** G: *Grey*	**G** S: *Special*

REFLECTOR COLOUR OPTIONS

G B: *Black*	**G** W: *White*

MOUNTING

Luminaires can be recessedly mounted to the holes, drilled on suspended ceiling, with latches.

CromaDown A **CDA**

Square downlight
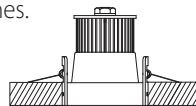
PRODUCT CODE EXTENSION

CDA-**D**-**V**-**C**-**G**

Ebatlar / Dimensions
Voltaj / Voltage
Işık rengi / Light Color
Gövde rengi / Body color

CDA 220V AC

CDA10: 4,5W-440 Lm*	
CDA12: 6W-590 Lm*	
CDA15: 9W-890 Lm*	
CDA18: 12,5W-1.225 Lm*	
CDA22: 123W-2.254 Lm*	
CDA30: 28W-2.744 Lm*	

CDA DOB

CDA10: 5W-350 Lm*	
CDA15: 9W-700 Lm*	
CDA18: 13W-1.190 Lm*	
CDA22: 18W-1.390 Lm*	
CDA30: 18W-1.700 Lm*	

* The given lumen outputs are for "Cool White LED".

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

DALI - *DALI Control**

0-10V DC - *Analog 0-10V DC Control**

TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS

A1 - *1-hour emergency lighting kit**

A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Protection Class: IP44

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

APPLICATION AREAS

CromaDown A, is a recessed luminaire, which features a square-shaped design and is capable of spotlight-effect light distribution.

ELECTROMECHANICAL SPECIFICATIONS **CDA**-D-V-C-G

- Electrostatic powder coated body
- Aluminium rear cooler
- Luminous transmittance high opal white diffuser

DIMENSIONS CDA-**D**-V-C-G

D CDA10: *A=94x94, B=90, C=85*
D CDA12: *A=117x117, B=90, C=105*
D CDA15: *A=148x148, B=90, C=130*
D CDA18: *A=174x174, B=90, C=160*
D CDA22: *A=196x196, B=95, C=180*
D CDA30: *A=233x233, B=95, C=210*

VOLTAGE OPTIONS CDA-D-**V**-C-G

- Luminaires are designed to be operative at 220V AC, as standard.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.

VOLTAGE OPTIONS	
V	**AC -** *220V AC*
	DOB* - *220V AC*

*Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS CDA-D-V-**C**-G

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

BODY COLOUR OPTIONS CDA-D-V-C-**G**

The luminaires are produced in black, white and grey, as standard. The RAL code must be specified for custom colours.

G W: *White*   **G B:** *Black*   **G G:** *Grey*   **G S:** *Special*

MOUNTING

Luminaires can be recessedly mounted to the holes, drilled on suspended ceiling, with latches.
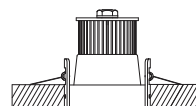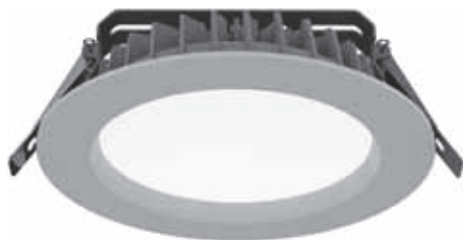
PRODUCT CODE EXTENSION

Işık rengi / Light Color
Gövde rengi / Body color

CD7AT-**C**-**G**

CD7AT 220V AC

CD7AT: *220V AC - 18LEDs -25W - 2.400 Lm*

* The given lumen outputs are for "Cool White LED".


CromaDown 7AT — CD7AT

7" downlight spot

APPLICATION AREAS

CromaDown 7AT, 66 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

ELECTROMECHANICAL SPECIFICATIONS — CD7AT-C-G

- Aluminium injection body
- Electrostatic powder coated body
- Polycarbonate luminaire glass

150
185
130
70
50
185
Ø151
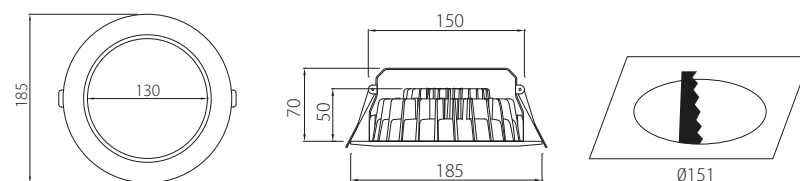
VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

LIGHT COLOUR OPTIONS — CD7AT-**C**-G

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

BODY COLOUR OPTIONS — CD7AT-C-**G**

The luminaires are produced in black, white and grey, as standard. The RAL code must be specified for custom colours.

| **G** W: *White* | **G** G: *Grey* | **G** B: *Black* |

MOUNTING

Luminaires can be recessedly mounted on suspended ceiling.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

| **DALI -** *DALI Control** |
| **0-10V DC -** *Analog 0-10V DC Control** |
| **TRC -** *TRIAC Control** |

EMERGENCY KIT OPTIONS

| **A1 -** *1-hour emergency lighting kit** |
| **A3 -** *3-hours emergency lighting kit** |

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Protection Class: IP44

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

PRODUCT CODE EXTENSION

Işık rengi / Light Color

CDK-C

CDK 220V AC

CDK: *220V AC - 12,5W - 900 Lm*

* The given lumen outputs are for "Cool White LED".

CromaDown K   CDK

Recessed downlight

APPLICATION AREAS

CromaDown K has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

ELECTROMECHANICAL SPECIFICATIONS   CDK-C

- Aluminium injection body
- Electrostatic powder coated body
- Stainless steel product frame

Ø106   102   184   Ø165
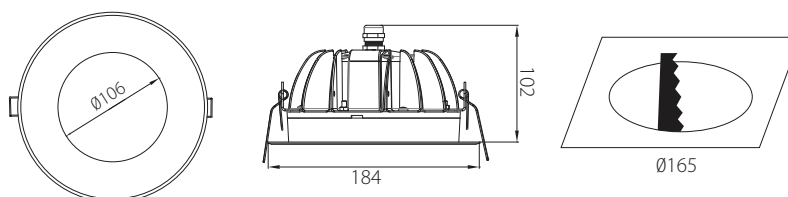
VOLTAGE OPTIONS

The luminaires have been designed to operate with constant current power supply with 200V AC, as standard.

LIGHT COLOUR OPTIONS   CDK-**C**

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

MOUNTING

Luminaires can be recessedly mounted on suspended ceiling.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - *DALI Control**
0-10V DC - *Analog 0-10V DC Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Protection Class: IP66

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

Fiberli *Contemporary illuminating technics...*

LED LIGHT CE

PRODUCT CODE EXTENSION

Voltaj / *Voltage*
Işık rengi / *Light Color*
Lens&Optik / *Lens&Optic*
Gövde rengi / *Body color*
Gövde materyali / *Body material*

CDP3- **V** - **C** - **O** - **G** - **B**

CDP3 220V AC

CDP3: *9 LEDs - 12W - 1.440 Lm**	
CDP3: *9 LEDs - 16,5W - 1.890 Lm**	
CDP3: *9 LEDs - 23W - 2.520 Lm**	

CDP3 12-24V DC

CDP3: *9 LEDs - 11W - 1.440 Lm**	
CDP3: *9 LEDs - 16W - 1.890 Lm**	
CDP3: *9 LEDs - 22W - 2.520 Lm**	

* The given lumen outputs are for "Cool White LED".

Protection Class: IP40/IP65

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

Downlight Products

CromaDown Pro3   CDP3

Recessed downlight

APPLICATION AREAS

CromaDown Pro3, is a recessed luminaire, designed to enable to point the light in different directions. The rotatable structure within the luminaire housing provides the flexibility in pointing the light to the desired spot. Offers comfortable, dynamic and effective lighting with its square design. Procures functional lighting solutions in venues such as stores, galleries, charcuteries and showrooms.

ELECTROMECHANICAL SPECIFICATIONS   CDP3-V-C-O-G-B

- Aluminium injection body
- Electrostatic powder coated body
- Polycarbonate group lens

184   170   119   102
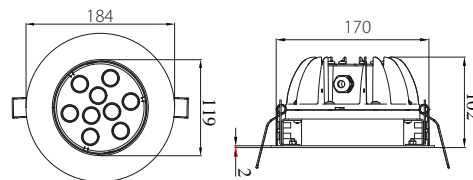
VOLTAGE OPTIONS   CDP3-**V**-C-O-G-B

- Mono colour luminaires are designed to be operative at 220V AC, as standard however, if required, they can also be produced as DC-supplied, compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.

VOLTAGE OPTIONS	
V	**DC -** *12-24V*
	AC - *220V AC*

LIGHT COLOUR OPTIONS   CDP3-V-**C**-O-G-B

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS   CDP3-V-C-**O**-G-B

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*

CromaDown Pro 3

BODY COLOUR OPTIONS
CDP3-V-C-O-**G**-B

| **G** W: *White* | **G** G: *Grey* | **G** B: *Black* |

BODY MATERIAL
CDP3-V-C-O-G-**B**

B S: *Fixed*

B DS: *Deep fixed*

B DH: *Deep Moving*

B DGH: *Deep Flush Moving*

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

| DIMMER OPTIONS |
| --- |
| **DALI -** *DALI Control** |
| **0-10V DC -** *Analog 0-10V DC Control** |
| **TRC** - *TRIAC Control** |

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

CromaDown Pro 5   CDP5

Recessed downlight

PRODUCT CODE EXTENSION

CDP5- V - C - O - G - B

*Voltaj / **V**oltage*
*Işık rengi / Light **C**olor*
*Lens&Optik / Lens&**O**ptic*
Gövde rengi / Body color
*Gövde materyali / **B**ody material*

CDP5 220V AC

CDP5:	*18 LEDs - 25W- 2.880Lm**
CDP5:	*18 LEDs - 36W- 3.780Lm**
CDP5:	*18 LEDs - 45W- 5.040Lm**

CDP5 12-24V DC

CDP5:	*18 LEDs - 23W - 2.880 Lm**

* The given lumen outputs are for "Cool White LED".

APPLICATION AREAS

CromaDown Pro5, is a recessed luminaire, designed to enable to point the light in different directions. The rotatable structure within the luminaire housing provides the flexibility in pointing the light to the desired spot. Offers comfortable, dynamic and effective lighting with its square design. Procures functional lighting solutions in venues such as stores, galleries, charcuteries and showrooms.

ELECTROMECHANICAL SPECIFICATIONS   CDP5-V-C-O-G-B

- Aluminium injection body
- Electrostatic powder coated body
- Polycarbonate group lens
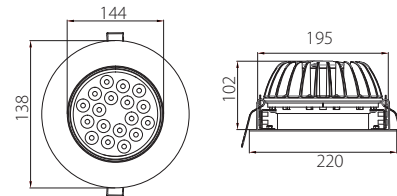
VOLTAGE OPTIONS   CDP5-**V**-C-O-G-B

- Mono colour luminaires are designed to be operative at 220V AC, as standard however, if required, they can also be produced as DC-supplied, compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.

VOLTAGE OPTIONS	
V	**DC -** *12-24V*
	AC - *220V AC*

LIGHT COLOUR OPTIONS   CDP5-V-**C**-O-G-B

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS   CDP5-V-C-**O**-G-B
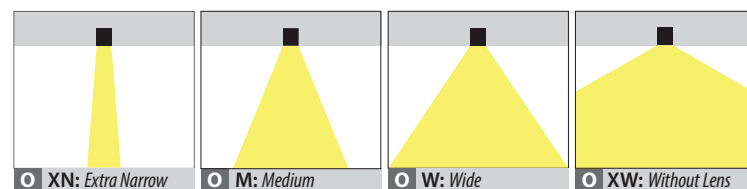
O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*

Protection Class: IP40/IP65

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

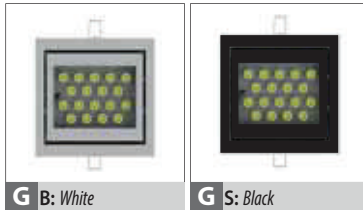*The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.*

CromaDown Pro 5

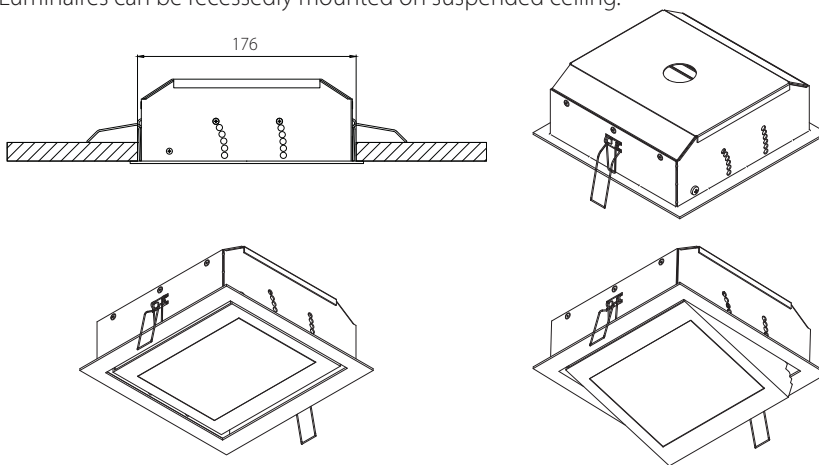### BODY COLOUR OPTIONS

CDP5-V-C-O-**G**-B

G W: *White*	**G** G: *Grey*	**G** B: *Black*

BODY MATERIAL

CDP5-V-C-O-G-**B**

B S: *Fixed*

B DS: *Deep fixed*

B DH: *Deep Moving*

B DGH: *Deep Flush Moving*

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - *DALI Control**
0-10V DC - *Analog 0-10V DC Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

195 · 79,5 · 195 · 15 - 20

195 · 106 · 195 · 15 - 20

195 · 102 · 220 · 195 · 15 - 20

195 · 102 · 15 · 144 · 169,28 · 96,8 · 146 · 20°
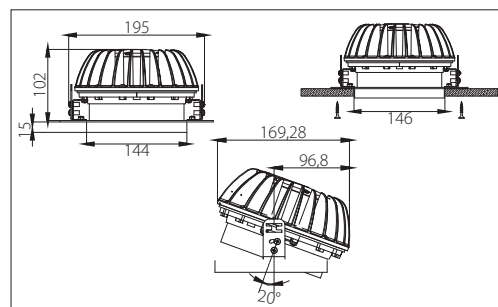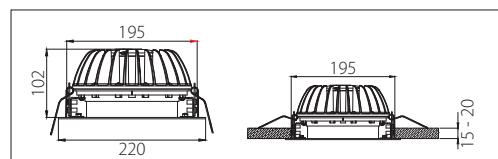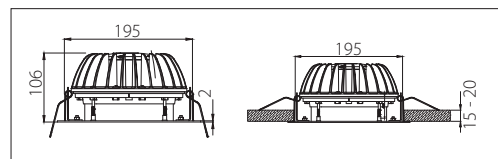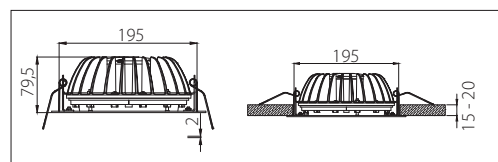
CromaDown SH1 — CDSH1

Recessed downlight

PRODUCT CODE EXTENSION

Voltaj / Voltage
Işık rengi / Light Color
Lens&Optik / Lens&Optic
Gövde materyali / Body material

CDSH1-**V**-**C**-**O**-**G**

CDSH1

CDSH118:	*18 LEDs-25W -2.880Lm*
CDSH118-RGB:	*18 LEDs-25W*
CDSH1-XRGB:	*18 LEDs-25W*

APPLICATION AREAS

CromaDown SH1 is a recessed luminaire, designed to enable to point the light in different directions. The rotatable structure within the luminaire housing provides the flexibility in pointing the light to the desired spot. Offers comfortable, dynamic and effective lighting with its square design. Procures functional lighting solutions in venues such as stores, galleries, charcuteries and showrooms.

ELECTROMECHANICAL SPECIFICATIONS   CDSH1-V-C-O-G

- Anodized aluminium housing
- Electrostatic powder coated
- Polycarbonate luminaire glass

170   170   188   188   37°   37°
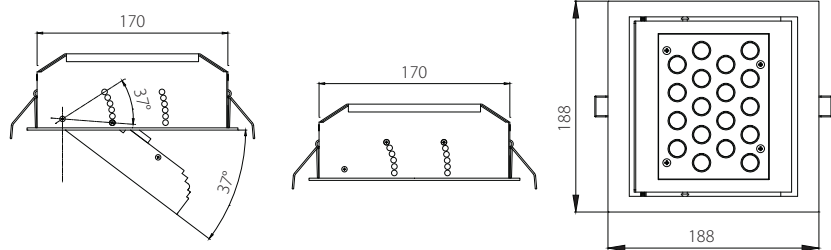
*All of the measurements for LEDLine product groups are in mm.

VOLTAGE OPTIONS   CDSH1-**V**-C-O-G

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
V	**24V -** *24V DC*
	220V - *220V AC*

LIGHT COLOUR OPTIONS   CDSH1-V-**C**-O-G

C	**CW:** *Cold White - 4.700K-9.500K*	**C**	**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*
	F: *RGB*		**B:** *Blue - 465nm*

LENS OPTIONS   CDSH1-V-C-**O**-G

| **O** XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*

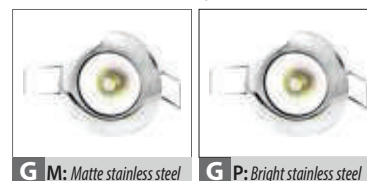*Protection Class: IP44*

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.
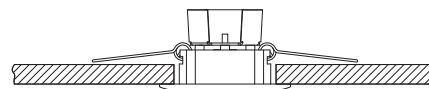
CromaDown SH1

BODY COLOUR OPTIONS

CDSH1-V-C-O-**G**

| **G** B: *White* | **G** S: *Black* |

MOUNTING

Luminaires can be recessedly mounted on suspended ceiling.

176

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
PWM - *PWM Control*
DMX - *DMX Control, 3-4 adress*
DMX1 - *DMX Control, 1 adress*
0-10V DC - *Analog 0-10V DC Control*
DALI - *DALI Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.
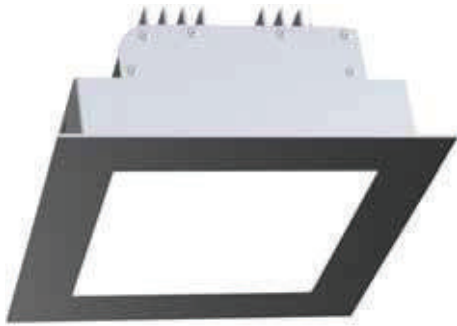
CromaDown S1   CDS1

Recessed downlight

PRODUCT CODE EXTENSION

Voltaj / Voltage
Işık rengi / Light Color
Gövde rengi / Body color

CDS1-**V**-**C**-**G**

CDS1 220V AC
CDS1: *12 LEDs - 18W- 1.920Lm**
CDS1: *18 LEDs - 25W- 2.880Lm**

CDS1 24V DC
CDS1: *18 LEDs - 25W- 2.880Lm**

* The given lumen outputs are for "Cool White LED".

Protection Class: IP44

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

APPLICATION AREAS

CromaDown S1, is a recessed luminaire, which features a square-shaped design and is capable of spotlight-effect light distribution.

ELECTROMECHANICAL SPECIFICATIONS   CDS1-V-C-G

- Aluminium body
- Aluminium front frame
- Electrostatic powder coated body
- Diffused luminaire glass

220
220
190
76
2
195x195
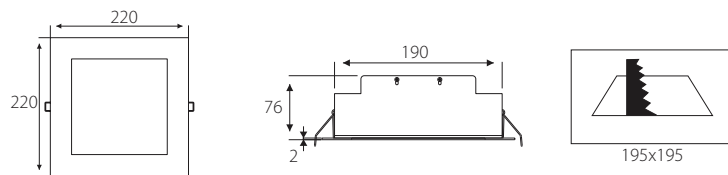
VOLTAGE OPTIONS   CDS1-**V**-C-G

The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.

VOLTAGE OPTIONS	
V	**24V -** *24V DC*
	220V - *220V AC*

LIGHT COLOUR OPTIONS   CDS1-V-**C**-G

C	**CW:** *Cold White - 4.700K-9.500K*	**C**	**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*
			B: *Blue - 465nm*

BODY COLOUR OPTIONS   CDS1-V-C-**G**
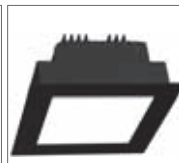
G W: *White*	**G** G: *Grey*	**G** B: *Black*	**G** Cr: *Satin stainless steel*

MOUNTING

Luminaires can be mounted to the 195x195 mm holes, drilled on the suspended ceiling voids, with springs.
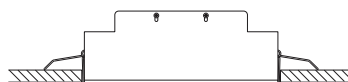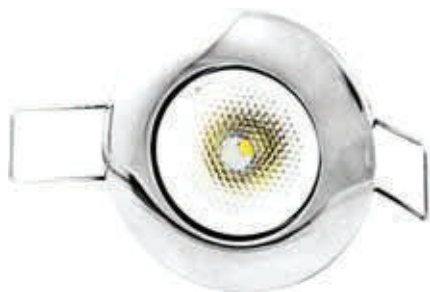
CromaDown 500 — CD500

Recessed downlight

PRODUCT CODE EXTENSION

Işık rengi / Light Color
Lens&Optik / Lens&Optic
Gövde rengi / Body color

CD500-C-O-G

CD500 220V AC

CD500: *220V AC - 1,5W - 210Lm*

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

DALI - *DALI Control**

0-10V DC - *Analog 0-10V DC Control**

TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS

A1 - *1-hour emergency lighting kit**

A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Protection Class: IP40

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

APPLICATION AREAS

CromaDown 500 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

ELECTROMECHANICAL SPECIFICATIONS — CD500-C-O-G

- Stainless steel body
- Polycarbonate luminaire glass

46 · 37 · 22 · 59 · Ø47

VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

LIGHT COLOUR OPTIONS — CD500-**C**-O-G

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
		B: *Blue - 465nm*	

LENS OPTIONS — CD500-C-**O**-G

O **N:** *Extra Narrow*   **O** **W:** *Wide*

BODY COLOUR OPTIONS — CD500-C-O-**G**

The luminaires are produced in matte stainless steel and bright stainless steel

G **M:** *Matte stainless steel*   **G** **P:** *Bright stainless steel*

MOUNTING

Luminaires can be recessedly mounted on suspended ceiling.

Fiberli Contemporary illuminating technics...

LED LIGHT CE

CromaDown MobSpot   CDMS

Furniture luminaire

APPLICATION AREAS

CromaDown MobSpot is a luminaire, designed to be used on furniture materials. It is also used on kitchen, bedroom and living room furnitures as well as for shelving units and shop windows.

ELECTROMECHANICAL SPECIFICATIONS   CDMS-C-G

- Luminaire glass can be frosted or polycarbonate.
- Luminaire outer flange, satin nickel plated aluminium.

5   14   Ø72   Ø55
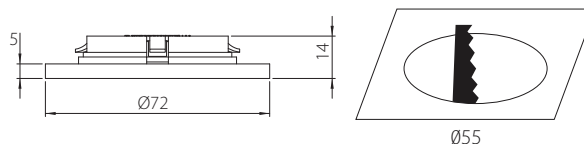
VOLTAGE SPECIFICATIONS

As standard, luminaires are designed to be operative at 24V DC and as PWM-Controlled.

LIGHT COLOUR OPTIONS   CDMS-**C**-G

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
		B: *Blue - 465nm*	

BODY COLOUR OPTIONS   CDMS-C-**G**

The luminaires are produced in black, white and grey, as standard. The RAL code must be specified for custom colours.

G W: *White*	**G** G: *Grey*	**G** B: *Black*	**G** S: *Special*
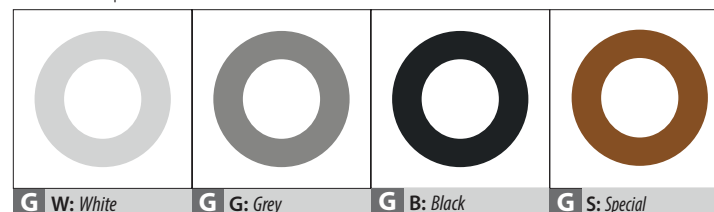
MOUNTING

Luminaires are attached to the housings, with a diameter of 55mm, opened on the surface, with latches.
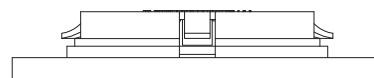
PRODUCT CODE EXTENSION

Işık rengi / Light Color   *Gövde rengi / Body color*

CDMS-C-G

CDMS 24V AC

CDMS: *1,44W - 100Lm*

Protection Class: IP44
Lifetime: 50.000 hours

Fiberli *Fiberoptic & LED Products Catalogue*   LEDLIGHT CE

PRODUCT CODE EXTENSION

CD1-**V**-**C**-**O**-**G**

Voltaj / Voltage
Işık rengi / Light Color
Lens&Optik / Lens&Optic
Gövde rengi / Body color

CD1 220V AC

CD1 P3: *220V AC - 3LEDs - 4,5W - 480 Lm*

CD1 12-24V DC

CD1 P3 RGB: *7,5V DC - 3LEDs - 7,8W*

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - *DALI Control**
0-10V DC - *Analog 0-10V DC Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Protection Class: IP20

Lifetime: 50.000 hours

CromaDown 1   CD1

Recessed downlight

APPLICATION AREAS

CromaDown 1 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

ELECTROMECHANICAL SPECIFICATIONS   CD1-V-C-O-G

- Aluminium injection body
- Electrostatic powder coated body
- Light angle can be adjusted by means of its movable head.
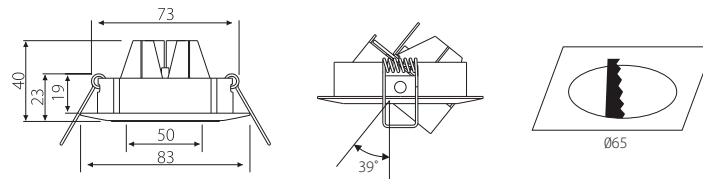
VOLTAGE OPTIONS   CD1-**V**-C-O-G

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.

VOLTAGE OPTIONS	
V	**DC -** *12-24V*
	AC - *220V AC*

LIGHT COLOUR OPTIONS   CD1-V-**C**-O-G

C	**CW:** *Cold White - 4.700K-9.500K*	**C**	**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*
			B: *Blue - 465nm*

LENS OPTIONS   CD1-V-C-**O**-G

O **M:** *Medium*   **O** **W:** *Wide*

BODY COLOUR OPTIONS   CD1-V-C-O-**G**

G **MC:** *Matte stainless steel*   **G** **PC:** *Bright stainless steel*   **G** **SN:** *Satin Nickel*   **G** **PN:** *Bright Nickel*

MOUNTING

Luminaires can be recessedly mounted on suspended ceiling.

fiberli   *Contemporary illuminating technics...*   LED LIGHT   CE

CromaDown QR111A   QR 111A

LED AR111 spot

APPLICATION AREAS

CromaDown QR111A is a luminaire desgined as an alternative to the Halogen AR111 spotlight. It is much more efficient than the conventional AR111 spotlight. Additionally, they minimise the maintenance cost by means of their long lifetime.

ELECTROMECHANICAL SPECIFICATIONS   QR111A-V-C-O-G-B-E

- Aluminium injection body
- Electrostatic powder coated body
- In standard AR111 halogen spotlight dimensions

14
10
Ø111
44
55
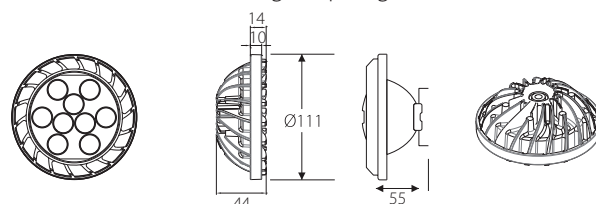
VOLTAGE OPTIONS   QR111A-**V**-C-O-G-B-E

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.

VOLTAGE OPTIONS	
V	**AC -** *220V AC*
	DOB* - *220V AC*
	24V - *24V DC*

*Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS   QR111A-V-**C**-O-G-B-E

P (PowerLED) (3535) 1W / 350mA - 3W / 700mA

C			C	
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*
				B: *Blue - 465nm*

Acrich 5050 63V 20mA

C	
	CW: *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS   QR111A-V-C-**O**-G-B-E

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*

PRODUCT CODE EXTENSION

Voltaj / Voltage *Işık rengi / Light Color* **Lens&Optik / Lens&Optic** *Gövde rengi / Body color* *Gövde materyali / Body material* **Ek parçalar / Extra parts*

QR111A-**V**-**C**-**O**-**G**-**B**-**E**

QR111A 220V AC

QR111A: *7 LEDs-8,4W-1.200 Lm*
QR111A: *9 LEDs-12,5W-1.920 Lm*
QR111A: *9 LEDs-18W- 2.760 Lm*

QR111A 220V DOB

QR111A: *9 LEDs-9W-1.200 Lm*

QR111A 24V DC

QR111A: *7 LEDs-8,4W-1.200 Lm*

* The given lumen outputs are for "Cool White LED".

Protection Class: IP20

Lifetime: 50.000 hours

CromaDown QR111A

BODY COLOUR OPTIONS

QR111A-V-C-O-**G**-B-E

The luminaires are produced in black, white and grey, as standard.

G W: *White*	**G** G: *Grey*	**G** B: *Black*

BODY MATERIAL

QR111A-V-C-O-G-**B**-E

B S: *Fixed*	**B** H: *Moving*

SUPPLEMENTARY PART OPTIONS

QR111A-V-C-O-G-B-**E**

E 0: *Standard*

E 1: *Single assembly part*	**E** 2: *Dual assembly part*	**E** 3: *Triplet assembly part*	**E** 4: *Quart assembly part*

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - *DALI Control**
0-10V DC - *Analog 0-10V DC Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

CromaDown MR16 — CDMR16

Recessed downlight MR16

PRODUCT CODE EXTENSION

CDMR16-**C**-**O**-**G**-**B**-**S**

Işık rengi / Light Color
Lens&Optik / Lens&Optic
Gövde rengi / Body color
Gövde materyali / Body material
Kontrol Sistemi / Control System

CDMR16 220V AC

CDMR16: *4LEDs - 4W - 640 Lm**

* *The given lumen outputs are for "Cool White LED".*

APPLICATION AREAS

CromaDown MR16 is a recessed luminaire, which offers fixed or rotatable body options. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

ELECTROMECHANICAL SPECIFICATIONS   CDMR16-C-O-G-B-S

- Aluminium injection body
- Electrostatic powder coated body

50   2.2   33   41,6
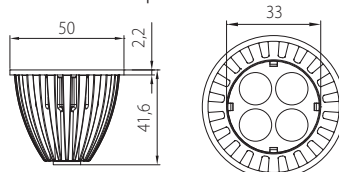
VOLTAGE OPTIONS

Luminaires are designed to be operative at 220V AC, as standard.

LIGHT COLOUR OPTIONS   CDMR16-**C**-O-G-B-S

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS   CDMR16-C-**O**-G-B-S

O **N:** *Narrow*   **O** **M:** *Medium*

BODY COLOUR OPTIONS   CDMR16-C-O-**G**-B-S

G **MC:** *Matte stainless steel*   **G** **PC:** *Bright stainless steel*   **G** **SN:** *Satin Nickel*   **G** **PN:** *Bright Nickel*
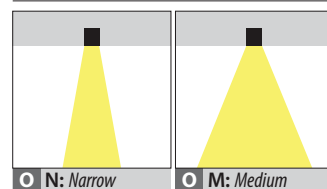
BODY MATERIAL   CDMR16-C-O-G-**B**-S
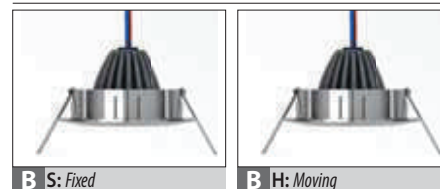
B **S:** *Fixed*   **B** **H:** *Moving*

Protection Class: IP20

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

CromaDown MR16

DRIVER OPTIONS AND CONNECTION METHOD CDMR16-C-O-G-B-**S**

S0: *Driverless (Driven with max. 350mA)*
S1: *Step Down Undimmable (12-24V) 350mA*
S2: *Step Down Analog Dimmable (1-10V) 350mA*

S3: *Step Down PWM Dimmable (12-24V) 350mA*
S4: *Step Down AC-DC (12-24V) 350mA*
S5: *AC 220V 350mA- Constant current Driver*

EMERGENCY KIT OPTIONS

A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

MOUNTING

Luminaires can be recessedly mounted on suspended ceiling.

High Ceiling Luminaire   CDFA

High Ceiling Luminaire

APPLICATION AREAS

CromaDown FA is a luminaire designed for high-bay venues. It is resistant to possible impacts and explosion risks. The polycarbonate cover prevents dust, oil and pest accumulation. By means of its custom reflector, this luminaire prevents discomfort glare in the eyes by concentrating the light underneath.

ELECTROMECHANICAL SPECIFICATIONS   CDFA-C

120   70   120   70
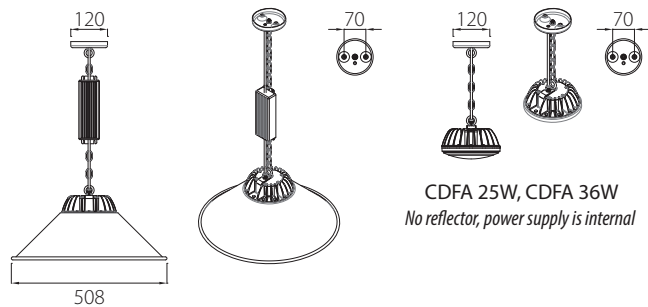
CDFA 25W, CDFA 36W
No reflector, power supply is internal

508

CDFA 50W, CDFA 75W, CDFA100W
Aluminium reflector and external power supply

VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

LIGHT COLOUR OPTIONS   CDFA-**C**

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

MOUNTING

Luminaires are mounted on the ceiling via rings, chains or hooks.

PRODUCT CODE EXTENSION

*Işık rengi / Light **C**olor*

CDFA-**C**
CDFA 220V AC

CDFA100:	*84 LEDs-350mA-100W-13.440 Lm*
CDFA75:	*63 LEDs-350mA-75W-10.080 Lm*
CDFA50:	*18 LEDs-700mA-50W-5.040 Lm*
CDFA36:	*18 LEDs-500mA-36W-3.780 Lm*
CDFA25:	*18 LEDs-350mA-25W-2.880 Lm*

* The given lumen outputs are for "Cool White LED".

Protection Class: IP44

Lifetime: 50.000 hours

PRODUCT CODE EXTENSION

Voltaj / Voltage
Işık rengi / Light Color
Gövde rengi / Body color

CD5-V-C-G

CD5 220V AC

CD5: *220V AC- 18 LEDs - 25W- 2.880Lm**

CD5 12~24V DC

CD518: *18 LEDs - 25W - 2.880 Lm**

* The given lumen outputs are for "Cool White LED".

CromaDown 5   CD5

Recessed downlight

APPLICATION AREAS

CromaDown 5 has been designed for utilisation in spacious venues and is a recessed luminaire with spotlight-effect light distribution. This luminaire, enabling a flawless integrity with the ceiling, renders comfortable and effective lighting for corridors, halls, receptions, offices, galleries and conference rooms.

ELECTROMECHANICAL SPECIFICATIONS   CD5-V-C-G

- Aluminium injection body
- Electrostatic powder coated body
- Plastic reflector

193
187
73
220
Ø200
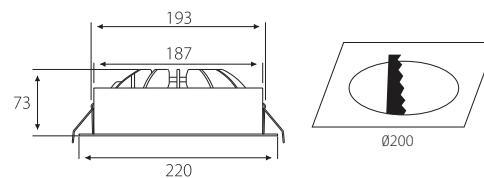
VOLTAGE OPTIONS   CD5-**V**-C-G

- Mono colour luminaires are designed to be operative at 220V AC, as standard however, if required, they can also be produced as DC-supplied, compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are produced as 24V DC and PWM-controlled, as standard.

VOLTAGE OPTIONS	
V	**DC -** *12V, 15V, 24V*
	AC - *220V AC*

LIGHT COLOUR OPTIONS   CD5-V-**C**-G

C	**CW:** *Cold White - 4.700K-9.500K*	**C**	**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*
	F: *RGB*		**B:** *Blue - 465nm*

BODY COLOUR OPTIONS   CD5-V-C-**G**

G W: *White*	**G** G: *Grey*	**G** B: *Black*

MOUNTING

Luminaires can be recessedly mounted on suspended ceiling.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - *DALI Control**
0-10V DC - *Analog 0-10V DC Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Protection Class: IP20

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

RollBeehive150 — CDRB150

Cylindirical Downlight

APPLICATION AREAS

RollBeehive150 is a surface-mounted luminaire, with a cylinder-shaped design. This cylinder-shaped luminaire is used in venues such as galleries, stores, showrooms, restaurants, halls and foyers.

ELECTROMECHANICAL SPECIFICATIONS — CDRB150-C-O

- Aluminium body
- Electrostatic powder coated body
- Polycarbonate limunaire glass
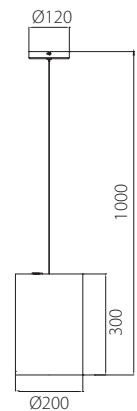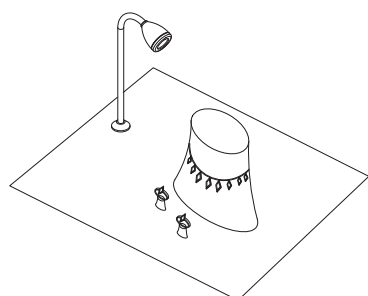- Designed in black, white and grey as standard.

Ø108 / 148
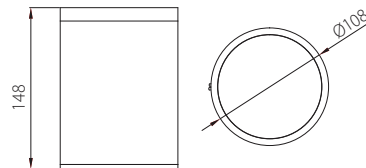
VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

LIGHT COLOUR OPTIONS — CDRB150-C-O

C
- **CW:** *Cold White - 4.700K-9.500K*
- **NW:** *Natural White - 3.700K-4.700K*
- **WW:** *Warm White - 2.700K-3.700K*

LENS OPTIONS — CDRB150-C-O

O **XN:** *Extra Narrow* **O** **M:** *Medium* **O** **W:** *Wide*

MOUNTING

Luminaire are mounted to surface mount.

PRODUCT CODE EXTENSION

*Işık rengi / Light **C**olor* *Lens&Optik / Lens&**O**ptic*

CDRB150 - **C** - **O**

CDRB150 220V AC

CDRB150: *9LEDs -12W - 1.125 Lm**

* The given lumen outputs are for "Cool White LED".
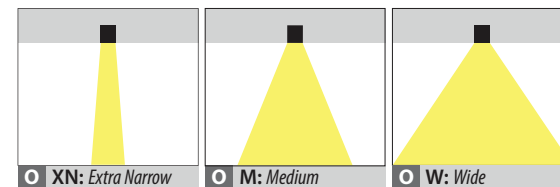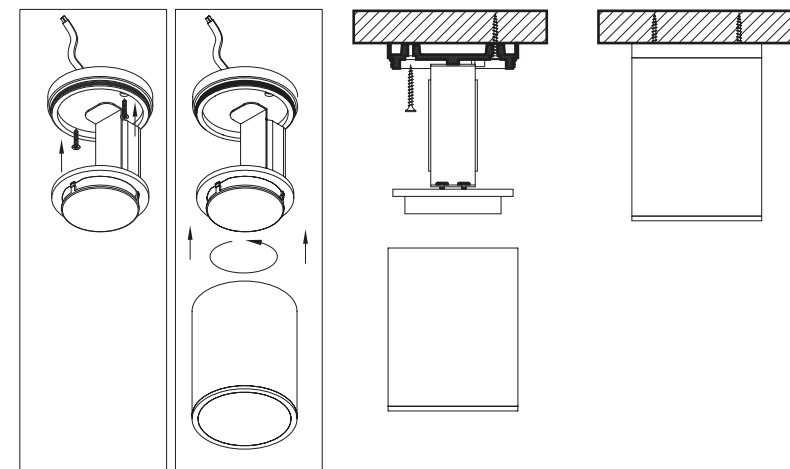
Protection Class: IP54

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

PRODUCT CODE EXTENSION

CDRB175 - **C**-**O**

Işık rengi / Light Color
Lens&Optik / Lens&Optic

CDRB175 220V AC

CDRB175: *18LEDs-25W - 2.880 Lm**

CDRB175: *18LEDs -45W - 5.040 Lm**

* The given lumen outputs are for "Cool White LED".

Protection Class: IP40/IP65

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

RollBeehive175 — CDRB175

Cylindirical Downlight

APPLICATION AREAS

RollBeehive175 is a surface-mounted luminaire, with a cylinder-shaped design. This cylinder-shaped luminaire is used in venues such as galleries, stores, showrooms, restaurants, halls and foyers.

ELECTROMECHANICAL SPECIFICATIONS   CDRB175-C-O

- Aluminium body
- Electrostatic powder coated body
- Polycarbonate limunaire glass
- Designed in black, white and grey as standard.

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175
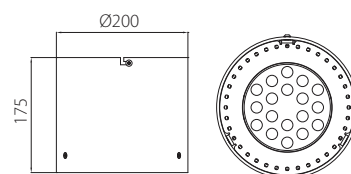
VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

LIGHT COLOUR OPTIONS   CDRB175-**C**-O

C	CW: *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS   CDRB175-C-**O**
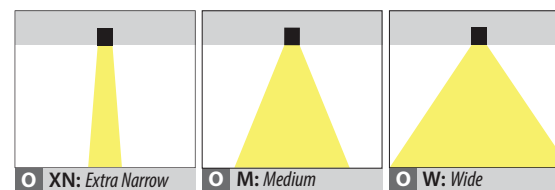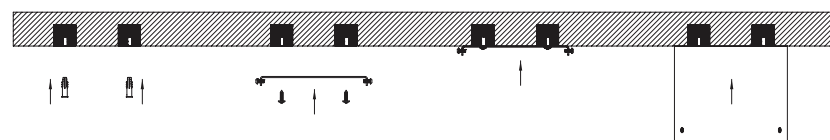
O	XN: *Extra Narrow*	O	M: *Medium*	O	W: *Wide*

MOUNTING

Luminaire are mounted to surface mount.

PRODUCT CODE EXTENSION

Işık rengi / Light Color
Lens&Optik / Lens&Optic

CDRB300 - C - O

CDRB300 220V AC

CDRB300:	*220V AC - 18LEDs - 25W - 2.880 Lm**
CDRB300:	*220V AC - 18LEDs - 45W - 5.040 Lm**
CDRB300:	*220V AC - 54LEDs - 100W - 11.340 Lm**

* The given lumen outputs are for "Cool White LED".

Protection Class: IP40/IP65

Lifetime: 50.000 hours

The lumen outputs, given in the charts, are the maximum values for the LEDs used in the luminaires, specified by taking the cover and diffusor losses into consideration.

The specified power ratings are the total amount of energy consumed by the luminaire, including all of the losses.

RollBeehive300 — CDRB300

Suspended luminaire

APPLICATION AREAS

RollBeehive300 is a suspended luminaire, with a cylinder-shaped design. The suspension system of the luminaire facilitates the instatement of the light to the desired coordinates.

ELECTROMECHANICAL SPECIFICATIONS — CDRB300-C-O

- Aluminium body
- Electrostatic powder coated body
- Polycarbonate limunaire glass
- Designed in black, white and grey as standard.

Ø120

1.000

300

Ø200
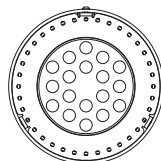
18 LEDs   54 LEDs
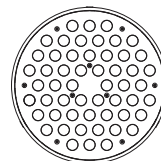
VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

LIGHT COLOUR OPTIONS — CDRB300-**C**-O

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS — CDRB300-C-**O**
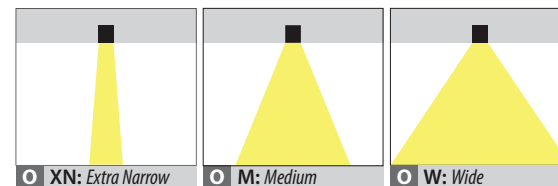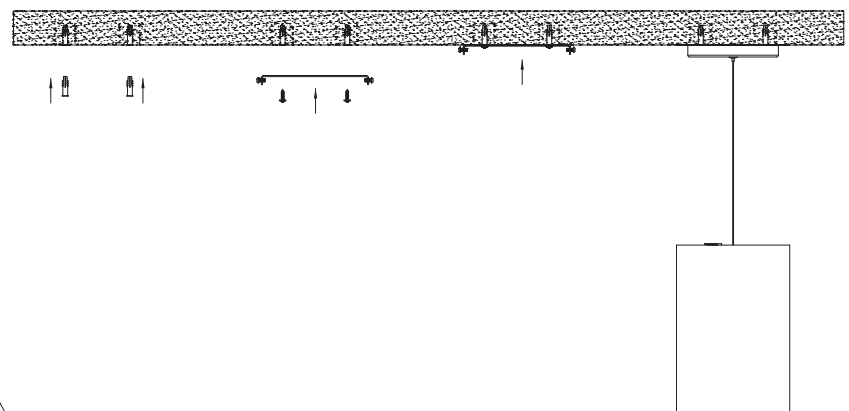
O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*

MOUNTING

PRODUCT CODE EXTENSION

*Işık rengi / Light **C**olor*
*Lens&Optik / Lens&**O**ptic*
*Üst parçalar / **U**p parts*
*Ek parçalar / **E**xtra parts*

CDLP-**C**-**O**-**U**-**E**

CDLP 220V AC

CDLP: *1,5W-210 Lm*

Protection Class: IP44

Lifetime: 50.000 hours

CromaDown LP   CDLP

Fixed and Moving Luminaire

APPLICATION AREAS

CromaDown LP is a luminaire offering fixed and rotatable head options. It can directly be mounted on the ceiling, fixed or rotatable stand. Thanks to its rotatable head, it is possible to divert the light to the desired spot. This luminaire is particularly used for jewellery and watch store windows, museum display cases and art exhibitions.

ELECTROMECHANICAL SPECIFICATIONS   **CDLP**-C-O-U-E

- Aluminium body
- Polycarbonate limunaire glass
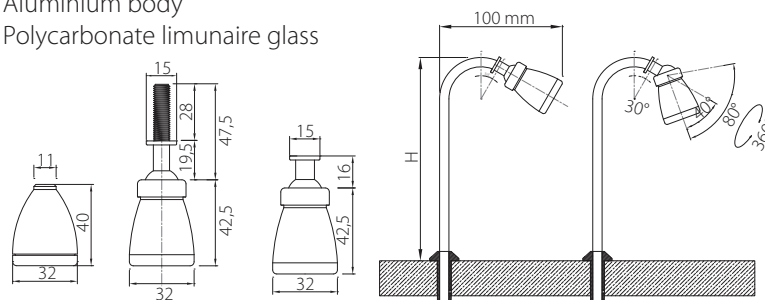
100 mm

15   28   19,5   47,5

11   40

32   32

15   16   42,5

32

30°   80°   360°

VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

LIGHT COLOUR OPTIONS   CDLP-**C**-O-U-E

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS   CDLP-C-**O**-U-E

O **XN:** *Extra Narrow*   **O** **M:** *Medium*   **O** **W:** *Wide*
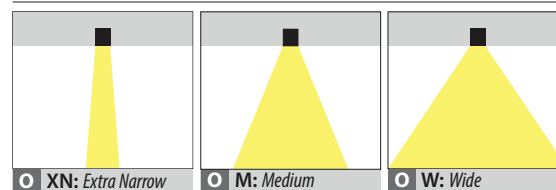
STAND OPTIONS   CDLP-C-O-**U**-E

The luminaires are manufactured with either fixed or movable head, based upon its manner of use. These luminaires can be directed towards the desired object by being directly mounted on the ceiling, fixed stand or flexible stand, depending on their manner of use.

U **L:** *Fixed stand*   **U** **F:** *Flexible stand*
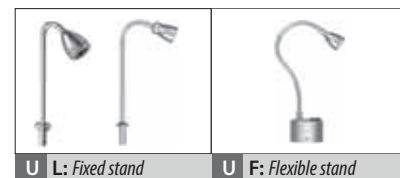
SUPPLEMENTARY PART OPTIONS   CDLP-C-O-U-**E**

E **M:** *Movable head*   **E** **S:** *Fixed Head*

Panel Clip In   PNLC

Panel recessed luminaire

APPLICATION AREAS

PNL Clip In is a recessed luminaire, produced as an alternative for 4x18 watt fluorescent luminaire. This luminaire replaces the fluorescent lamps due to its energy conservation, long lifetime and high colour rendering. A homogeneous lighting is achieved as the diodes, used for this luminaire, are closely positioned to each other. Furthermore, these luminaires can easily be mounted on suspended ceiling applications, through its practical type of mounting. Particularly used in venues such as offices, hospitals and general stores.

ELECTROMECHANICAL SPECIFICATIONS   PNL Clip In-D-C

- Polycarbonate diffused luminaire glass
- Electrostatic powder coated metal sheet body
- Electrostatic powder coated metal sheet frame
- The product is dyed in RAL9016 coded colour, as standard. Colour can be changed as per order..
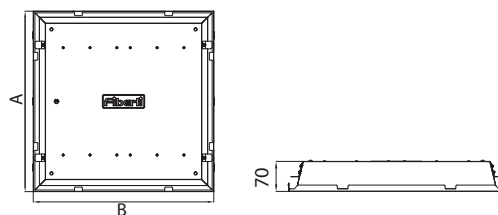
VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

DIMENSIONS   PNL Clip In-**D**-C

Panels in different dimensions can be selected according to the standard ceiling types.

D	PNL Clip In 30x30: *A: 300mm, B: 300mm*
	PNL Clip In 60x60: *A: 600mm, B: 600mm*

LIGHT COLOUR OPTIONS   PNL Clip In-D-**C**

C	CW: *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

MOUNTING

The luminaires can be separately manufactured with a hanging bracket and shipped.

Bracket   *With out Bracket*

PRODUCT CODE EXTENSION

Ebatlar ve LED mik. / Dimen. LED quantity

Işık rengi / Light Color

PNL Clip In-D-C

PNL Clip In 220V AC

PNL Clip In: *30x30 - 15W - 1.500Lm*
PNL Clip In: *60x60 - 30W - 3.050Lm*
PNL Clip In: *60x60 - 43W - 4.150Lm*
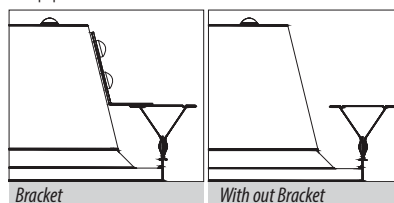
Protection Class: IP40

Lifetime: 50.000 hours

CromaDown PNL Clip In

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

| DIMMER OPTIONS |
| --- |
| **DALI -** *DALI Control** |
| **0-10V DC -** *Analog 0-10V DC Control** |
| **TRC** - *TRIAC Control** |

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Panel Lay On   PNLL

Panel recessed luminaire

PRODUCT CODE EXTENSION

*Ebatlar ve LED mik. / **Dimen. LED quantity***
*Işık rengi / Light **C**olor*

PNL Lay On -D-C

PNL Lay On 220V AC

PNL Lay On: *30X30 - 15W - 1.500Lm*	
PNL Lay On: *30X60 - 22W - 2.200Lm*	
PNL Lay On: *60X60 - 30W - 3.050Lm*	
PNL Lay On: *60X60 - 43W - 4.150Lm*	
PNL Lay On: *30X120 - 43W - 4.150Lm*	
PNL Lay On: *60X120 - 86W - 8.300Lm*	

APPLICATION AREAS

PNL Lay On is a recessed luminaire, produced as an alternative for 4x18 watt fluorescent luminaire. This luminaire replaces the fluorescent lamps due to its energy conservation, long lifetime and high colour rendering. A homogeneous lighting is achieved as the diodes, used for this luminaire, are closely positioned to each other. Furthermore, these luminaires can easily be mounted on suspended ceiling applications, through its practical type of mounting. Particularly used in venues such as offices, hospitals and general stores.

ELECTROMECHANICAL SPECIFICATIONS   PNL Lay On-D-C

- Polycarbonate diffused luminaire glass
- Electrostatic powder coated metal sheet body
- Electrostatic powder coated metal sheet frame
- The product is dyed in RAL9016 coded colour, as standard. Colour can be changed as per order..
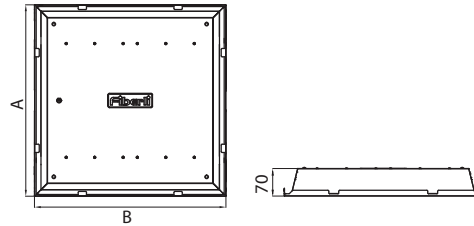
VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

DIMENSIONS   PNL Lay On-**D**-C

Panels in different dimensions can be selected according to the standard ceiling types.

	PNL Lay On 30x30: *A: 295mm, B: 295mm*
	PNL Lay On 30x60: *A: 295mm, B: 595mm*
D	**PNL Lay On 60x60:** *A: 595mm, B: 595mm*
	PNL Lay On 30x120: *A: 295mm, B: 1.195mm*
	PNL Lay On 60x120: *A: 595mm, B: 1.195mm*

LIGHT COLOUR OPTIONS   PNL Lay On-D-**C**

	CW: *Cold White - 4.700K-9.500K*
C	**NW:** *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

MOUNTING
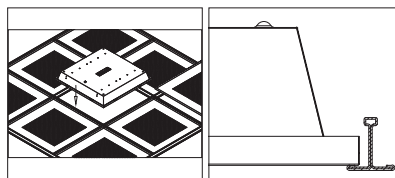
Protection Class: IP40
Lifetime: 50.000 hours

CromaDown PNL Lay On

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
DALI - *DALI Control**
0-10V DC - *Analog 0-10V DC Control**
TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS
A1 - *1-hour emergency lighting kit**
A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

Panel Surface · PNLS

Surface-mounted luminaire

PRODUCT CODE EXTENSION

*Ebatlar ve LED mik. / **Dimen.** LED quantity*

*Işık rengi / Light **C**olor*

PNL Surface -D-C

PNL Surface 220V AC

PNL Surface:	*30X30 - 15W - 1.500Lm*
PNL Surface:	*30X60 - 22W - 2.200Lm*
PNL Surface:	*60X60 - 30W - 3.050Lm*
PNL Surface:	*60X60 - 43W - 4.150Lm*
PNL Surface:	*30X120 - 43W - 4.150Lm*
PNL Surface:	*60X120 - 86W - 8.300Lm*

Protection Class: IP40

Lifetime: 50.000 hours

APPLICATION AREAS

PNL Surface is a surface-mounted luminaire, produced as an alternative for 4x18 watt fluorescent luminaire. This luminaire replaces the fluorescent lamps due to its energy conservation, long lifetime and high colour rendering. A homogeneous lighting is achieved as the diodes, used for this luminaire, are closely positioned to each other. Furthermore, these luminaires can easily be mounted on suspended ceiling applications, through its practical type of mounting. Particularly used in venues such as offices, hospitals and general stores.

ELECTROMECHANICAL SPECIFICATIONS · PNL Surface-D-C

- Polycarbonate diffused luminaire glass
- Electrostatic powder coated metal sheet body
- Electrostatic powder coated aluminium sheet frame
- The product is dyed in RAL9016 coded colour, as standard. Colour can be changed as per order.
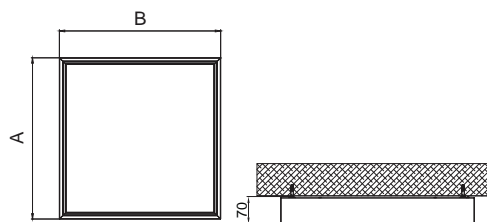
VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

DIMENSIONS · PNL Surface-**D**-C

Panels in different dimensions can be selected according to the standar ceiling types.

D		
	PNL Lay On 30x30:	*A: 300mm, B: 300mm*
	PNL Lay On 30x60:	*A: 300mm, B: 600mm*
	PNL Lay On 60x60:	*A: 600mm, B: 600mm*
	PNL Lay On 30x120:	*A: 300mm, B: 1.200mm*
	PNL Lay On 60x120:	*A: 600mm, B: 1.200mm*

LIGHT COLOUR OPTIONS · PNL Surface-D-**C**

C		
	CW:	*Cold White - 4.700K-9.500K*
	NW:	*Natural White - 3.700K-4.700K*
	WW:	*Warm White - 2.700K-3.700K*

MOUNTING
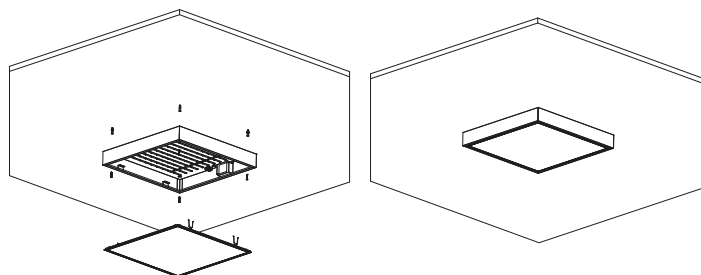
CromaDown PNL Surface

CONTROL SYSTEM OPTIONS

The power supplies for these luminaires are external. In cases where control system is utilised, the power supplies and control systems are externally used. The control systems should be selected from the accessories chart.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

DALI - *DALI Control**

0-10V DC - *Analog 0-10V DC Control**

TRC - *TRIAC Control**

EMERGENCY KIT OPTIONS

A1 - *1-hour emergency lighting kit**

A3 - *3-hours emergency lighting kit**

*The external accessory options may vary according to the product types. For more detailed information, please contact our Factory.

fiberli *Contemporary illuminating technics...*

LEDLIGHT CE

PRODUCT CODE EXTENSION

Işık rengi / Light Color

CD13-**C**
CD13 220V AC

CD13: *220V-16W*

CromaDiamond   CD13
Special display window lamp

APPLICATION AREAS

CromaDown 13 has been designed to be used for jewellery and watch store windows, museum display cases and art exhibitions. This luminaire, with its local lighting, elevates the fascination towards the exhibited objects, by accentuating their aesthetic details. It generates a luminous passage on the exhibited object by directing lights in different colours to different areas with its rotating head.

ELECTROMECHANICAL SPECIFICATIONS   CD13-C
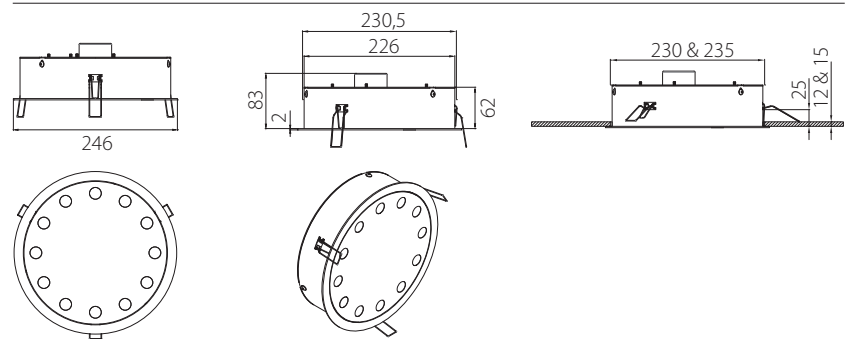
230,5
226
83
2
246
62
230 & 235
25
12 & 15

VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 220V AC, as standard.

LIGHT COLOUR OPTIONS   CD13-**C**

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
RGB: *RGB*		**B:** *Blue - 465nm*	

MOUNTING

Luminaires can be recessedly mounted on suspended ceiling.
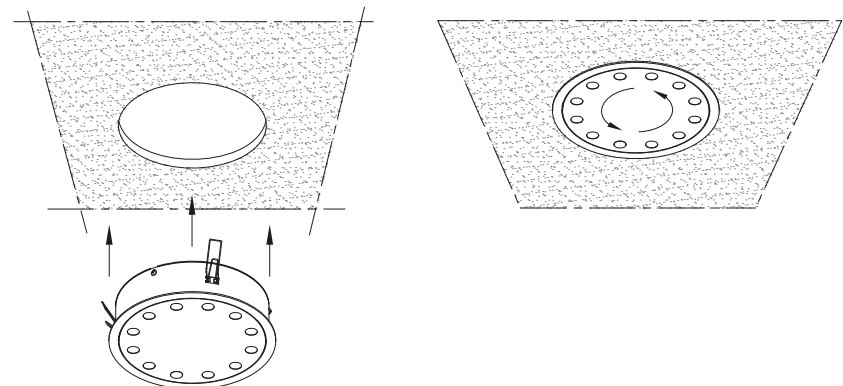
Protection Class: IP44

Lifetime: 50.000 hours
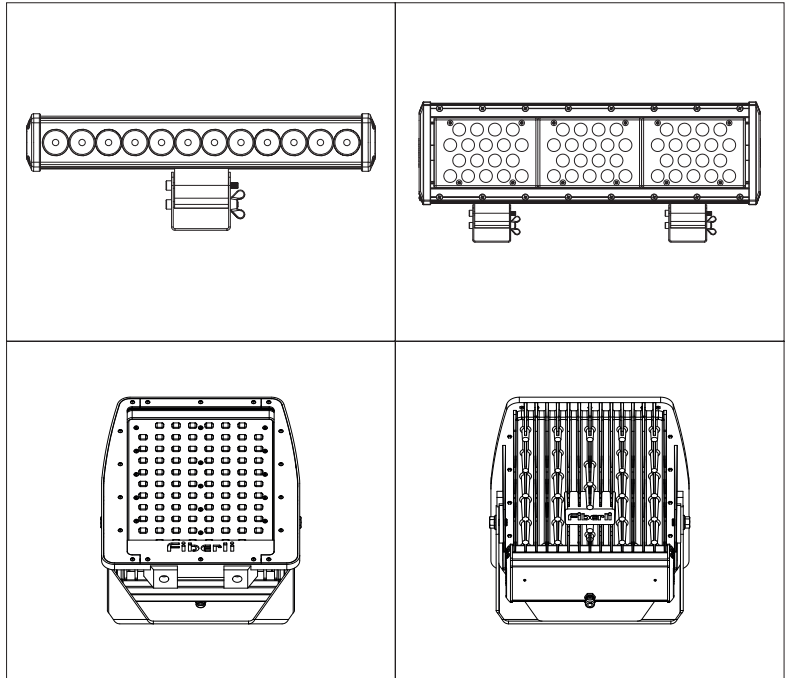
•WallWasher®

The WallWasher series offer ideal lighting solutions for in- and outdoor venues. These luminaires are utilised for the purpose of illuminating structures spread on high and capacious areas. They particularly render homogeneous and linear lighting on the surfaces of historical and modern structures such as stadiums, monuments, bridges. The luminaires furnish solutions of high quality and efficiency without being affected by adverse weather conditions due to their powerful technical structures. Luminaires can both be produced as mono colour or RGB, as per order. Also, they provide architects and lighting designers the opportunity to fictionalise their creative ideas by virtue of a wide range of colour options and capability to change colours.

| WL | WS | WH |
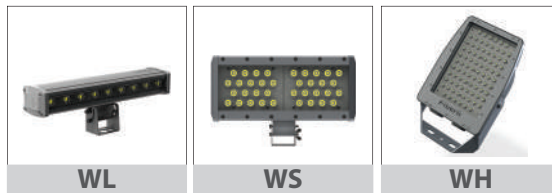
WallWasher® Products

WL | WallWasher L

WallWasher L is a LED projector, designed to be used both for in- and outdoor venues. This luminaire offers an aesthetical lighting by accentuating the architectural details through facade and surface lighting.

WS | WallWasher S

WallWasher S is a LED projector, designed to be used both for in- and outdoor venues. This luminaire conspicuously illuminates larger and higher structures. The luminaire offers precise lighting of the targeted height and area by means of angle adjustable mounting stands.

WH | WallWasher H

WallWasher H is a LED projector, designed to be used both for in- and outdoor venues. This luminaire illuminates large and high structures with much more powerful lighting. It can reach towering heights and areas by means of its angle adjustable mounting stands.
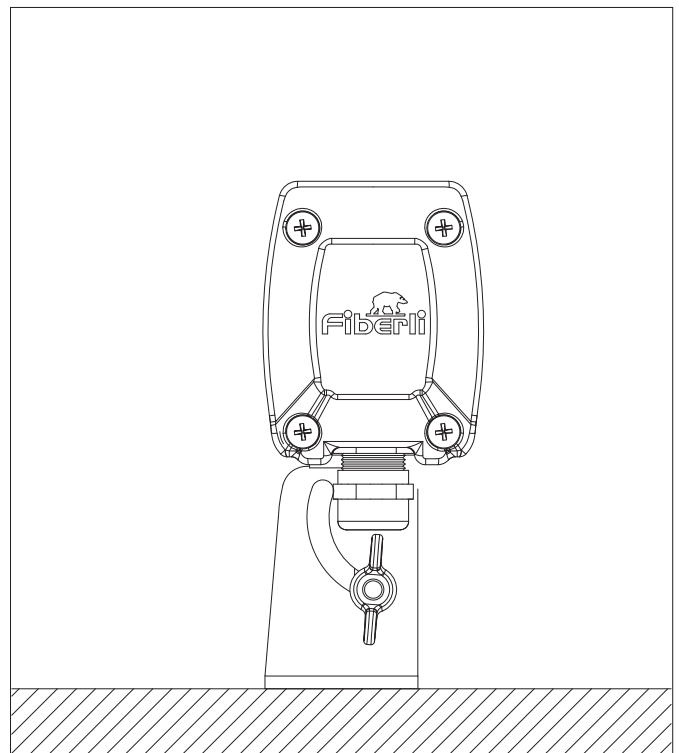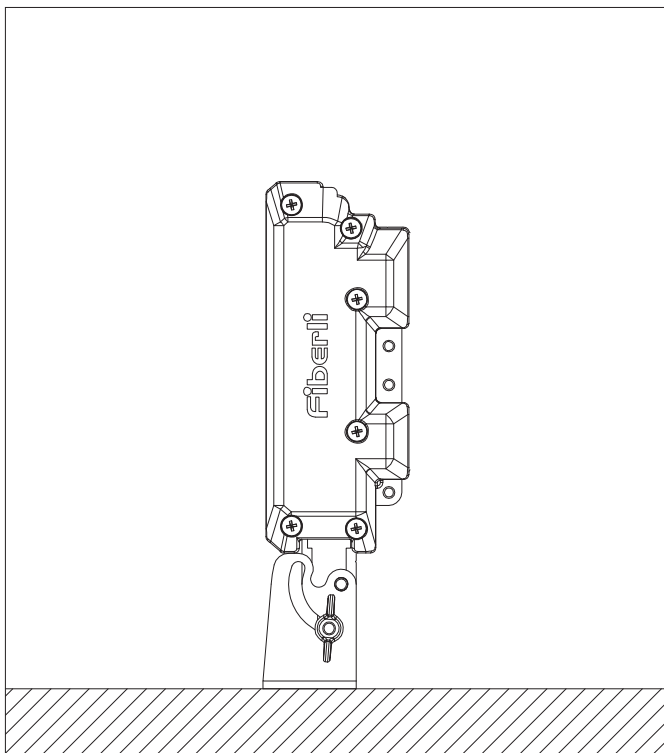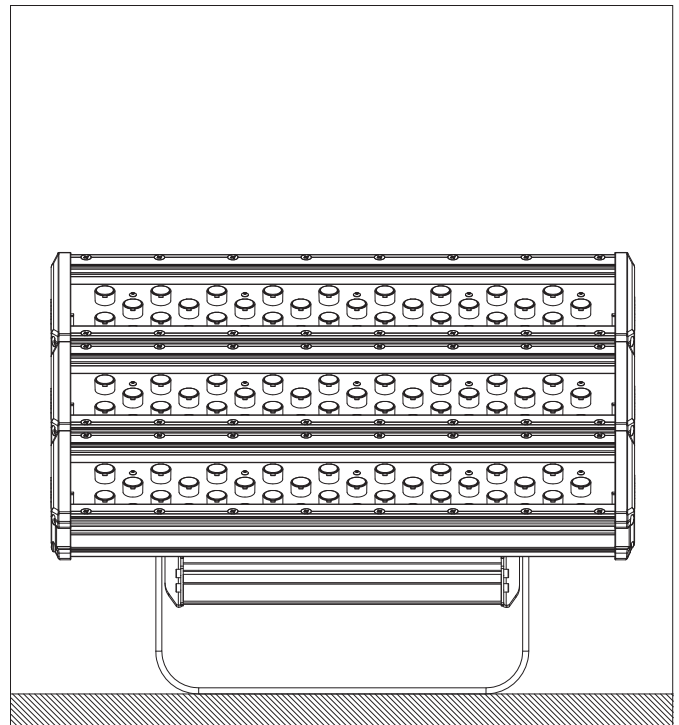
WallWasher® Projectors

WallWasher L — WL

Wall Painting Luminaire

PRODUCT CODE EXPENSION

*Ebatlar ve LED mik. / **D**imen. LED quan.*
*Voltaj / **V**oltage*
*Işık rengi / Light **C**olor*
*Lens&Optik / Lens&**O**ptic*
***J**ack / Connector/Soket*
***K**ablo giriş-çıkış yeri / Cable in-out ways*
*Kontrol **S**istemi / Control system*
*Üst parçalar / **U**p parts*
***E**k parçalar / Extra parts*

WL-D-V-C-O-J-K-S-U-E

WL LUMINAIRE OPTIONS

DC / PWM RGB

WL109 RGB:	*30cm-9 LEDs-13W-12V*
WL218 RGB:	*60cm-18 LEDs-26W-24V*
WL327 RGB:	*90cm-27 LEDs-38W-12V*
WL436 RGB:	*120cm-36 LEDs-51W-24V*

220-240V AC / Mono Color

WL033:	*10cm-3 LEDs-4W -480Lm*
WL066:	*20cm-6 LEDs-8W -960Lm*
WL109:	*30mm-9 LEDs-12W -1.440Lm*
WL218:	*60cm-18 LEDs-24W -2.880Lm*
WL327:	*90cm-27 LEDs-35W -4.320Lm*
WL436:	*120cm-36 LEDs-47W -5.760Lm*
WL112:	*30cm-12 LEDs-17W -1.920Lm*
WL224:	*60cm-24 LEDs-31W -3.840Lm*
WL336:	*90cm-36 LEDs-47W -5.760Lm*
WL448:	*120cm-48 LEDs-62W -7.680Lm*

220-240V AC / DMX RGB

WL109 DMX:	*30cm-9 LEDs-16W-3 Adress*
WL218 DMX:	*60cm-18 LEDs-25W-3 Adress*
WL327 DMX:	*90cm-27 LEDs-36W-3 Adress*
WL436 DMX:	*120cm-36 LEDs-48W-3 Adress*
WL112 DMX:	*30cm-12 LEDs-17W-3 Adress*
WL224 DMX:	*60cm-24 LEDs-34W-3 Adress*
WL336 DMX:	*90cm-36 LEDs-48W-3 Adress*
WL448 DMX:	*120cm-48 LEDs-63W-3 Adress*

220-240V AC/PDMX RGB

WL109 PDMX:	*30cm-9LEDs-14W-3 Adress*
WL218 PDMX:	*60cm-18LEDs-25W-3 Adress*
WL327 PDMX:	*90cm-27LEDs-36W-3 Adress*
WL436 PDMX:	*120cm-36LEDs-48W-3 Adress*

24V DC/PDMX RGB

WL109 PDMX:	*30cm-9LEDs-12W-3 Adress*
WL218 PDMX:	*60cm-18LEDs-22W-3 Adress*
WL327 PDMX:	*90cm-27LEDs-32W-3 Adress*
WL436 PDMX:	*120cm-36LEDs-41W-3 Adress*

APPLICATION AREAS

WallWasher L is a LED projector, designed to be used both for in- and outdoor venues. This luminaire offers an aesthetical lighting by accentuating the architectural details through facade and surface lighting.

ELECTROMECHANICAL SPECIFICATIONS — WL-D-V-C-O-J-K-S-U-E

- Anodized aluminium body
- Stainless chrome luminaire stand
- Polycarbonate luminaire glass
- UV-protective PVC luminaire side covers

* All of the measurements for WallWasher product groups are in mm.
** Luminaire dimensions are custom manufactured in 10cm-folds.

67
52
A

220-240V AC/PDMX RGBW RGBA

WL112 PDMX/A:	*30cm-12LEDs-18W-4 Adress*
WL224 PDMX/A:	*60cm-24LEDs-34W-4 Adress*
WL336 PDMX/A:	*90cm-36LEDs-48W-4 Adress*
WL448 PDMX/A:	*120cm-48LEDs-63W-4 Adress*

24V DC/PDMX RGBW RGBA

WL112 PDMX/A:	*30cm-12LEDs-16W-4 Adress*
WL224 PDMX/A:	*60cm-24LEDs-29W-4 Adress*
WL336 PDMX/A:	*90cm-36LEDs-42W-4 Adress*
WL448 PDMX/A:	*120cm-48LEDs-55W-4 Adress*

Protection Class: IP66
Lifetime: 50.000 hours

WallWasher® Projectors

LUMINAIRE DIMENSIONS AND LED QUANTITY
WL-**D**-V-C-O-J-K-S-U-E

WL033
A = 120mm
LED qty: 3

WL066
A = 215mm
LED qty: 6
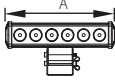
WL109
A = 310mm
LED qty: 9
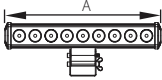
WL218
A = 600mm
LED qty: 18
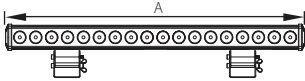
WL327
A = 895mm
LED qty: 27
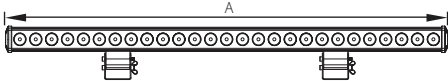
WL436
A = 1180mm
LED qty: 36
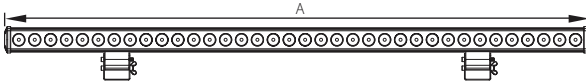
WL112
A = 310mm
LED qty: 12
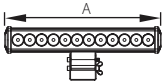
WL224
A = 600mm
LED qty: 24
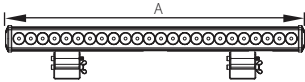
WL336
A = 895mm
LED qty: 36
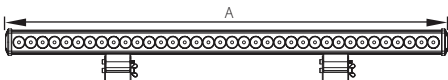
WL448
A = 1180mm
LED qty: 48
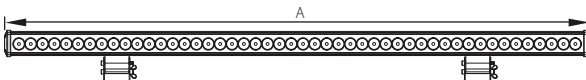
The measurements, provided for this product, are valid measurements when connected from below. In case of product connection from the side, 90mm should be added to the aforementioned measurements.

VOLTAGE OPTIONS
WL-D-**V**-C-O-J-K-S-U-E

- The mono colour luminaires have been designed, as standard, to operate with 220-240V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
V	**DC -** *12V, 15V, 24V, 12-24V (Determined during product selection)*
	AC - *220-240V AC*

LIGHT COLOUR OPTIONS
WL-D-V-**C**-O-J-K-S-U-E

	CW: *Cold White - 4.700K-9.500K*		**RGBA:** *RGBA*	
	NW: *Natural White - 3.700K-4.700K*		**R:** *Red - 625nm*	
C	**WW:** *Warm White - 2.700K-3.700K*	**C**	**A:** *Amber - 590nm*	
	RGB: *RGB*		**G:** *Green - 525nm*	
	RGBW: *RGBW*		**B:** *Blue - 465nm*	

Changes in the total power and lumen output values of the product may occur according to the colour and type of the selected LED.

Fiberli / *Contemporary illuminating technics...*

LED LIGHT C€
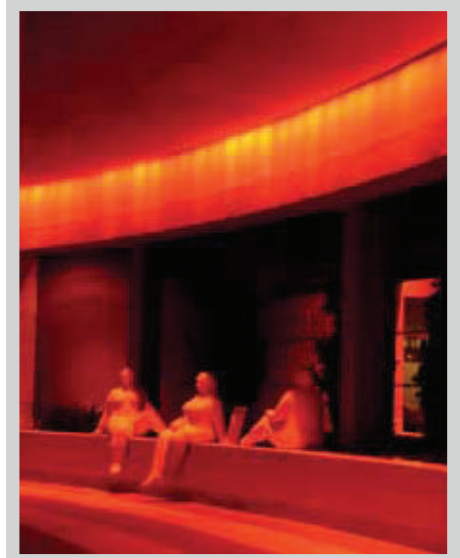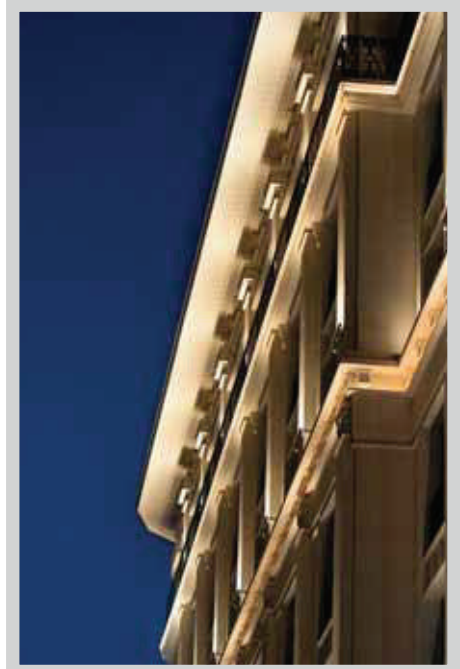
EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

WallWasher L

LENS OPTIONS
WL-D-V-C-**O**-J-K-S-U-E

O **XN:** *Extra Narrow*	**O** **M:** *Medium*	**O** **W:** *Wide*	**O** **XW:** *Without Lens*

O **A:** *Asymmetric*
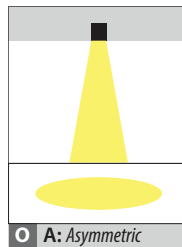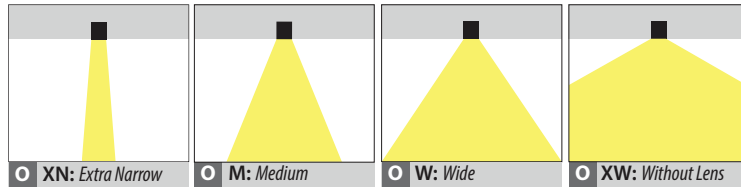
CONNECTOR OPTIONS
WL-D-V-C-O-**J**-K-S-U-E

- Power input is supplied with PG9 gland and cable, as standard. The utilisation of PowerCon is optional.
- DMX data input and output is supplied with PG9 gland and standard cable. The utilisation of RJ45 or XLR is optional.

POWER CONNECTOR	
J **STD:** *Standard cable connection*	**J** **K:** *Supplied with Connector*

DMX CONNECTOR	
J **STDX:** *Standard cable connection*	**J** **RJ45:** *Data connector*
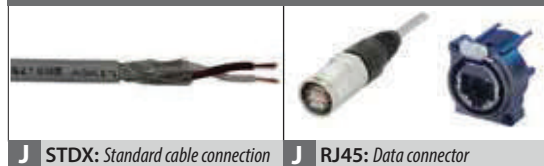
CABLE INLET POINTS OPTIONS
WL-D-V-C-O-J-**K**-S-U-E

Cable inlet points may vary according to the location of mounting. Other options can be applied instead of the the cable inlet from the left cover (LPI), if specified prior to order.

K **LPI:** *Left side cover inlet*	**K** **BLI:** *Bottom-left inlet*
K **RPI:** *Right side cover inlet*	**K** **BRI:** *Bottom-right inlet*
K **SIO****:** *Inlet and outlet from both sides*	**K** **BIO****:** *Bottom Inlet and outlet*
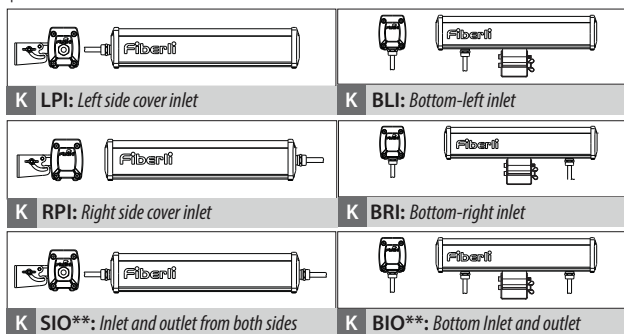
** For products with inlets and outlets, the maximum number of connections may vary according to the type of the product.

WallWasher L

CONTROL SYSTEM OPTIONS

WL-D-V-C-O-J-K-**S**-U-E

- DIMMER option in Mono Colour luminaires (white and mono colour), colour control options in RGB (colour-changing) luminaires are as provided below.
- The colour-changing luminaires with DMX control are produced as standard 220V AC if the DMX control unit is inside the luminaire (internal). It can also be produced as 24V DC, as per order.
- The control systems must match with the WL options, provided in the chart below.

CONTROL OPTIONS	WL OPTIONS
STD - *Standard-No Control*	*220-240V AC Mono Color*
DMX - *DMX Control, 3-4 adress*	*DMX-PDMX Product*
DMX1 - *DMX Control, 1 adress*	
PWM - *PWM Control*	*PWM RGB product*
PDMX - *Supplied DMX*	*PDMX product*
SDPWM - *Step Down-PWM Control*	

STAND OPTIONS

WL-D-V-C-O-J-K-S-**U**-E
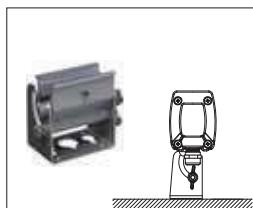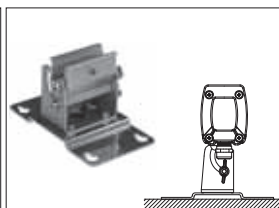
U	**A0:** *Standard stand*	U	**A1:** *Standard stand and mounting*
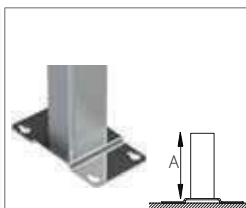
	A5: *Extension part A=5cm*
U	**A10:** *Extension part A=10cm*
	A20: *Extension part A=20cm*

Note: Extension piece at the desired length can separately be manufactured.
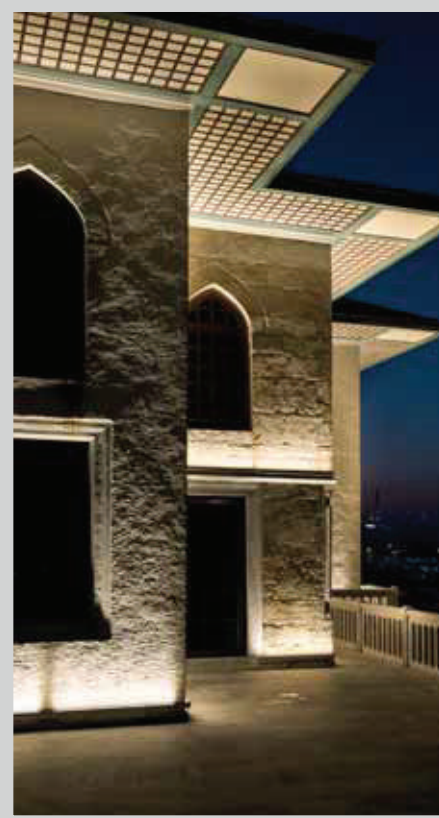
WallWasher L

SUPPLEMENTARY PART OPTIONS

WL-D-V-C-O-J-K-S-U-**E**

Luminaires can be combined through the use of optional assembly apparatus.
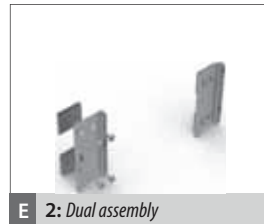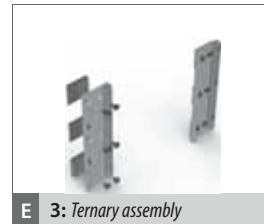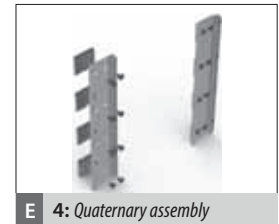
E **2:** *Dual assembly*   **E** **3:** *Ternary assembly*   **E** **4:** *Quaternary assembly*
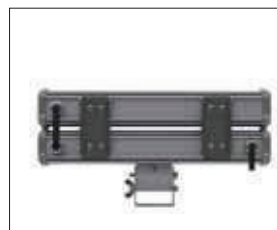
Dual assembly
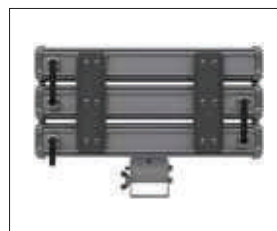
Ternary assembly

Quaternary assembly

WallWasher L

MOUNTING

Each part of the mounting stand is manufactured from stainless chrome.

1- According to the length of the luminaire, 1 or more stand may be assembled. Single stand is supplied for luminaires up to 30cm and two stands are supplied for longer luminaires, as standard.
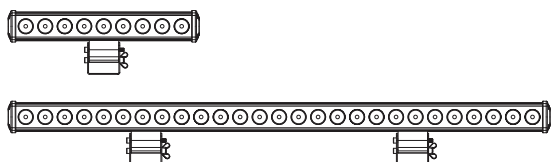
2- Luminaire stands have been designed to be mounted on the bottom or the side of the body of luminaire, according to the purpose of use.
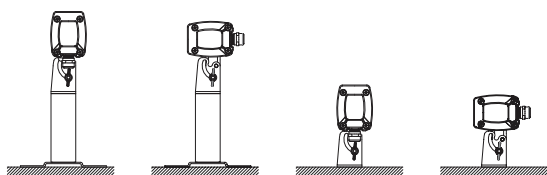
3- Stand length can optionally be extended with custom designed aluminium stand profile, according to the purpose of use. As standard, the lengths of the stands are prepared in 5cm, 10cm and 20cm-parts.
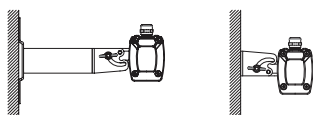
4- The mounting angle of luminaire can be adjusted between 0°- 95°. The stand, according to the purpose of use, can be mounted on the pole or surface.

PRODUCT CODE EXPENSION

WS-**D**-**V**-**C**-**O**-**S**-**U**-**E**

*Ebatlar ve LED mik. / **D**imen. LED quantity*
***V**oltaj / Voltage*
*Işık rengi / Light **C**olor*
*Lens&Optik / Lens&**O**ptic*
*Kontrol **s**istemi / Control system*
*Üst parçalar / **U**p parts*
Ek parçalar / Extra parts

WS LUMINAIRE OPTIONS

220V AC Mono Color
WS118:	*15cm-18 LEDs-24W -2.880Lm*
WS236:	*30cm-36 LEDs-47W -5.760Lm*
WS354:	*45cm-54 LEDs-70W -8.640Lm*
WS336:	*45cm-36 LEDs-89W -10.080Lm*
WS472:	*60cm-72 LEDs-93W -11.520Lm*

24V DC PWM RGB
WS118-RGB:	*15cm-18 LEDs-26W*
WS236-RGB:	*30cm-36 LEDs-51W*
WS354-RGB:	*45cm-54 LEDs-76W*
WS472-RGB:	*60cm-72 LEDs-101W*

220V AC DMX RGB
WS118 DMX:	*15cm-18 LEDs-25W*
WS236 DMX:	*30cm-36 LEDs-48W*
WS354 DMX:	*45cm-54 LEDs-71W*
WS472 DMX:	*60cm-72 LEDs-94W*

Protection Class: IP66

Lifetime: 50.000 hours

WallWasher S   WS

Wall Painting Luminaire

APPLICATION AREAS

WallWasher S is a LED projector, designed to be used both for in- and outdoor venues. This luminaire conspicuously illuminates larger and higher structures. The luminaire offers precise lighting of the targeted height and area by means of angle adjustable mounting stands.

ELECTROMECHANICAL SPECIFICATIONS   WS-D-V-C-O-S-U-E

- Anodized aluminium body
- Stainless chrome luminaire stand
- Polycarbonate luminaire glass
- Aluminium injection side cover

*Luminaire dimensions are custom manufactured in 15cm-folds.

LUMINAIRE DIMENSIONS AND LED QUANTITY   WS-**D**-V-C-O-S-U-E

WS118
A = 170mm
LED qty: 18

WS236
A = 320mm
LED qty: 36

WS354
A = 480mm
LED qty: 54

WS336
A = 480mm
LED qty: 36
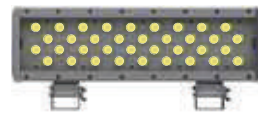
WS472
A = 610mm
LED qty: 72
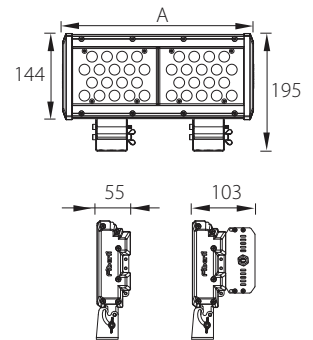
* All of the measurements for WallWasher product groups are in mm.

VOLTAGE OPTIONS   WS-D-**V**-C-O-S-U-E

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
V **24V** - *24V DC*	V **220V** - *220V AC*
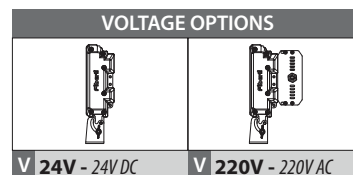
WallWasher® Projectors

WallWasher S

LIGHT COLOUR OPTIONS
WS-D-V-**C**-O-S-U-E

C			C		
	CW: *Cold White - 4.700K-9.500K*			**RGBA:** *RGBA*	
	NW: *Natural White - 3.700K-4.700K*			**R:** *Red - 625nm*	
	WW: *Warm White - 2.700K-3.700K*			**A:** *Amber - 590nm*	
	RGB: *RGB*			**G:** *Green - 525nm*	
	RGBW: *RGBW*			**B:** *Blue - 465nm*	

*Changes in the total power and lumen output values of the product may occur according to the colour and type of the selected LED.

LENS OPTIONS
WS-D-V-C-**O**-S-U-E

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*
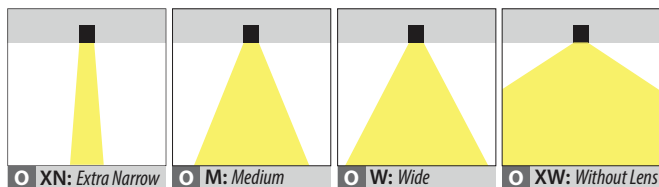
CONTROL SYSTEM OPTIONS
WS-D-V-C-O-**S**-U-E

- DIMMER option in Mono Colour luminaires (white and mono colour), colour control options in RGB (colour-changing) luminaires are as provided below.
- The colour-changing luminaires with DMX control are produced as standard 220V AC if the DMX control unit is inside the luminaire (internal). It can also be produced as 24V DC, as per order.

	CONTROL OPTIONS	WL OPTIONS
	STD - *Standard-No Control*	*220-240V AC Mono Color*
S	**DMX -** *DMX Control, 3-4 adress*	*DMX-PDMX Product*
	DMX1 - *DMX Control, 1 adress*	
	PWM - *PWM Control*	*PWM RGB product*
	PDMX - *Supplied DMX*	*PDMX product*
	SDPWM - *Step Down-PWM Control*	

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

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LED LIGHT CE
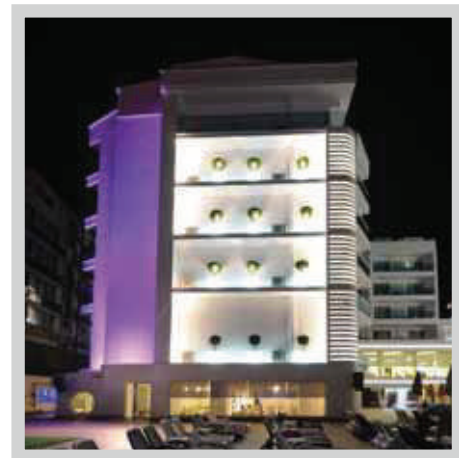
WallWasher® Projectors

WallWasher S

STAND OPTIONS
WS-D-V-C-O-S-**U**-E

Luminaires can be combined through the use of optional assembly apparatus.
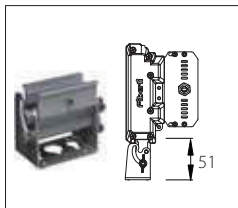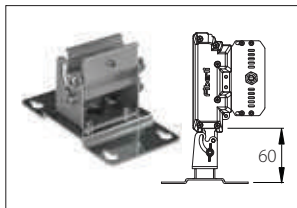
M **A0:** *Standard stand*	**M** **A1:** *Standard stand and mounting*

Note: Extension piece at the desired length can separately be manufactured.
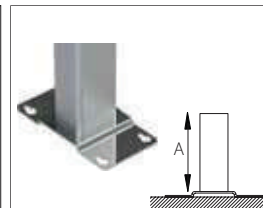
A5: *Extension part A=5cm*
M **A10:** *Extension part A=10cm*
A20: *Extension part A=20cm*

SUPPLEMENTARY PART OPTIONS
WS-D-V-C-O-S-U-**E**

Luminaires can be combined through the use of optional assembly apparatus.

E **2:** *Dual assembly*   **E** **3:** *Ternary assembly*   **E** **4:** *Quaternary assembly*
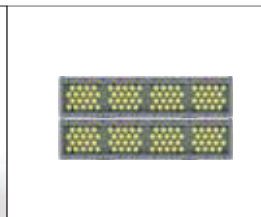
Dual assembly
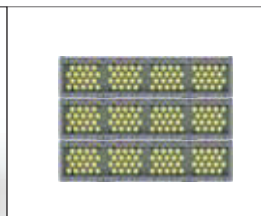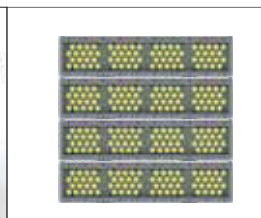
Ternary assembly

Quaternary assembly

WallWasher S

MOUNTING

Each part of the mounting stand is manufactured from stainless chrome.

1- According to the length of the luminaire, 1 or more stand may be assembled.
Single stand is supplied for luminaires up to 20cm and two stands
are supplied for longer luminaires, as standard.
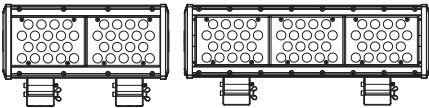
2- Luminaire stands have been designed to be mounted on the bottom or the
side of the body of luminaire, according to the purpose of use.

3- Stand length can optionally be extended with custom designed aluminium
stand profile, according to the purpose of use. As standard, the lengths of
the stands are prepared in 5cm, 10cm and 20cm-parts.

4- The mounting angle of luminaire can be adjusted between 0°- 95°.

LED LIGHT CE
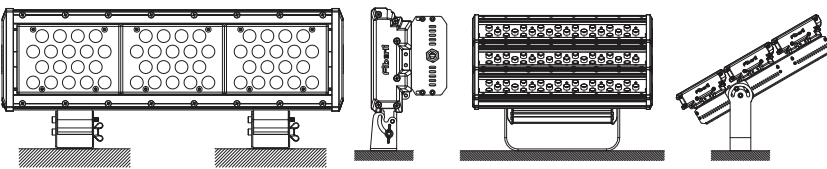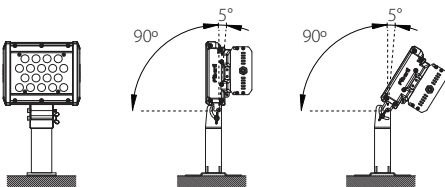
WallWasher®Projectors

WallWasher H

WH

LED Projector

APPLICATION AREAS

WallWasher H is a LED projector, designed to be used both for in- and outdoor venues. This luminaire illuminates large and high structures with much more powerful lighting. It can reach towering heights and areas by means of its angle adjustable mounting stands.

ELECTROMECHANICAL SPECIFICATIONS   WH-D-C-O-S-U-E

- Aluminium injection body
- Electrostatic coated DKP sheet luminaire stand
- Polycarbonate or tempered luminaire glass
- Aluminium injection side cover

PRODUCT CODE EXPENSION

Ebatlar ve LED mik. / **D**imen. LED quantity
Işık rengi / Ligh **C**olor
Lens&Optik / Lens&**O**ptic
Kontrol sistemi / Control system
Üst parçalar / **U**p parts
Ek parçalar / Extra parts

WH-D-C-O-S-U-E

WH LUMINAIRE OPTIONS

WH1 220V AC

WH136:	*350mA-36LEDs-43W-5.760Lm*
WH136:	*500mA-36LEDs-63W-7.560Lm*
WH148:	*350mA-48LEDs-57W-7.680Lm*
WH148:	*500mA-48LEDs-83W-10.080Lm*
WH148:	*700mA-48LEDs-120W-13.440Lm*
WH154:	*350mA-54LEDs-64W-8.640Lm*
WH154:	*500mA-54LEDs-94W-11.340Lm*
WH154:	*700mA-54LEDs-135W-15.120Lm*

WH2 220V AC

WH260:	*700mA-60LEDs-150W-16.800Lm*
WH284:	*700mA-84LEDs-210W-23.520Lm*

WH2 PRO 220V AC

WH260 Pro:	*700mA-60LEDs-150W-21.750Lm*
WH284 Pro:	*700mA-84LEDs-200W-25.000Lm*
WH230 Pro:	*525mA-30LEDs-200W-26.500Lm*

LUMINAIRE DIMENSIONS AND LED QUANTITY   WH-**D**-C-O-S-U-E

WH1
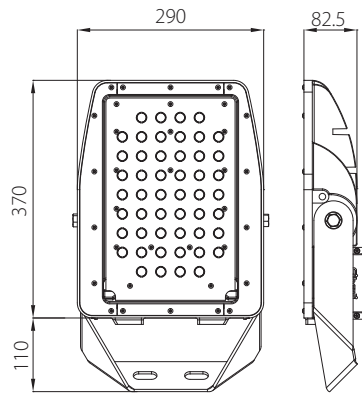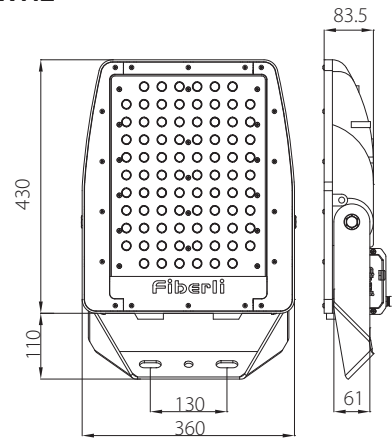
290   82.5

370

110

WH2

83.5

430

110

130
360

61

 * All of the measurements for WallWasher product groups are in mm.

VOLTAGE OPTIONS

Mono colour luminaires are designed to be operative at 220V AC.

LIGHT COLOUR OPTIONS   WH-D-**C**-O-S-U-E

C	**CW:** *Cold White - 4.700K-9.500K*	**RGBA:** *RGBA*	**C**
	NW: *Natural White - 3.700K-4.700K*	**R:** *Red - 625nm*	
	WW: *Warm White - 2.700K-3.700K*	**A:** *Amber - 590nm*	
	RGB: *RGB*	**G:** *Green - 525nm*	
	RGBW: *RGBW*	**B:** *Blue - 465nm*	

*Changes in the total power and lumen output values of the product may occur according to the colour and type of the selected LED.

LENS OPTIONS   WH-D-C-**O**-S-U-E

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*
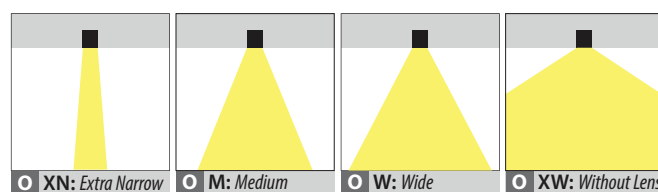
Protection Class: IP66

Lifetime: 50.000 hours

WallWasher H

CONTROL SYSTEM OPTIONS
WH-D-C-O-**S**-U-E

- DIMMER option in Mono Colour luminaires (white and mono colour), colour control options in RGB (colour-changing) luminaires are as provided below.
- The DMX control unit of DMX controlled colour-changing luminaires is located within the luminaire and are manufactured to operate at 220V AC as standard.

CONTROL OPTIONS	
S	**PWM -** *PWM Control*
	DMX - *DMX Control, 3 adress*
	DMX1 - *DMX Control, 1 adress*
	0-10V DC - *Analog 0-10V DC Control*

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

WallWasher H

STAND OPTIONS
WS-D-C-O-V-S-**U**-E

Luminaires can be combined through the use of optional assembly apparatus.

| U **A0:** *Standard stand* | U **A1:** *Optional pole connection apparatus* |

Note: Extension piece at the desired length can separately be manufactured.

SUPPLEMENTARY PART OPTIONS
WS-D-C-O-V-S-U-**E**

| E **P:** *Polycarbonate* | E **T:** *Tempered glass* |

MOUNTING

The stand, according to the purpose of use, can be mounted on the pole or surface.

1-Surface mounting:
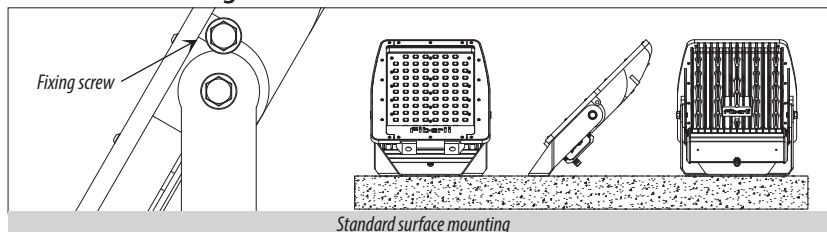
Fixing screw

Standard surface mounting

Type stand has been designed for mounting on solid surfaces such as concrete, wood, etc. The luminaire can be veered between 0°- 95° and fixed with a fixing screw.

2- Mounting on pole:

24°

ø61 M10
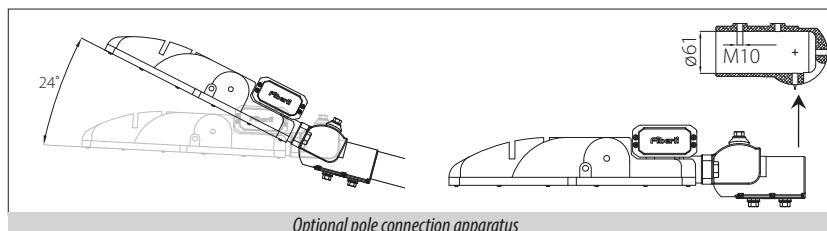
Optional pole connection apparatus

The stand, which has been designed for the facilitation of mounting on a pole with a diameter of 60mm, enables the mounting of luminaire on the pole vertically and horizontally. Additionally, 24° angle adjustment, with 12° upward and 12° downward, can be performed.

WallWasher H

www.fiberli.com.tr/Upload/Dokuman/CromaStreet-EN.pdf
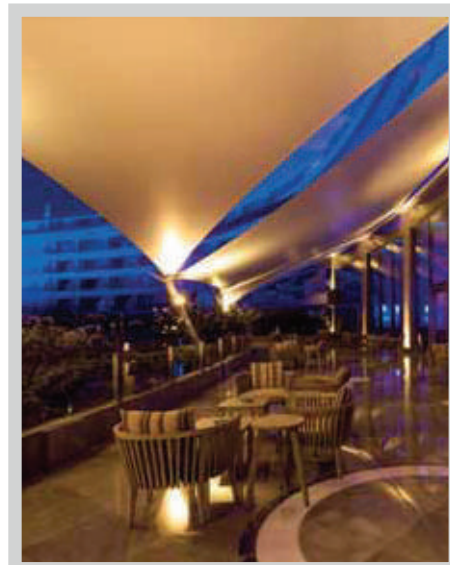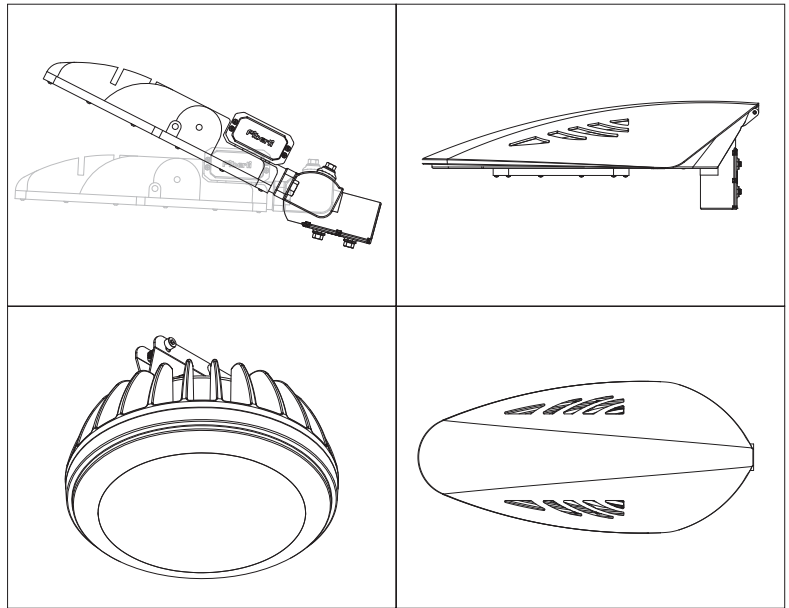
•CromaStreet®

CromaStreet is the LED street luminaire, designed to be used on avenues, highways, streets, squares and walking trails. The luminaires are manufactured in three different shades of white, which are warm white, natural white and cool white. It is an ideal lighting solution, which contributes to a sustainable environment, with its long lifetime and energy conservation.

| SWH | SPL2 | SRB | SCG5 | SWS |

CromaStreet® Lamps

SWH | CromaStreet SWH

CromaStreet SWH is the LED street luminaire, designed to be used in areas such as highways, streets, gardens and squares.

SPL2 | CromaStreet SPL2

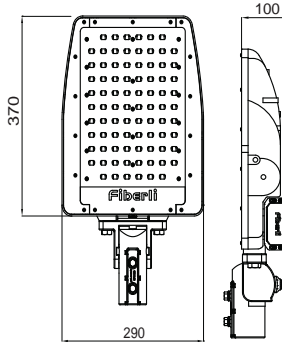CromaStreet SPL2 is the LED street luminaire, designed to be used in areas such as highways, streets, gardens and squares.

SRB | CromaStreet SRB

Street Roll Beehive is a decorative luminaire designed to be used outdoors with its modern appearance. This luminaire, which is used as an applique, is used to provide local lighting. It can, directly, be mounted on the wall or pipe by virtue of its mounting body.

SCG5 | CromaStreet SCG5

StreetPendant SCG5 is the luminaire designed for alleys, where lampposts are not utilised. This luminaire is safely used by hanging on wire ropes.

SWS | CromaStreet SWS

StreetPendant SWS is the suspended street luminaire, designed for avenues and streets. The direction of light of this luminaire can be adjusted through mounting on wire ropes or pipes.
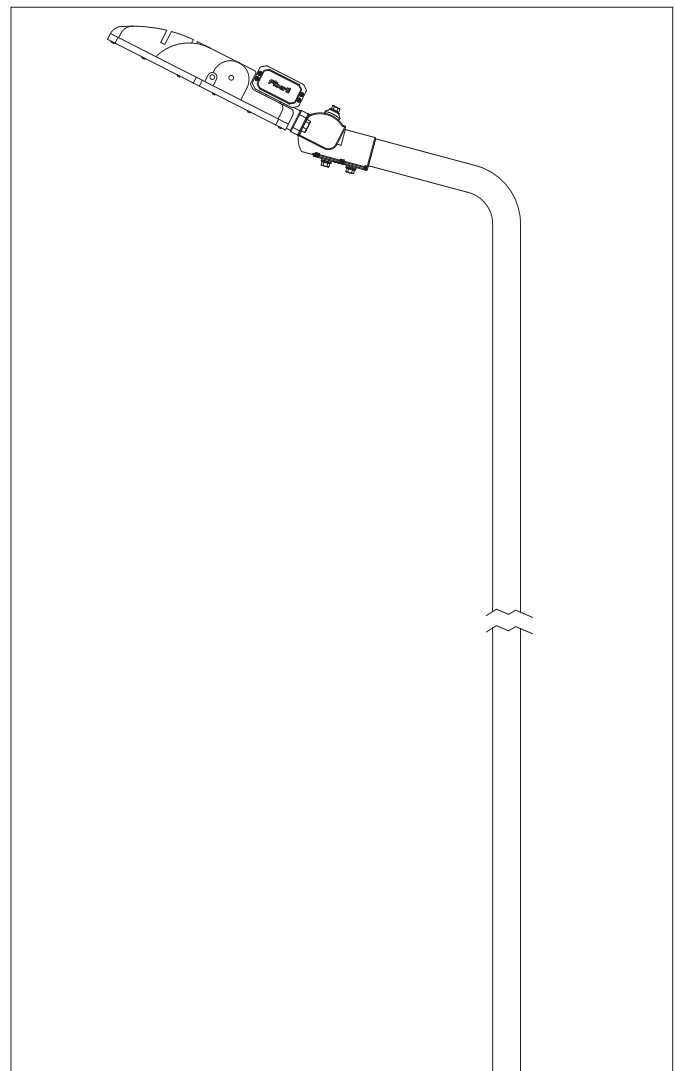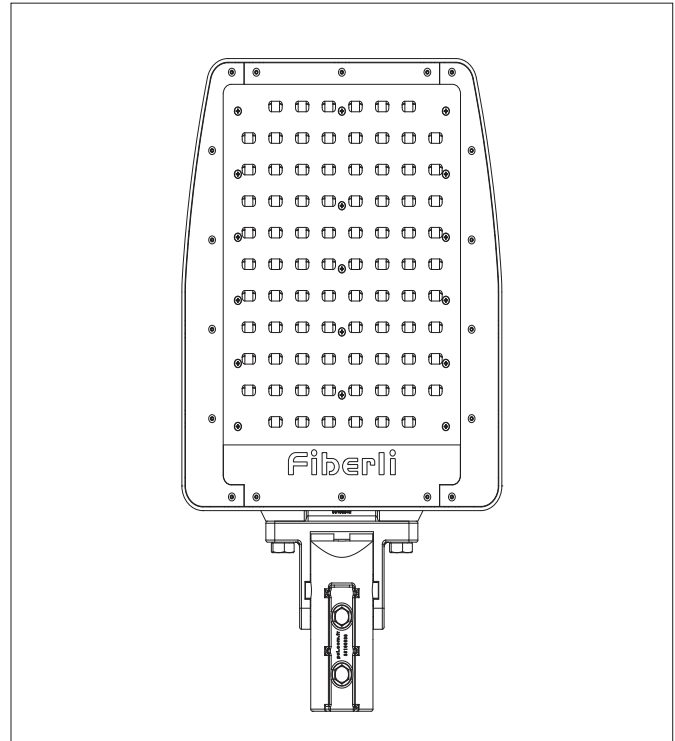
StreetPole SWH — SWH

Street Lamp

APPLICATION AREAS

CromaStreet SWH is the LED street luminaire, designed to be used in areas such as highways, streets, gardens and squares.

ELECTROMECHANICAL SPECIFICATIONS — SWH-D-C-O-E

- Aluminium injection body
- Aluminium injection luminaire stand
- Aluminium injection side cover
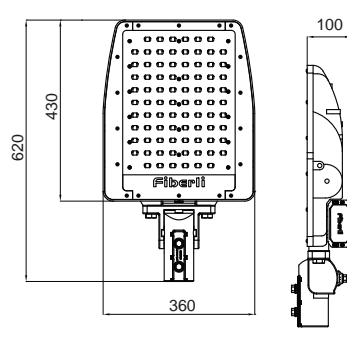- Polycarbonate or tempered luminaire glass

LUMINAIRE DIMENSIONS AND LED QUANTITY — SWH-**D**-C-O-E

SWH1 Series

100 · 370 · 290

SWH2 Series

100 · 620 · 430 · 360

VOLTAGE SPECIFICATIONS

Mono colour luminaires are designed to be operative at 220V AC.

LIGHT COLOUR OPTIONS — SWH-D-**C**-O-E

C	CW: *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS — SWH-D-C-**O**-E

| O XW: *Without Lens* | O M: *90x120° Lens* | O N: *60x120° Lens* |

*Lens options of LEDs that is used in street and highway applications, is changeable according to the project. The lens is chosen according to application areas photometric diagram.

PRODUCT CODE EXPENSION

*Ebatlar ve LED mik. / **D**imen. LED quantity*
*Işık rengi / Light **C**olor*
*Lens&Optik / Lens&**O**ptic*
***E**k parçalar / Extra parts*

SWH-D-C-O-E

SWH LUMINAIRE OPTIONS

SWH1 220V AC

D	**SWH136:** *350mA-36LEDs-43W-5.760Lm*
	SWH136: *500mA-36LEDs-63W-7.560Lm*
	SWH148: *350mA-48LEDs-57W-7.680Lm*
	SWH148: *500mA-48LEDs-83W-10.080Lm*
	SWH148: *700mA-48LEDs-120W-13.440Lm*
	SWH154: *350mA-54LEDs-64W-8.640Lm*
	SWH154: *500mA-54LEDs-94W-11.340Lm*
	SWH154: *700mA-54LEDs-135W-15.120Lm*

SWH2 220V AC

| **SWH260:** *700mA-60LEDs-150W-16.800Lm* |
| **SWH284:** *700mA-84LEDs-210W-23.520Lm* |

SWH2 PRO 220V

| **SWH260 Pro:** *700mA-60LEDs-150W-21.750Lm* |
| **SWH284 Pro:** *700mA-84LEDs-200W-25.000Lm* |
| **SWH230 Pro:** *525mA-30LEDs-200W-26.500Lm* |

Protection Class: IP66
Lifetime: 50.000 hours

StreetPole SWH

SUPPLEMENTARY PART OPTIONS SWH-D-C-O-**E**
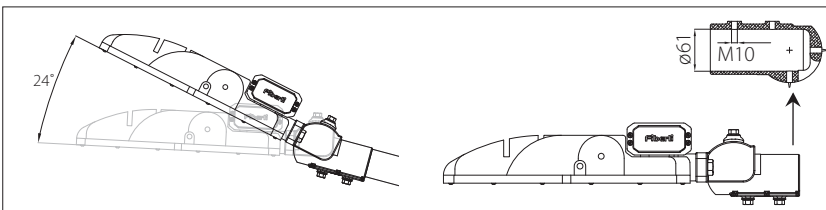

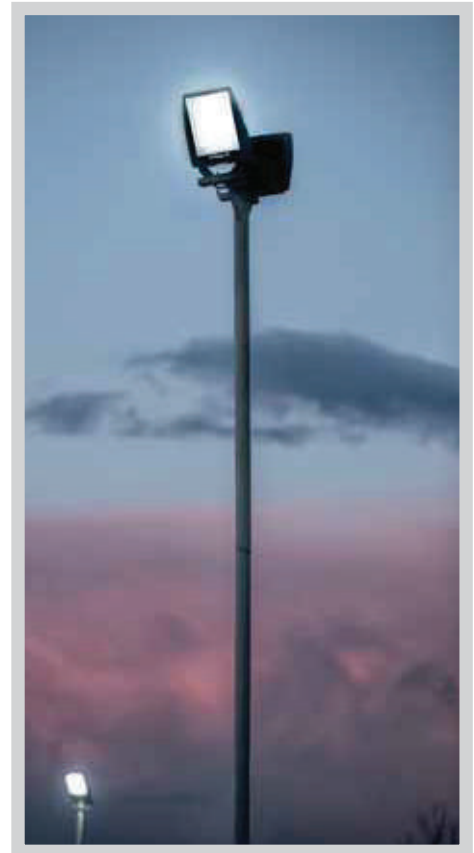| **E** **T:** *Tempered glass* | **E** **P:** *Polycarbonate* |

MOUNTING

The stand, which has been designed for the facilitation of mounting on a pole with a diameter of 60mm, enables the mounting of luminaire on the pole vertically and horizontally. Additionally, 24° angle adjustment, with 12° upward and 12° downward, can be performed.

StreetPole L2 — SPL2

Street Lamp

PRODUCT CODE EXPENSION

Güç / Power / Watt
Işık rengi / Light Color
Lens&Optik / Lens&Optic
Ek parçalar / Extra parts

SPL2-W-C-O-E

SPL2 220V AC

W	SPL212: *700mA-12LEDs-30W-3.350Lm*
	SPL224: *700mA-24LEDs-62W-6.720Lm*
	SPL248: *350mA-48LEDs-62W-7.680Lm*
	SPL248: *500mA-48LEDs-83W-10.080Lm*

SPL2 PRO 220V AC

| SPL248 Pro: *700mA-48LEDs-108W-15.000Lm* |
| SPL248 Pro: *1.050mA-48LEDs-160W-20.250Lm* |

APPLICATION AREAS

CromaStreet SPL2 is the LED street luminaire, designed to be used in areas such as highways, streets, gardens and squares.

ELECTROMECHANICAL SPECIFICATIONS — SPL2-W-C-O-E

- Aluminium injection body
- Mounting on pole
- Polycarbonate or tempered luminaire glass
- Aluminium injection side cover
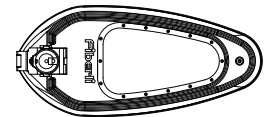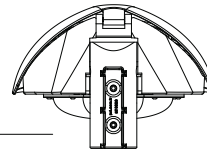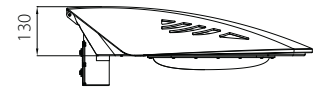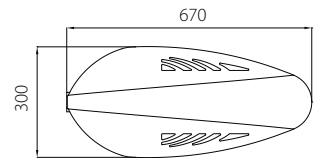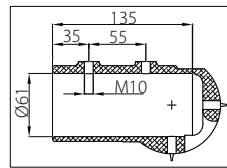
670

300

135

35 55

Ø61 M10

130

VOLTAGE SPECIFICATIONS

Mono colour luminaires are designed to be operative at 220V AC.

LIGHT COLOUR OPTIONS — SPL2-W-**C**-O-E

C	CW: *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS — SPL2-W-C-**O**-E
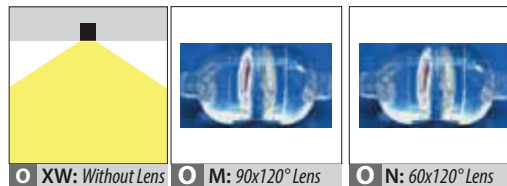
| **O** XW: *Without Lens* | **O** M: *90x120° Lens* | **O** N: *60x120° Lens* |

*Lens options of LEDs that is used in street and highway applications, is changeable according to the project. The lens is chosen according to application areas photometric diagram.

Protection Class: IP66
Lifetime: 50.000 hours

StreetPole L2

SUPPLEMENTARY PART OPTIONS   SPL2-W-C-O-**E**

| **E** **T:** *Tempered glass* | **E** **P:** *Polycarbonate* | **E** **B:** *Carboy* |

MOUNTING

The stand, which has been designed for the facilitation of mounting on a pole with a diameter of 60mm, enables the mounting of luminaire on the pole vertically and horizontally. Additionally, 24° angle adjustment, with 12° upward and 12° downward, can be performed.

Street Roll Beehive   SRB

Roll Beehive

APPLICATION AREAS

Street Roll Beehive is a decorative luminaire designed to be used outdoors with its modern appearance. This luminaire, which is used as an applique, is used to provide local lighting. It can, directly, be mounted on the wall or pipe by virtue of its mounting body.

ELECTROMECHANICAL SPECIFICATIONS   SRB-V-C-O-G

- Electrostatic powder coated aluminium body
- Electrostatic powder coated aluminium injection rear cooler
- Polycarbonate cover

PRODUCT CODE EXPENSION

SRB-V-C-O-G

Voltaj / Voltage
Işık rengi / Light Color
Lens&Optik / Lens&Optic
Gövde materyali / Body material

SRB 220V AC

SRB 9:	*9 LEDs - 12W - 1.125 Lm*
SRB 9:	*9 LEDs - 22W - 2.150 Lm*
SRB 12:	*12 LEDs - 28W - 2.750 Lm*

Dimensions: 357, 189, 280, 291, Ø168, 200, 291, 4000, Ø102, 1000, 200x200, 340

VOLTAGE SPECIFICATIONS

The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.

LIGHT COLOUR OPTIONS   SRB-V-**C**-O-G

C		C	
CW:	*Cold White - 4.700K-9.500K*	**R:**	*Red - 625nm*
NW:	*Natural White - 3.700K-4.700K*	**A:**	*Amber - 590nm*
WW:	*Warm White - 2.700K-3.700K*	**G:**	*Green - 525nm*
RGB:	*RGB*	**B:**	*Blue - 465nm*

Protection Class: IP65
Lifetime: 50.000 hours

Street Roll Beehive

LENS OPTIONS   SRB-V-C-**O**-G

O **XN:** *Extra Narrow*   **O** **M:** *Medium*   **O** **W:** *Wide*

O **NA:** *Narrow Elliptical*   **O** **MA:** *Medium Elliptical*

O **A:** *Asymmetric*
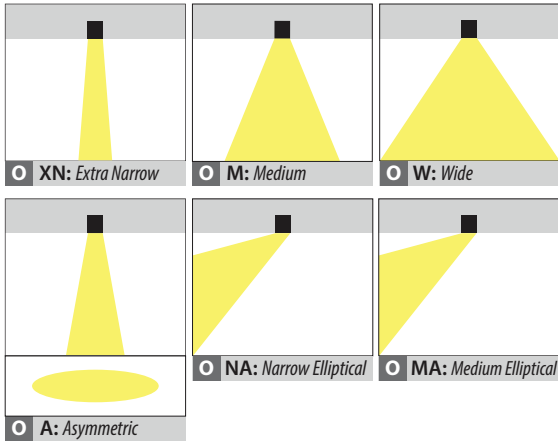
BODY COLOUR OPTIONS   SRB-V-C-O-**G**

G **G:** *Grey*   **G** **B:** *White*   **G** **S:** *Black*
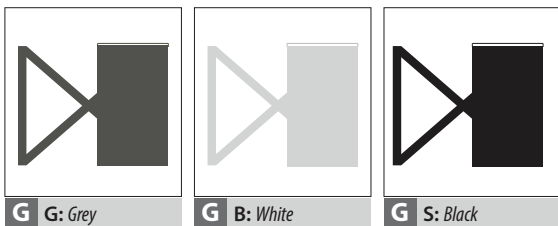
MOUNTING

The luminaires can be mounted on the ceiling or pole by means of mounting brackets.

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES
EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*
DMX1 - *DMX Control, 1 adress*
PWM - *PWM Control*

StreetPendant SCG5   SCG5

Street lamp

CromaStreet

PRODUCT CODE EXPENSION

Işık rengi / Light Color
Lens&Optik / Lens&Optic

SCG5- C - O

SCG5 220V AC

SCG5: *18 LEDs-25W-2.880Lm*

APPLICATION AREAS

StreetPendant SCG5 is the luminaire designed for alleys, where lampposts are not utilised. This luminaire is safely used by hanging on wire ropes.

ELECTROMECHANICAL SPECIFICATIONS   **SCG5**-C-O

- Stainless steel or white product frame
- Aluminium injection body
- Polycarbonate luminaire glass

LUMINAIRE DIMENSIONS AND LED QUANTITY
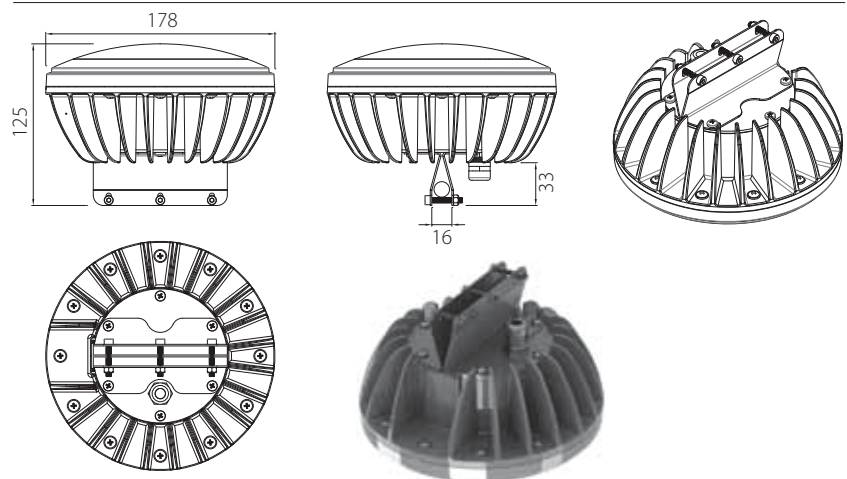
178
125
33
16

VOLTAGE SPECIFICATIONS

Mono colour luminaires are designed to be operative at 220V AC.

LIGHT COLOUR OPTIONS   SCG5-**C**-O

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

LENS OPTIONS   SCG5-C-**O**

| **O** XN: *Extra Narrow* | **O** M: *Medium* | **O** W: *Wide* | **O** XW: *Without Lens* |
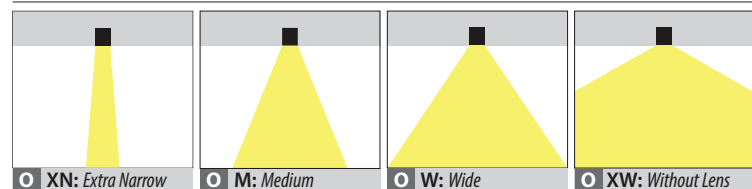
Protection Class: IP65
Lifetime: 50.000 hours

StreetPendant SCG5

MOUNTING

The luminaire can be fixed on steel cable by means of mounting brackets.

D
D:10mm / 12mm / 15mm
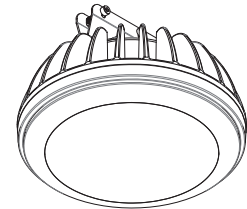
StreetPendant SWS | SWS

Street lamp

PRODUCT CODE EXPENSION

Voltaj / Voltage
Işık rengi / Light Color

SWS -V -C

SWS 220V AC
SWS36: *30cm-36 LEDs-50W -4.760Lm*
SWS24: *36cm-24 LEDs-27W -2.160Lm*

SWS 24V DC
**SWS36:** *30cm-36 LEDs-50W -4.760Lm*
SWS24: *36cm-24 LEDs-27W -2.160Lm*

APPLICATION AREAS

StreetPendant SWS is the suspended street luminaire, designed for avenues and streets. The direction of light of this luminaire can be adjusted through mounting on wire ropes or pipes.

ELECTROMECHANICAL SPECIFICATIONS | SWS-V-C

- Anodized aluminium housing
- Polycarbonate luminaire glass

min.120mm
max.180mm
120
143mm

SWS36: 300mm   SWS24: 360mm
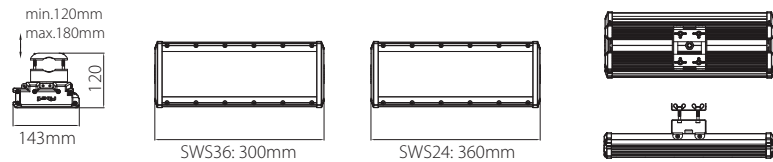
VOLTAGE OPTIONS | SWS-**V**-C

The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.

VOLTAGE OPTIONS	
V	**DC -** *24V*
	AC - *220-240V AC*

LIGHT COLOUR OPTIONS | SWS-V-**C**

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

Protection Class: IP65
Lifetime: 50.000 hours

StreetPendant SWS

MOUNTING

The luminaires can be mounted on cable or pole by means of mounting brackets.

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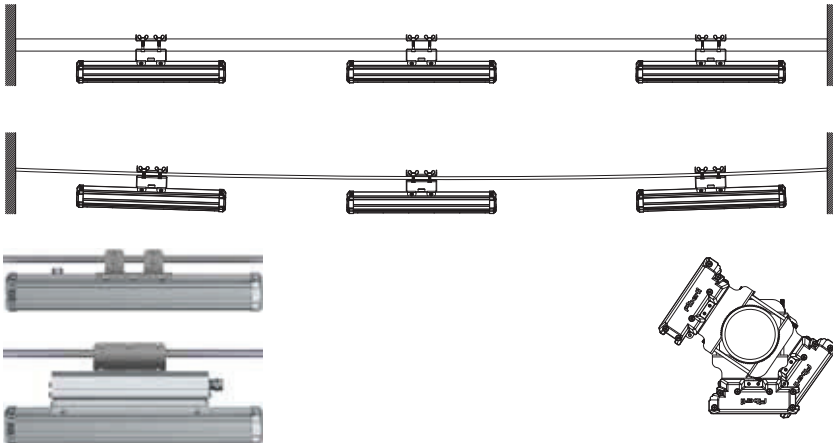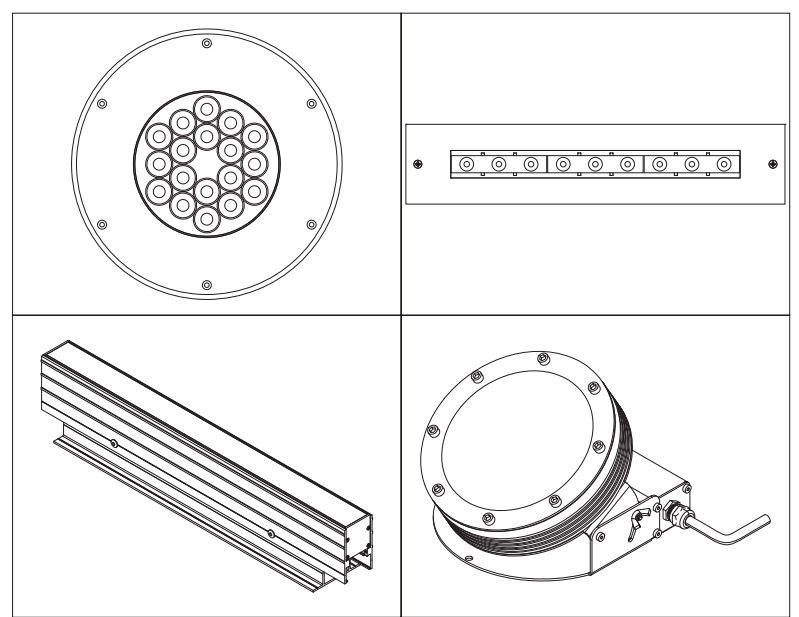
•CromaFloor®

CromaFloor provides ideal lighting solutions for both indoor and outdoor venues. These are LED luminaires which are recessed to the ground or mounted on the ground surface. They are, particularly, preferred for the lighting of parks, gardens and staircases. This luminaire does not harm the human skin with the low spot temperature, thus rendering the ground safe to walk around barefoot.

CF500	CF1	CF1-01	CF3	CF5
CF1Y	CF5Y	CFL	CFT	CFU33
CFU23				

CromaFloor® Product

CF500 | CromaFloor 500

CromaFloor 500 has been designed as a floor recessed miniature luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

CF1 | CromaFloor 1

CromaFloor 1 is a floor recessed luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

CF1-01 | CromaFloor 1-01

CromaFloor 1-01 is a floor recessed luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

CF3 | CromaFloor 3

CromaFloor 3 is a floor recessed luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

CF5 | CromaFloor 5

CromaFloor 5 is a floor recessed luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

CF1Y | CromaFloor 1Y

CromaFloor 1Y is the floor recessed luminaire utilised in areas such as sidewalks, pedestrian pathways and cycle paths. These luminaires can conveniently be used in every area due to their endurance towards heavy tonnage vehicles by virtue of their powerful structure.

CF5Y | CromaFloor 5Y

CromaFloor 5Y is the luminaire mounted on the floor surface. These are used for the lighting of structures such as monuments and statues.

CFL | CromaFloor L

CromaFloor L is the floor-recessed luminaire, utilised for in- and outdoor venues. This luminaire, which is highly impact-resistant, provides linear lighting solutions.

CFT | CromaFloor T

CromaFloor T is the floor-recessed luminaire, utilised for in- and outdoor venues. This luminaire, which is highly impact-resistant, provides linear lighting solutions.

CFU33 | CromaFloor U33

CromaFloor U33 is the floor-recessed luminaire, utilised for in- and outdoor venues. This luminaire, which offers continuous linear lighting solutions, is frequently preferred by architects and designers.

CFU23 | CromaFloor U23

CromaFloor U23 is the floor-recessed luminaire, utilised for in- and outdoor venues. This luminaire, which offers continuous linear lighting solutions, is frequently preferred by architects and designers.

CromaFloor 500   CF500

Recessed spot luminaire

PRODUCT CODE EXPENSION

Işık rengi / Light **C**olor
Lens&Optik / Lens&**O**ptic
Üst parçalar / **U**p parts

CF500-**C**-**O**-**U**

CF500 LUMINAIRE OPTIONS

CF500: *1 LED-1,5W-160Lm*

CF500 RGB: *1 LED-8W*
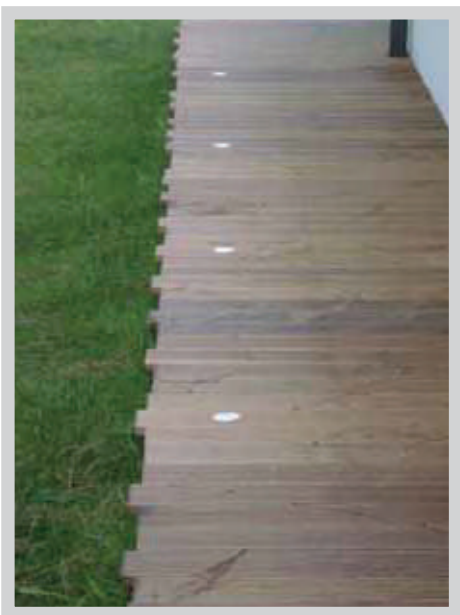
APPLICATION AREAS

CromaFloor 500 has been designed as a floor recessed miniature luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

ELECTROMECHANICAL SPECIFICATIONS   **CF500**-C-O-U

- Stainless steel body and stainless steel product frame
- Polycarbonate luminaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.

BODY SPECIFICATIONS

Ø50
Ø40
Ø34
50
92
40
102
35
89
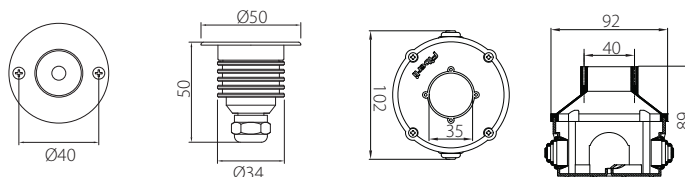
*All of the measurements for CromaFloor product groups are in mm.

LIGHT COLOUR OPTIONS

- Luminaires are designed to be operative at 12~24V DC, as standard.
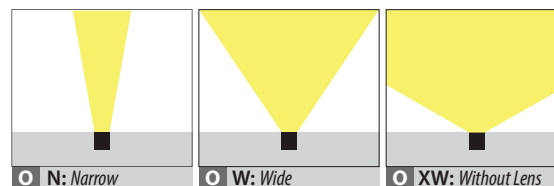- The colour-changing luminaires are produced as 7,5V DC, as standard.

LIGHT COLOR OPTIONS   CF500-**C**-O-U

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
F: *Full Color - 465-625nm*		**B:** *Blue - 465nm*	

LENS OPTIONS   CF500-C-**O**-U

O **N:** *Narrow*	**O** **W:** *Wide*	**O** **XW:** *Without Lens*

Protection Class: IP67

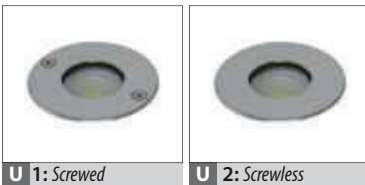*Lifetime: 50.000 hours*

CromaFloor 500

SUPPLEMENTARY PART OPTIONS CF500-C-O-**U**

U 1: *Screwed* **U** 2: *Screwless*

MOUNTING

The luminaire is placed within the mounting sleeve, pre-recessed to the floor.

The luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint.
The underwater cable joint must be used if underwater cable splicing is to be applied.

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*
DMX1 - *DMX Control, 1 adress*
PWM - *PWM Control*

CABLE JOINTS

I: Single outlet

CromaFloor 1   CF1

Recessed luminaire

PRODUCT CODE EXPENSION

CF1-**V**-**C**-**O**-**U**-**B**-**M**

Voltaj / Voltage
Işık rengi / Light Color
Lens&Optik / Lens&Optic
Üst parçalar / Up parts
Gövde materyali / Body material
Montaj / Mounting

CF1 LUMINAIRE OPTIONS

CF1 P3: *3 LEDs - 4,5W - 480 Lm*	
CF1 P3 RGB: *3 LEDs - 8W*	

CF1 BT6: *6 LEDs -2W - 180 Lm*	
CF1 BTF6: *6 LEDs - 1,5W*	

CF1 T12: *12 LEDs - 1,5W - 180 Lm*	
CF1 T18: *18 LEDs - 2W - 240Lm*	

APPLICATION AREAS

CromaFloor 1 is a floor recessed luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

ELECTROMECHANICAL SPECIFICATIONS   CF1-V-C-O-U-B-M

- Stainless steel product frame
- Aluminium injection body
- Tempered luminaire glass
- Renders safe and efficient operation without being affected by possible fluctuations within the mains voltage of LEDs by means of the constant current driver integrated to the luminaire.

Ø95
60
80
90
Ø80
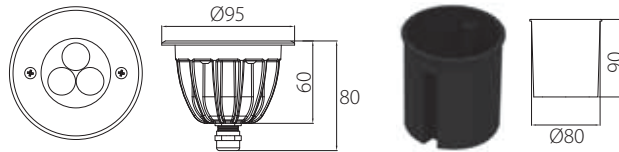
*All of the measurements for CromaFloor product groups are in mm.

VOLTAGE OPTIONS   CF1-**V**-C-O-U-B-M

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
V	**DC -** *12V~24V (Determined during product selection)*
	AC - *220V AC*

LIGHT COLOUR OPTIONS   CF1-V-**C**-O-U-B-M

P (PowerLED) (3535) *1W / 350mA - 3W / 700mA*			
C	**CW:** *Cold White - 4.700K-9.500K*	**C**	**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*
	RGB: *RGB*		**B:** *Blue - 465nm*

BT (Big TopLED) (5050) *3x20mA / 3x50mA 3 chips*	
C	**F:** *Full Color 465-625nm*

Protection Class: IP67
Lifetime: 50.000 hours

CromaFloor 1

LENS OPTIONS
CF1-V-C-**O**-U-B-M

| **O** XN: *Extra Narrow* | **O** M: *Medium* | **O** W: *Wide* | **O** XW: *Without Lens* |

| **O** A: *Asymmetric* | **O** NA: *Narrow Eliptical* | **O** MA: *Medium Eliptical* |
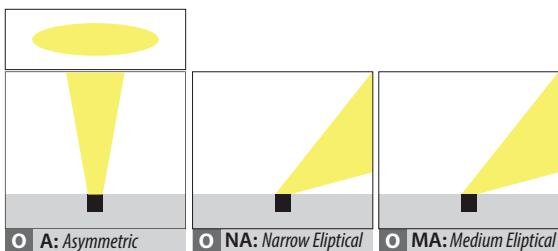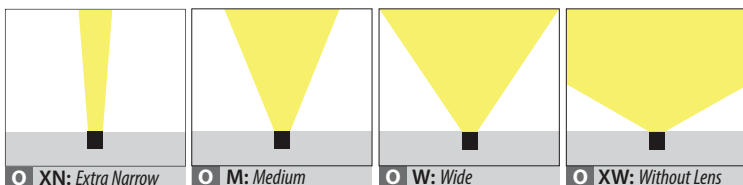
UPPER PART OPTIONS
CF1-V-C-O-**U**-B-M

The luminaire mirror may be circular or square.

U YC: *Circular stainless steel spot mirror*
YPC: *Circular bright stainless steel spot mirror*
YSN: *Circular satin nickel*

U KC: *Square stainless steel spot mirror*
KPC: *Square bright stainless steel spot mirror*
KSN: *Square satin nickel*

BODY MATERIAL
CF1-V-C-O-U-**B**-M

B 304: *304 stainless steel spot mirror*
B 316: *316 stainless steel spot mirror*
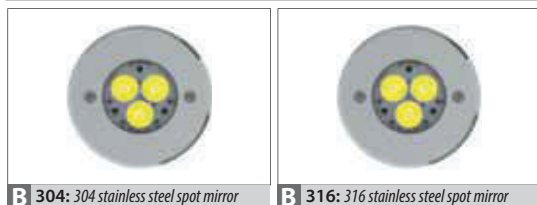
MOUNTING OPTIONS
CF1-V-C-O-U-B-**M**

The luminaire is recessed to the floor by means of screw or gasket.
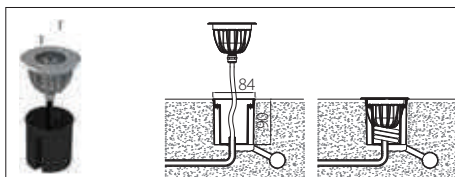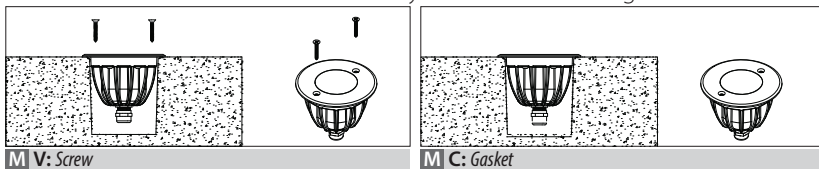
M V: *Screw*
M C: *Gasket*

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CONTROL SYSTEM OPTIONS
All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES
EXTERNAL CONTROLLER OPTIONS
DMX - *DMX Control, 3-4 adress*
DMX1 - *DMX Control, 1 adress*
PWM - *PWM Control*
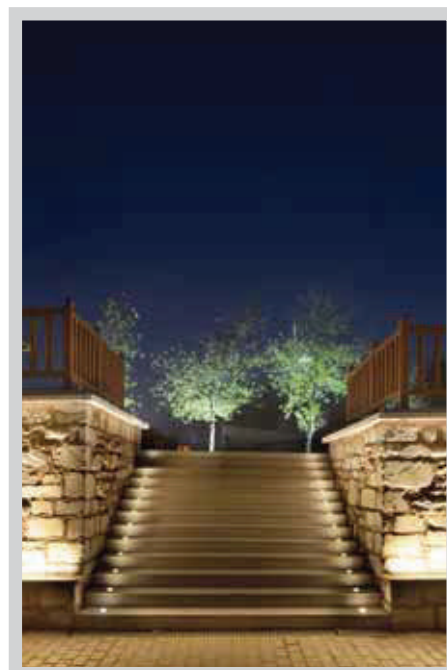
## CromaFloor 1-01 — CF1-01

Recessed luminaire

APPLICATION AREAS

CromaFloor 1-01 is a floor recessed luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

ELECTROMECHANICAL SPECIFICATIONS — CF1-01-C-O

- Aluminium injection body
- Stainless steel and aluminium product frame
- Polycarbonate or tempered luminaire glass
- Renders safe and efficient operation without being affected by possible fluctuations within the mains voltage of LEDs by means of the constant current driver integrated to the luminaire.

Ø120
100
3
36
Ø77
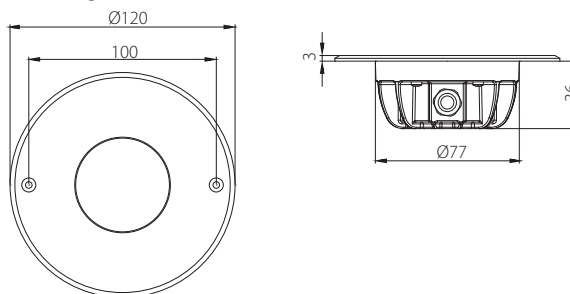
*All of the measurements for CromaFloor product groups are in mm.

VOLTAGE SPECIFICATIONS

Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.

LIGHT COLOUR OPTIONS — CF1-01-**C**-O

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
		B: *Blue - 465nm*	

PRODUCT CODE EXPENSION

Işık rengi / Light **C***olor*
*Lens&Optik / Lens&***O***ptic*

CF1-01-**C**-**O**

CF1-01 LUMINAIRE OPTIONS

CF1-01-P: *1 LED-2,5W-200 Lm*

Protection Class: IP67
Lifetime: 50.000 hours

CromaFloor 1-01

LENS OPTIONS

CF1-01-C-**O**

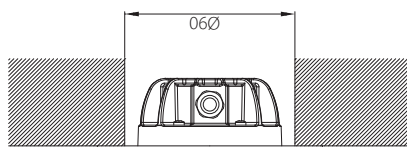|	
O XN: *Extra Narrow*	**O** M: *Medium*
O W: *Wide*	**O** XW: *Without Lens*
O A: *Asymmetric*	**O** NA: *Narrow Eliptical*
O MA: *Medium Eliptical*	
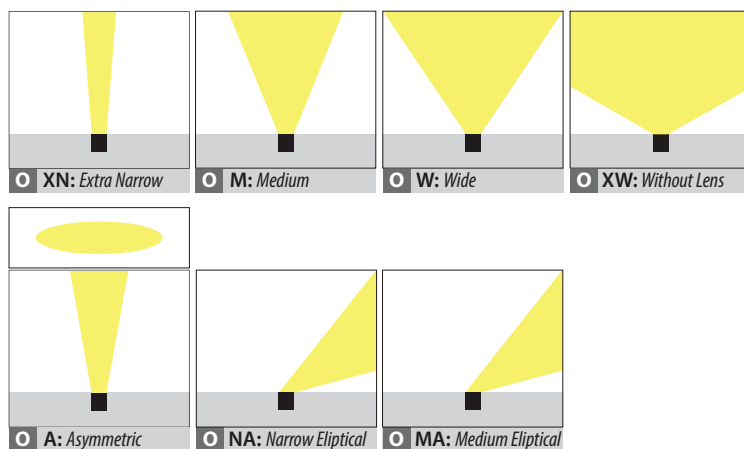
MOUNTING

The luminaires are recessed on the wall.

06Ø

CONTROL SYSTEM OPTIONS

All luminaires are manufactured to be controlled with PWM or DC 0-10V current. Other control options are designated at the power station which the luminaires are connected to

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

DMX1 - *DMX Control, 1 adress*

PWM - *PWM Control*

PRODUCT CODE EXPENSION

CF3 - **V** - **C** - **O** - **K** - **B**

- **V** — *Voltaj / Voltage*
- **C** — *Işık rengi / Ligh**t** **C**olor*
- **O** — *Lens&Optik / Lens&**O**ptic*
- **K** — *Kablo giriş-çıkış yeri / Cable in–out ways*
- **B** — *Gövde materyali / **B**ody material*

CF3 LUMINAIRE OPTIONS

CF3 P6:	*6 LEDs-8W-950Lm*
CF3 P9:	*9 LEDs-12,5W-1.440Lm*
CF3 RGB:	*9 LEDs-13W*
CF3 P9 DMX:	*9 LEDs-11,5W*
CF3 P9 DMX:	*9 LEDs-11,5W*

CromaFloor 3 — CF3

Recessed luminaire

APPLICATION AREAS

CromaFloor 3 is a floor recessed luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

ELECTROMECHANICAL SPECIFICATIONS — CF3-V-C-O-K-B

- Stainless steel product frame
- Aluminium injection body
- Tempered luminaire glass
- Renders safe and efficient operation without being affected by possible fluctuations within the mains voltage of LEDs by means of the constant current driver integrated to the luminaire.
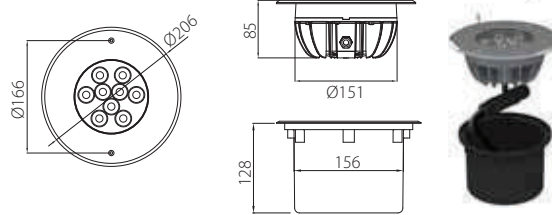
*All of the measurements for CromaFloor product groups are in mm.

VOLTAGE OPTIONS — CF3-**V**-C-O-K-B

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
V	**DC -** *12V~24V (Determined during product selection)*
	AC - *220V AC*

LIGHT COLOUR OPTIONS — CF3-V-**C**-O-K-B

C			C	
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*
	RGB: *RGB*			**B:** *Blue - 465nm*

Protection Class: IP67

Lifetime: 50.000 hours

CromaFloor 3

LENS OPTIONS   CF3-V-C-**O**-K-B

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*

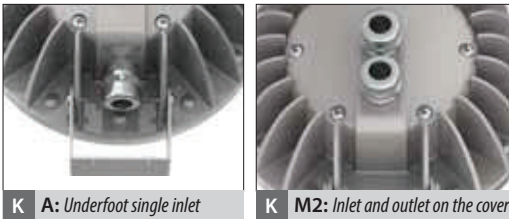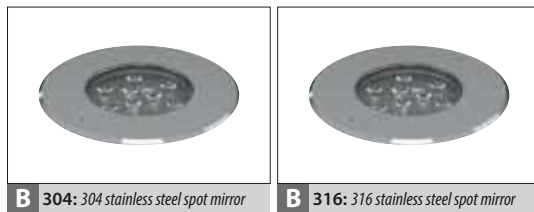|	
O NA: *Narrow Eliptical*	**O** MA: *Medium Eliptical*
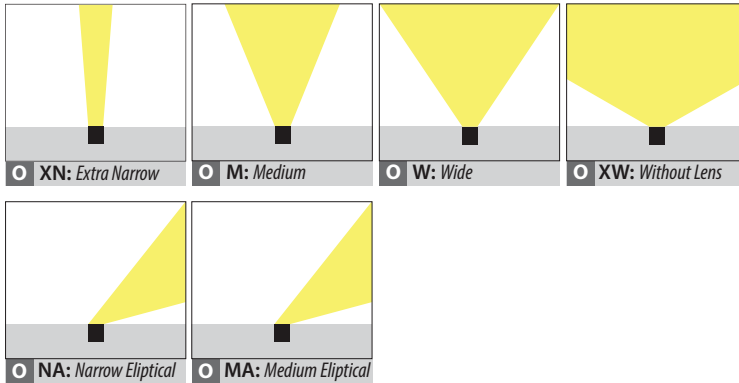
CABLE INLET POINTS OPTIONS   CF3-V-C-O-**K**-B

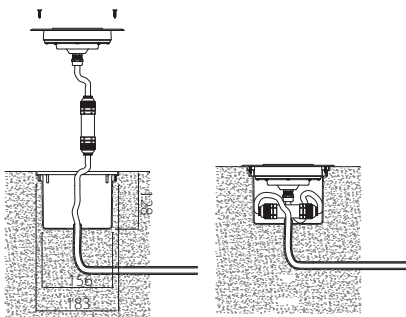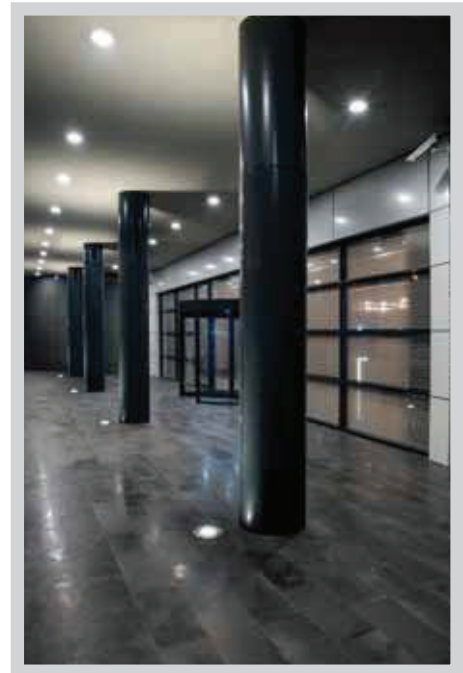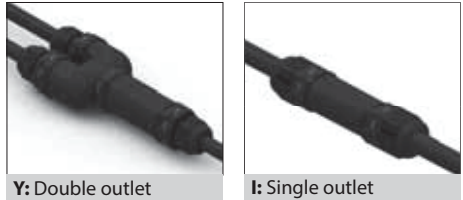Cable inlet points for 24 V luminaires may vary according to the form of mounting of the luminaire;

K A: *Underfoot single inlet*	**K** M2: *Inlet and outlet on the cover*

BODY MATERIAL   CF3-V-C-O-K-**B**

B 304: *304 stainless steel spot mirror*	**B** 316: *316 stainless steel spot mirror*

MOUNTING

CF3 is placed within the custom mounting sleeve, pre-recessed to the floor.

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

| **DMX -** *DMX Control, 3-4 adress* |
| **DMX1 -** *DMX Control, 1 adress* |
| **PWM -** *PWM Control* |

IP67 CABLE JOINTS

Y: Double outlet	**I:** Single outlet

CromaFloor 5 — CF5

Recessed luminaire

PRODUCT CODE EXPENSION

CF5 - **V** - **C** - **O** - **K** - **B**

Voltaj / Voltage
Işık rengi / Light Color
Lens&Optik / Lens&Optic
Kablo giriş-çıkış yeri / Cable in–out ways
Gövde materyali / Body material

CF5 LUMINAIRE OPTIONS

CF5 P12:	*12 LEDs-15W-1.800Lm*
CF5 P18:	*18 LEDs-25W-2.880Lm*
CF5 P18 RGB:	*18 LEDs-25W*
CF5 P18 DMX:	*18 LEDs-25W*
CF5 P18 PDMX:	*18 LEDs-25W*
CF5 P24 PDMX:	*24 LEDs-28W*

APPLICATION AREAS

CromaFloor 5 is a floor recessed luminaire. This luminaire does not harm the human skin with the low spot temperature, thus safely utilised on floors where walked on barefoot. Various light combinations can be achieved through its wide range of colour options and colour changing feature.

ELECTROMECHANICAL SPECIFICATIONS   CF5-V-C-O-K-B

- Stainless steel product frame
- Aluminium injection body
- Tempered luminaire glass
- Renders safe and efficient operation without being affected by possible fluctuations within the mains voltage of LEDs by means of the constant current driver integrated to the luminaire.

Ø220   Ø240   Ø186   138   85   Ø178
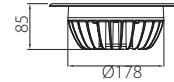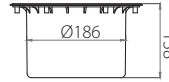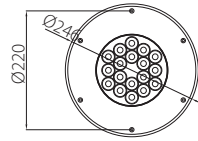
*All of the measurements for CromaFloor product groups are in mm.

VOLTAGE OPTIONS   CF5-**V**-C-O-K-B

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

	VOLTAGE OPTIONS
V	**DC -** *12V~24V (Determined during product selection)*
	AC - *220V AC*

LIGHT COLOUR OPTIONS   CF5-V-**C**-O-K-B

C			C	
	CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
	RGB: *RGB*		**B:** *Blue - 465nm*	

Protection Class: IP67
Lifetime: 50.000 hours

CromaFloor 5

LENS OPTIONS
CF5-V-C-**O**-K-B

O **XN:** *Extra Narrow*

O **M:** *Medium*

O **W:** *Wide*

O **XW:** *Without Lens*

O **NA:** *Narrow Eliptical*

O **MA:** *Medium Eliptical*
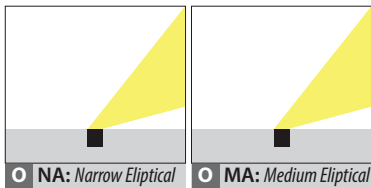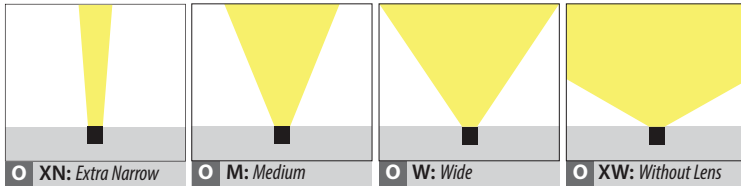
CABLE INLET POINTS OPTIONS
CF5-V-C-O-**K**-B

Cable inlet points for 24 V luminaires may vary according to the form of mounting of the luminaire;

K **A:** *Underfoot single inlet*

**K** **M2:** *Inlet and outlet on the cover*

BODY MATERIAL
CF5-V-C-O-K-**B**

B **304:** *304 stainless steel spot mirror*

B **316:** *316 stainless steel spot mirror*

MOUNTING

CF5 is placed within the custom mounting sleeve, pre-recessed to the floor.
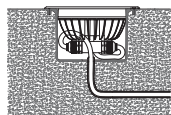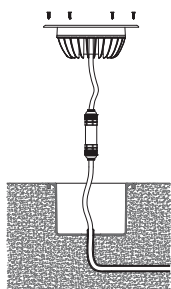
CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

DMX1 - *DMX Control, 1 adress*

PWM - *PWM Control*

IP67 CABLE JOINTS

I: Single outlet
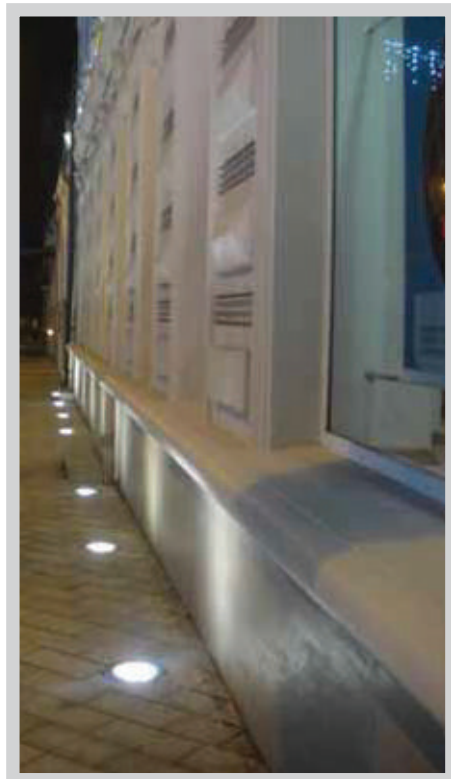
LED LIGHT CE

CromaFloor 1Y   CF1Y

Recessed luminaire

PRODUCT CODE EXPENSION

Voltaj / Voltage
Işık rengi / Light Color
Üst parçalar / Up parts
Montaj / Mounting

CF1Y-V-C-U-M

CF1Y LUMINAIRE OPTIONS

CF1Y P3: *3 LEDs - 4,5W - 480 Lm*	
CF1Y P3RGB: *3 LEDs - 8W*	
CF1Y BT6: *6 LEDs - 2W - 180 Lm*	
CF1Y BTF6: *6 LEDs - 1,5W*	
CF1Y T12: *12 LEDs - 1,5W - 180 Lm*	
CF1Y T18: *18 LEDs - 2W - 240Lm*	

APPLICATION AREAS

CromaFloor 1Y is the floor recessed luminaire utilised in areas such as sidewalks, pedestrian pathways and cycle paths. These luminaires can conveniently be used in every area due to their endurance towards heavy tonnage vehicles by virtue of their powerful structure.

ELECTROMECHANICAL SPECIFICATIONS   **CF1Y**-V-C-U-M

- Aluminium injection body
- Polycarbonate luminaire glass
- Renders safe and efficient operation without being affected by possible fluctuations within the mains voltage of LEDs by means of the constant current driver integrated to the luminaire.

Ø110
20
80
90
Ø80
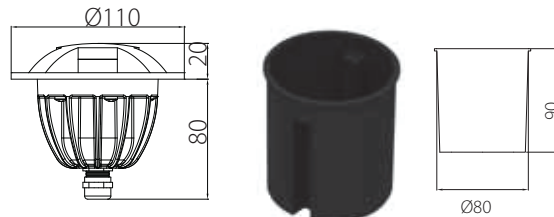
*All of the measurements for CromaFloor product groups are in mm.

VOLTAGE OPTIONS   CF1Y-**V**-C-U-M

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
V	**DC -** *12V~24V (Determined during product selection)*
	AC - *220V AC*

LIGHT COLOUR OPTIONS   CF1Y-V-**C**-U-M

P (PowerLED) (3535) 1W / 350mA - 3W / 700mA

	C		C	
	CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
	RGB: *RGB*		**B:** *Blue - 465nm*	

BT (Big TopLED) (5050) 3x20mA / 3x50mA 3 chips

C	**F:** *Full Color 465-625nm*

Protection Class: IP67

Lifetime: 50.000 hours

CromaFloor 1Y

UPPER PART OPTIONS   CF1Y-V-C-**U**-M

| **U** 1: *Single-side spot mirror* | **U** 2: *Dual-side spot mirror* | **U** 4: *Four-side spot mirror* |

MOUNTING OPTIONS   CF1Y-V-C-U-**M**

The luminaire is recessed to the floor by means of screw or gasket.

| **M** **V:** *Screw mounting* | **M** **C:** *Gasket mounting* |

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES
EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

DMX1 - *DMX Control, 1 adress*

PWM - *PWM Control*

CromaFloor 5Y   CF5Y

Surface luminaire

PRODUCT CODE EXPENSION

CF5Y - V - C - O

Voltaj / Voltage
Işık rengi / Light Color
Lens&Optik / Lens&Optic

CF5Y LUMINAIRE OPTIONS

CF5Y P18: *18 LEDs - 25W - 2.880 Lm*

CF5Y P18 RGB: *18 LEDs - 25W*

APPLICATION AREAS

CromaFloor 5Y is the luminaire mounted on the floor surface. These are used for the lighting of structures such as monuments and statues.

ELECTROMECHANICAL SPECIFICATIONS   **CF5Y**-V-C-O

- Stainless steel product frame
- Solid aluminium body
- Stainless steel mounting brackets
- Polycarbonate luminaire glass
- Renders safe and efficient operation without being affected by possible fluctuations within the mains voltage of LEDs by means of the constant current driver integrated to the luminaire.

94
175
215
170
135
188
30°
215
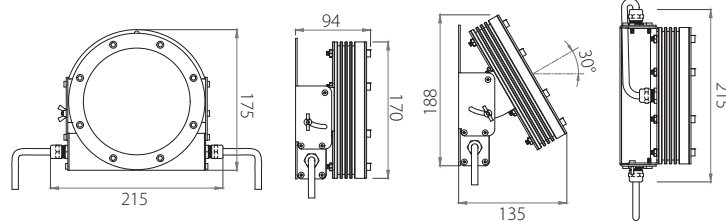
*All of the measurements for CromaFloor product groups are in mm.

VOLTAGE OPTIONS   CF5Y-**V**-C-O

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
V	**DC -** *12V~24V (Determined during product selection)*
	AC - *220V AC*

LIGHT COLOUR OPTIONS   CF5Y-V-**C**-O

C			C		
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*	
	RGB: *RGB*			**B:** *Blue - 465nm*	

LENS OPTIONS   CF5Y-V-C-**O**

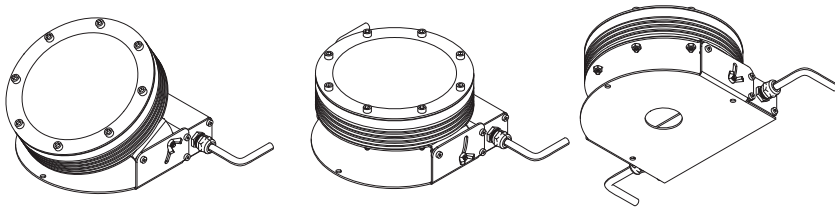| **O** XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Lensless*
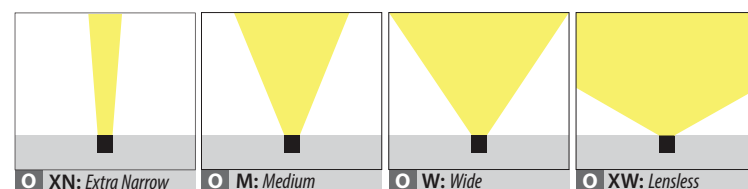
Protection Class: IP67

Lifetime: 50.000 hours

CromaFloor 5Y

MOUNTING

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES
EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

DMX1 - *DMX Control, 1 adress*

PWM - *PWM Control*

IP67 CABLE JOINTS

Y: Double outlet   **I:** Single outlet

CromaFloor L CFL
Recessed luminaire

PRODUCT CODE EXPENSION

CFL-**V**-**C**-**O**-**K**-**B**

- **V**oltaj / Voltage
- Işık rengi / Light **C**olor
- Lens&**O**ptik / Lens&**O**ptic
- **K**ablo giriş-çıkış / Cable in-out way
- Gövde materyali / **B**ody material

POWERLED-CFL OPTIONS
DC / PWM RGB

CFL109 RGB:	*30cm-9 LEDs-12,6W-12V*
CFL218 RGB:	*60cm-18 LEDs-25,2W-24V*
CFL327 RGB:	*90cm-27 LEDs-37,8W-12V*
CFL436 RGB:	*120cm-36 LEDs-50,4W-24V*

220V AC / Mono Color

CFL 033:	*10cm-3 LEDs-4W-480Lm*
CFL 066:	*20cm-6 LEDs-8W -960Lm*
CFL109:	*30cm-9 LEDs-13,5W -1.440Lm*
CFL218:	*60cm-18 LEDs-27W -2.880 Lm*
CFL327:	*90cm-27 LEDs-40,5W -4.320Lm*
CFL436:	*120cm-36 LEDs-54W -5.760Lm*

220-240V AC / DMX RGB

CFL09 DMX:	*30cm-9 LEDs-16W-3 Adress*
CFL218 DMX:	*60cm-18 LEDs-25W-3 Adress*
CFL327 DMX:	*90cm-27 LEDs-36W-3 Adress*
CFL436 DMX:	*120cm-36 LEDs-48W-3 Adress*

LEDLINE-CFL OPTIONS
Big TopLED FullColor

CFL40-BT24-F:	*24V DC - 5,6W*
CFL80-BT48-F:	*24V DC - 11,2W*
CFL120-BT72-F:	*24V DC - 16,8W*
CFL160-BT96-F:	*24V DC - 22,4W*

Power TopLED

CFL40-PT24:	*24V DC - 9,6W - 1.080Lm*
CFL80-PT48:	*24V DC - 19,2W - 2.160Lm*
CFL120-PT72:	*24V DC - 28,8W - 3.240Lm*
CFL160-PT96:	*24V DC - 38,4W - 4.320Lm*

DMX Big TopLED

CFL40-X45:	*24V DC - 4,32W/m - 3 pixel*
CFL80-X45:	*24V DC - 8,64W/m - 6 pixel*
CFL120-X45:	*24V DC - 12,96W/m - 9 pixel*
CFL160-X45:	*24V DC - 19,44W/m - 12 pixel*

Protection Class: IP67
Lifetime: 50.000 hours

APPLICATION AREAS

CromaFloor L is the floor-recessed luminaire, utilised for in- and outdoor venues. This luminaire, which is highly impact-resistant, provides linear lighting solutions.

ELECTROMECHANICAL SPECIFICATIONS   CFL-V-C-O-K-B

- Anodized aluminium housing
- Stainless steel product frame
- Polycarbonate luminaire glass
- Aluminium injection side cover
- LEDLine and PowerLED options.

BODY SPECIFICATIONS

75   80
65   76
45   71   L1   76
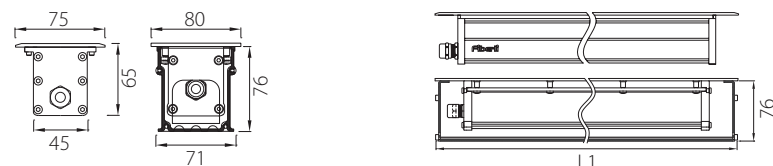
All of the measurements for CromaFloor product groups are in mm.

LEDLine with CFL

CFL40	*A = 490mm*
CFL80	*A = 890mm*
CFL120	*A = 1290mm*
CFL160	*A = 1690mm*

A   45   45   80   27,6
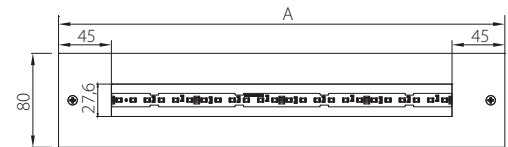
PowerLED with CFL

|	
CFL109	*A = 380mm*
CFL218	*A = 670mm*
CFL327	*A = 960mm*
CFL436	*A = 1250mm*

A   45   45   80   27,6
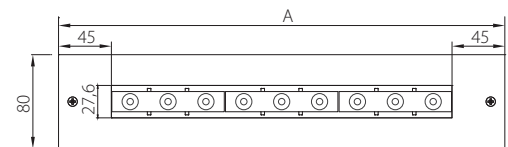
VOLTAGE OPTIONS   CFL-**V**-C-O-K-B

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as 24V DC supplied compatible with the product.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
V	**DC -** *12V~24V (Determined during product selection)*
	AC - *220V AC*
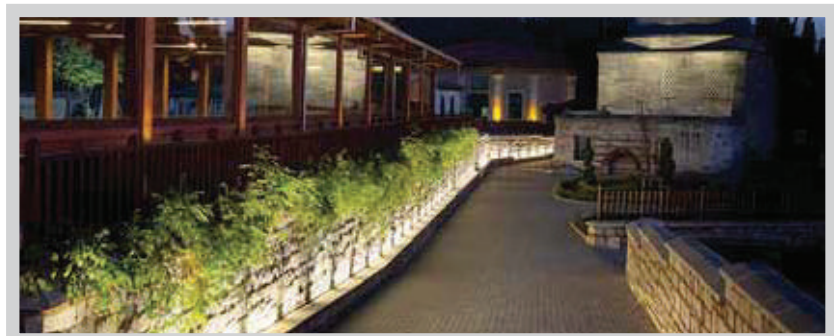
CromaFloor L

LIGHT COLOUR OPTIONS
CFL-V-**C**-O-K-B

C			C		
	CW: *Cold White - 4.700K-9.500K*			**RGBA:** *RGBA*	
	NW: *Natural White - 3.700K-4.700K*			**R:** *Red - 625nm*	
	WW: *Warm White - 2.700K-3.700K*			**A:** *Amber - 590nm*	
	RGB: *RGB*			**G:** *Green - 525nm*	
	RGBW: *RGBW*			**B:** *Blue - 465nm*	
	F: *Full Color*				

LENS OPTIONS
CFL-V-C-**O**-K-B

O XN: *Extra Narrow*   **O N:** *Narrow*   **O W:** *Wide*   **O XW:** *Without Lens*

O A: *Asymmetric*   **O NA:** *Narrow Eliptical*   **O MA:** *Medium Eliptical*
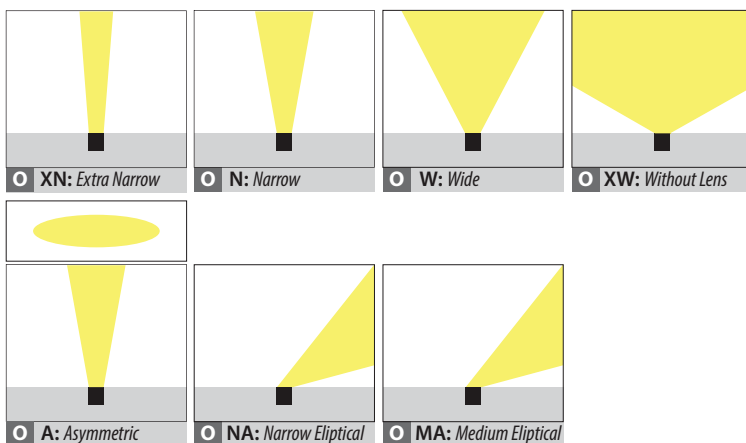
CABLE INLET POINTS OPTIONS
CFL-V-C-O-**K**-B

Cable inlet point may vary according to the location of mounting. Other options can be applied instead of the cable inlet from the left cover (LPI), if specified prior to order.

K LPI: *Left side cover inlet*

K RPI: *Right side cover inlet*

K SIO: *Inlet and outlet from both sides*

BODY MATERIAL
CFL-V-C-O-K-**B**

B 304: *304 stainless steel spot mirror*   **B 316:** *316 stainless steel spot mirror*

CONTROL SYSTEM OPTIONS

The power supplies of these luminaires are internal. Power supplies are used externally, in cases where control system is used. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS

UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS

UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

CromaFloor T — CFT
Recessed luminaire

PRODUCT CODE EXPENSION

CFT-**C**-**O**-**K**-**M**

Işık rengi / Light Color
Lens&Optik / Lens&Optic
Kablo giriş-çıkış / Cable in-out way
Montaj / Mounting

LEDLINE-CFT OPTIONS

TopLED FullColor - RGB

CFT40-BT24-F:	*24V DC - 5,6W*
CFT80-BT48-F:	*24V DC - 11,2W*
CFT120-BT72-F:	*24V DC - 16,8W*
CFT160-BT96-F:	*24V DC - 22,4W*

Power TopLED

CFT40-PT24:	*24V DC - 9,6W - 1.080Lm*
CFT80-PT48:	*24V DC - 19,2W - 2.160Lm*
CFT120-PT72:	*24V DC - 28,8W - 3.240Lm*
CFT160-PT96:	*24V DC - 38,4W - 4.320Lm*

DMX Big TopLED

CFT40-X45:	*24V DC - 4,32W/m - 3 pixel*
CFT80-X45:	*24V DC - 8,64W/m - 6 pixel*
CFT120-X45:	*24V DC - 12,96W/m - 9 pixel*
CFT160-X45:	*24V DC - 19,44W/m - 12 pixel*

POWERLED-CFT OPTIONS

DC / PWM RGB

CFT109-RGB:	*30cm - 9 LEDs - 12,6W-12V*
CFT218-RGB:	*60cm - 18 LEDs - 25,2W-24V*
CFT327-RGB:	*90cm - 27 LEDs - 37,8W-12V*
CFT436-RGB:	*120cm - 36 LEDs - 50,4W-24V*

Protection Class: IP44
Lifetime: 50.000 hours

APPLICATION AREAS

CromaFloor T is the floor-recessed luminaire, utilised for in- and outdoor venues. This luminaire, which is highly impact-resistant, provides linear lighting solutions.

ELECTROMECHANICAL SPECIFICATIONS — CFT-C-O-K-M

- Anodized aluminium housing
- Polycarbonate luminaire glass
- Aluminium injection side cover
- LEDLine and PowerLED options.

BODY SPECIFICATIONS

LEDLine with CFT

CFT40	*L = 410mm*
CFT80	*L = 810mm*
CFT120	*L = 1210mm*
CFT160	*L = 1610mm*
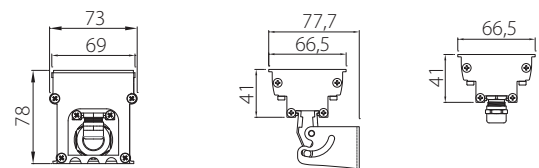
PowerLED with CFT

CFT109	*L = 310mm*
CFT218	*L = 610mm*
CFT327	*L = 910mm*
CFT436	*L = 1210mm*
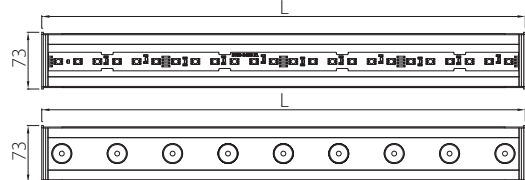
All of the measurements for CromaFloor product groups are in mm.

VOLTAGE SPECIFICATIONS

Luminaires are designed to be operative at 12V~24V DC, as standard.

LIGHT COLOUR OPTIONS — CFT-**C**-O-K-M

CW:	*Cold White - 4.700K-9.500K*
NW:	*Natural White - 3.700K-4.700K*
WW:	*Warm White - 2.700K-3.700K*
F:	*RGB*

R:	*Red - 625nm*
A:	*Amber - 590nm*
G:	*Green - 525nm*
B:	*Blue - 465nm*

CromaFloor T

LENS OPTIONS   CFT-C-**O**-K-M

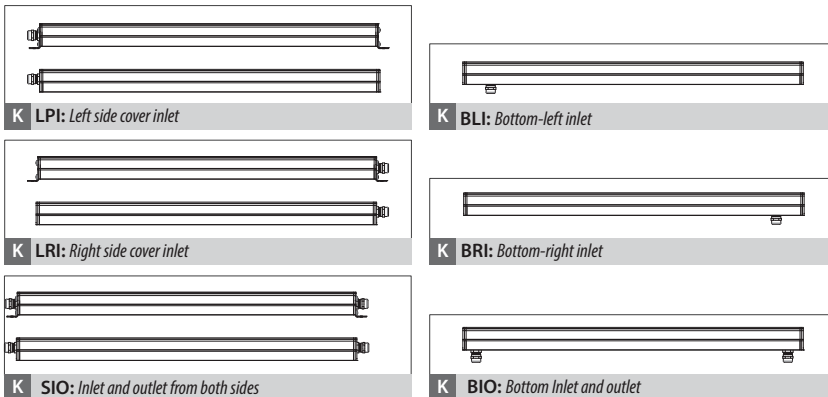|		
O N: *Narrow*	**O** M: *Medium*	**O** XW: *Without Lens*
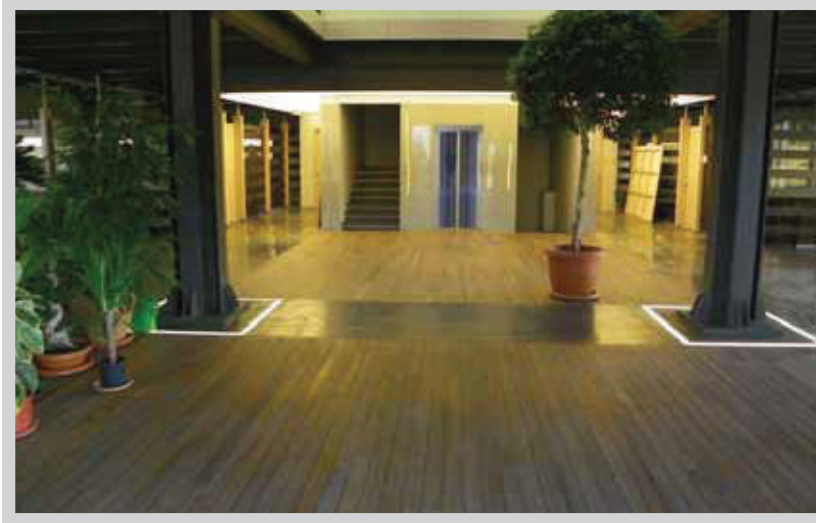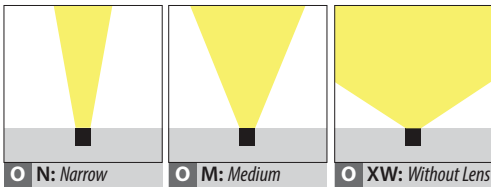
CABLE INLET POINTS OPTIONS   CFT-C-O-**K**-M

Cable inlet point may vary according to the location of mounting. Other options can be applied instead of the cable inlet from the left cover (LPI), if specified prior to order.

K LPI: *Left side cover inlet*	**K** BLI: *Bottom-left inlet*
K LRI: *Right side cover inlet*	**K** BRI: *Bottom-right inlet*
K SIO: *Inlet and outlet from both sides*	**K** BIO: *Bottom Inlet and outlet*

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

CromaFloor T

MOUNTING OPTIONS

CFT-C-O-K-**M**

The luminaires are mounted to the floor-recessed housing.
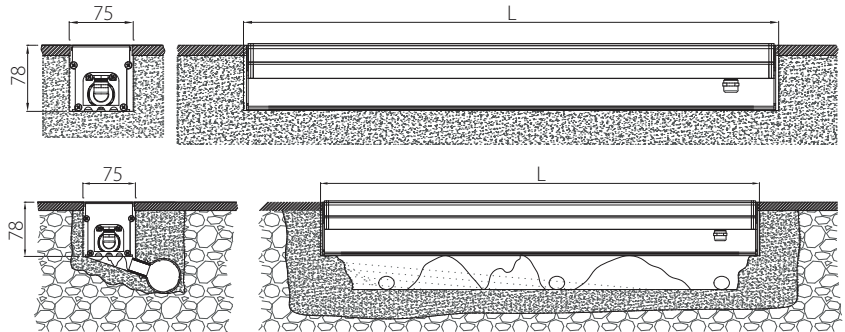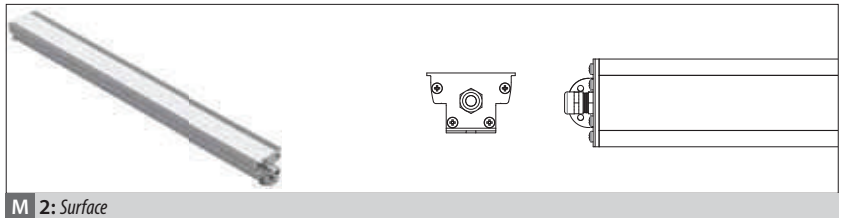
| M | **1:** *Recessed* |

| M | **2:** *Surface* |

| M | **3:** *Stand* |
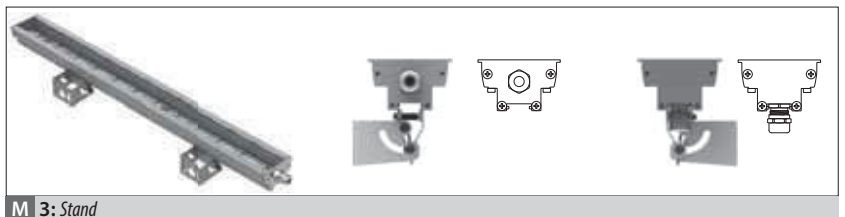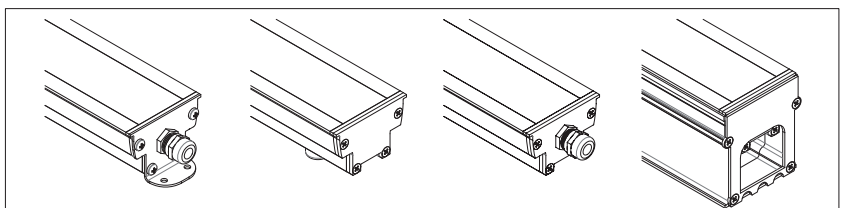
CONTROL SYSTEM OPTIONS

The power supplies of these luminaires are internal. Power supplies are used externally, in cases where control system is used. Control systems are selected from the external accessories table.

CromaFloor T

CromaFloor U33 — CFU33

Recessed luminaire

APPLICATION AREAS

CromaFloor U33 is the floor-recessed luminaire, utilised for in- and outdoor venues. This luminaire, which offers continuous linear lighting solutions, is frequently preferred by architects and designers.

ELECTROMECHANICAL SPECIFICATIONS — CFU33-C-K

- Anodized aluminium housing
- Upgraded IP class with polymer coating
- White polymer-coated, homogeneous light output upper surface
- Luminaires are designed to be operative at 24V DC, as standard.
- IP67 female-male connector output

BODY SPECIFICATIONS

39
33
80
2
52
64
L

All of the measurements for CromaFloor product groups are in mm.
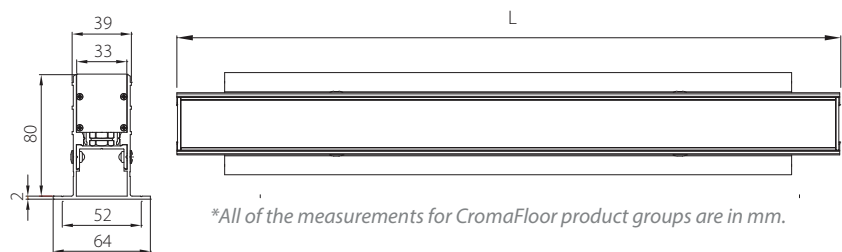
CFU33 40	L = 410mm
CFU33 80	L = 810mm
CFU33 120	L = 1210mm
CFU33 160	L = 1610mm
CFU33 200	L = 2010mm

LIGHT COLOUR OPTIONS — CFU33-**C**-K

C			C	
	CW: Cold White - 4.700K-9.500K		**R:** Red - 625nm
	NW: Natural White - 3.700K-4.700K		**A:** Amber - 590nm
	WW: Warm White - 2.700K-3.700K		**G:** Green - 525nm
	F: RGB		**B:** Blue - 465nm

PRODUCT CODE EXPENSION

Işık rengi / Light Color
Kablo giriş-çıkış / Cable in-out way

CFU33 -C-K

CFU33 LUMINAIRE OPTIONS

TopLED

CFU33 T60:	24V DC - 4,8W/m - 240Lm/m
CFU33 T90:	24V DC - 7,2W/m - 360Lm/m
CFU33 T180:	24V DC - 14,4W/m - 720Lm/m

Power TopLED

CFU33 PT45R:	24V DC - 18W/m - 1.000Lm/m
CFU33 PT60R:	24V DC - 24W/m -1.350Lm/m

Big TopLED Full Color

CFU33 BT45R:	24V DC - 10,8W/m
CFU33 BT60R:	24V DC - 14,4W/m
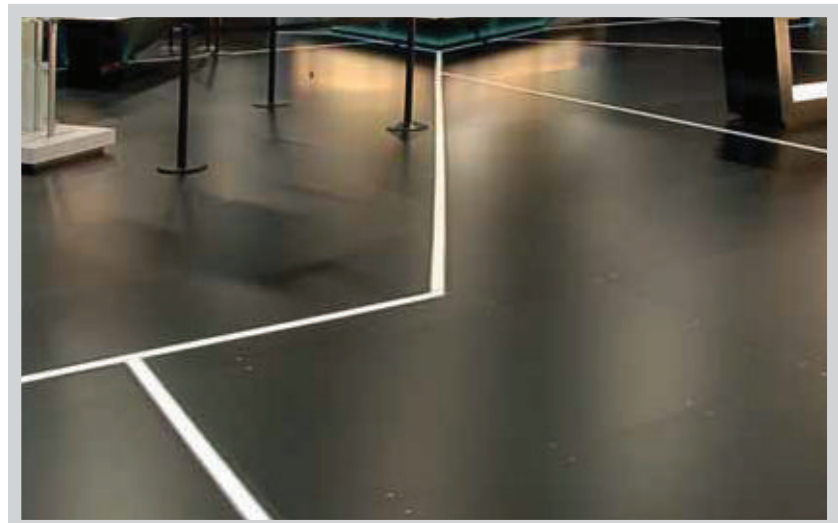
Protection Class: IP67
Lifetime: 50.000 hours

CromaFloor U33

CABLE INLET POINTS OPTIONS

CFU33-C-**K**

Cable inlet point may vary according to the location of mounting. Other options can be applied instead of the cable inlet from the left cover (LPI), if specified prior to order.
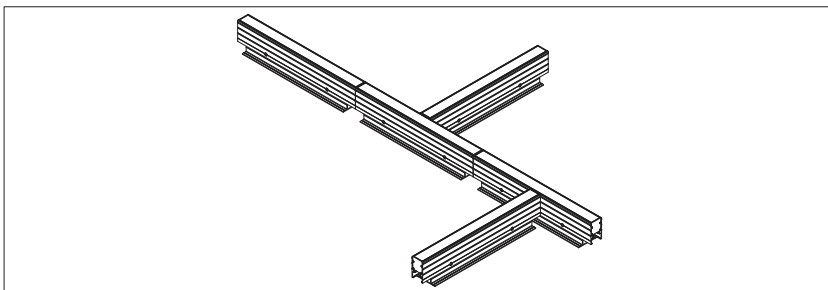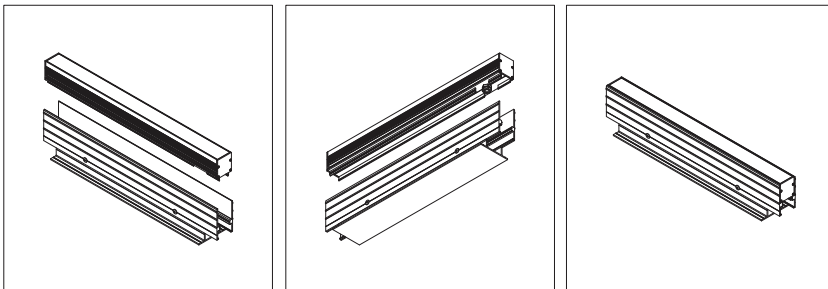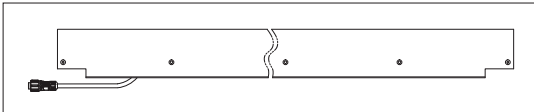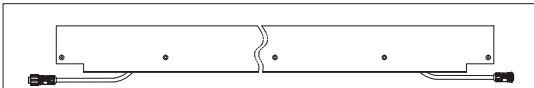

| **K** | **1:** *Single-side cover inlet* |

| **K** | **2:** *Inlet and outlet from both sides* |

MOUNTING

The luminaires are recessed to the floor. The luminaires ensure continuity with a linear appearance through end-to-end attachment peculiar to their custom design. They enable application without enforcing any limits.

CONTROL SYSTEM OPTIONS

The power supplies of these luminaires are internal. Power supplies are used externally, in cases where control system is used. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

CromaFloor U23 — CFU23

Recessed luminaire

APPLICATION AREAS

CromaFloor U23 is the floor-recessed luminaire, utilised for in- and outdoor venues. This luminaire, which offers continuous linear lighting solutions, is frequently preferred by architects and designers.

ELECTROMECHANICAL SPECIFICATIONS — CFU23-C-K

- Anodized aluminium housing
- Upgraded IP class with polymer coating
- White polymer-coated, homogeneous light output upper surface
- Luminaires are designed to be operative at 24V DC, as standard.
- IP67 female-male connector output

BODY SPECIFICATIONS

29 / 23 / 80 / 2 / 42 / 54 / L

All of the measurements for CromaFloor product groups are in mm.
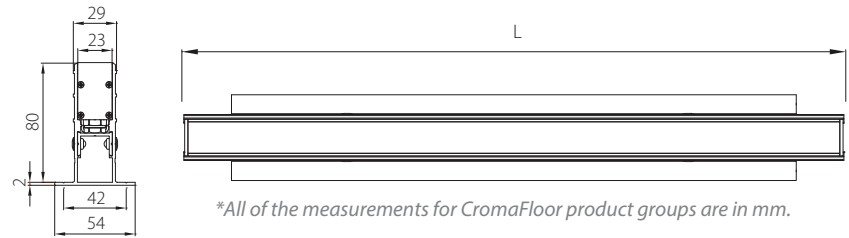
CFU23 40	L = 410mm
CFU23 80	L = 810mm
CFU23 120	L = 1210mm
CFU23 160	L = 1610mm
CFU23 200	L = 2010mm

LIGHT COLOUR OPTIONS — CFU23-C-K

C: CW: Cold White - 4.700K-9.500K / NW: Natural White - 3.700K-4.700K / WW: Warm White - 2.700K-3.700K / F: RGB

C: R: Red - 625nm / A: Amber - 590nm / G: Green - 525nm / B: Blue - 465nm

PRODUCT CODE EXPENSION

Işık rengi / Light Color
Kablo giriş-çıkış / Cable in-out way

CFU23 -C-K

CFU23 LUMINAIRE OPTIONS

TopLED
- CFU23-T60: 24V DC - 4,8W/m - 240Lm/m
- CFU23-T90: 24V DC - 7,2W/m - 360Lm/m
- CFU23-T180: 24V DC - 14,4W/m - 720Lm/m

Power TopLED
- CFU23-PT45R: 24V DC - 18W/m - 1.000Lm/m
- CFU23-PT60R: 24V DC - 24W/m -1.350Lm/m

Big TopLED Full Color
- CFU23-BT45R: 24V DC - 10,8W/m
- CFU23-BT60R: 24V DC - 14,4W/m

Protection Class: IP67
Lifetime: 50.000 hours

CromaFloor U23

CABLE INLET POINTS OPTIONS

CFU23-C-**K**

Cable inlet point may vary according to the location of mounting. Other options can be applied instead of the cable inlet from the left cover (LPI), if specified prior to order.
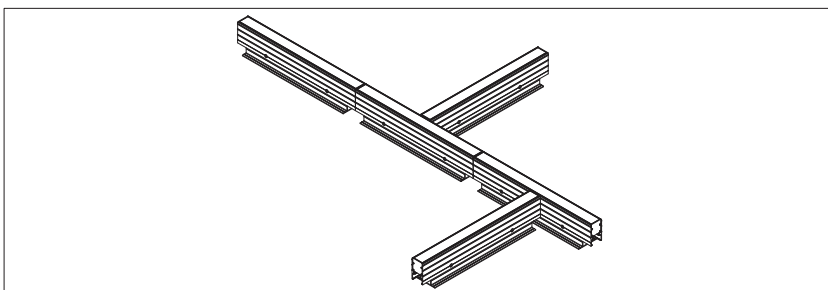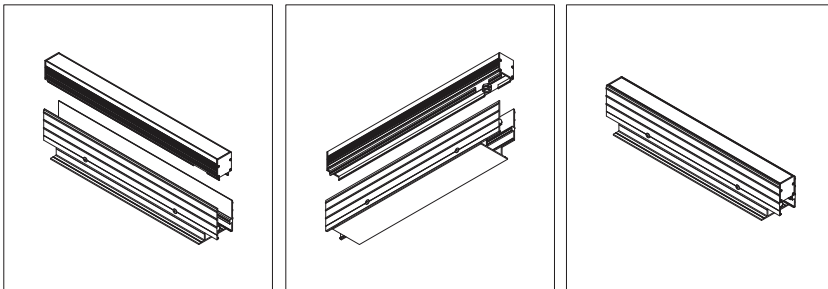

| **K** | **1:** *Single-side cover inlet* |

| **K** | **2:** *Inlet and outlet from both sides* |

MOUNTING

The luminaires are recessed to the floor. The luminaires ensure continuity with a linear appearance through end-to-end attachment peculiar to their custom design. They enable application without enforcing any limits.

CONTROL SYSTEM OPTIONS

The power supplies of these luminaires are internal. Power supplies are used externally, in cases where control system is used. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DIMMER OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX1 - *DMX Control, 1 adress*
DALI - *DALI Control*
0-10V DC - *Analog 0-10V DC Control*
TRC - *TRIAC Control*

COLOR CONTROL OPTIONS
UKR - *RF Remote Control*
PWM - *PWM Control*
DMX - *DMX Control, 1 adress*
DMX - *DMX Control, 3-4 adress*

•AquaCroma®

AquaCroma series has been designed to be utilized under water or in regions close to water. Generates more luminous flux with lesser energy. Provides solutions of high quality and efficiency by virtue of powerful technical structures.

AC500F	AC500N	AC1F	AC1N	AC1J

AC3F	AC3N	AC5F	AC5N	AC5G

AC5K	AC5Y

AquaCroma® Products

AC500F — AquaCroma 500F

AquaCroma 500F is the ground-recessed pool light, with a long lifetime, designed for ornamental pools and fountains. The body of this luminaire is applied in a manner, to be completely kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

AC500N — AquaCroma 500N

AquaCroma 500N is the nozzle spot, with a long lifetime, designed for the fountains of ornamental pools. The body of this luminaire is applied in a manner, to be completely kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

AC1F — AquaCroma 1F

AquaCroma 1F is the ground-recessed pool light, with a long lifetime, designed for ornamental pools and fountains. The body of this luminaire is applied in a manner, to be completely kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

AC1N — AquaCroma 1N

AquaCroma 1N is the nozzle spot, with a long lifetime, designed for the fountains of ornamental pools. The body of this luminaire is applied in a manner, to be completely kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

AC1J — AquaCroma 1J

AquaCroma 1J is the recessed underwater light, with a long lifetime, designed for hot tubs. This luminaire does not harm the human skin, due to its low spot temperature.

AC3F — AquaCroma 3F

AquaCroma 3F is the ground-recessed pool light, with a long lifetime, designed for ornamental pools. The body of this luminaire is applied in a manner to be completely kept underwater.

AC3N — AquaCroma 3N

AquaCroma 3N is the pedestal pool light designed for large ornamental pools. The body of this luminaire is applied in a manner to be completely or partially kept underwater.

AC5F — AquaCroma 5F

AquaCroma 5F is the pedestal pool light designed for large ornamental pools. The body of this luminaire is applied in a manner to be completely or partially kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

AC5N — AquaCroma 5N

AquaCroma 5N is the pedestal pool light designed for large ornamental pools. The body of this luminaire is applied in a manner to be completely or partially kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

AC5G — AquaCroma 5G

AquaCroma 5G is the wall-recessed pool light, with long lifetime and in PAR 56 dimensions, designed for swimming pools. This luminaire does not harm the human skin, due to its low spot temperature. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

AC5K — AquaCroma 5K

AquaCroma 5K is the wall-recessed pool light, with long lifetime and in PAR 56 dimensions, designed for swimming pools. This luminaire does not harm the human skin, due to its low spot temperature. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

AC5Y — AquaCroma 5Y

AquaCroma 5Y is the pool light, with a long lifetime and which can be mounted on the wall-surface, designed for swimming pools. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

PRODUCT CODE EXPENSION

Işık rengi / Light Color
Lens&Optik / Lens&Optic

AC500F-**C**-**O**

AC500F LUMINAIRE OPTIONS

AC500F: *1 LED - 1,5W - 160Lm*

AC500F RGB: *1 LED - 8W*

AquaCroma 500F — AC500F
Recessed pool lamp

APPLICATION AREAS

AquaCroma 500F is the ground-recessed pool light, with a long lifetime, designed for ornamental pools and fountains. The body of this luminaire is applied in a manner, to be completely kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

ELECTROMECHANICAL SPECIFICATIONS — AC500F-C-O

- Stainless steel body and stainless steel product frame
- Polycarbonate luminaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.

BODY SPECIFICATIONS
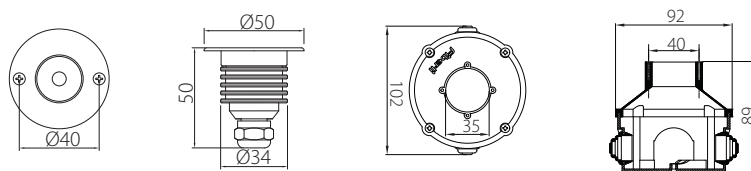
*All of the measurements for AquaCroma product groups are in mm.
The body of this luminaire is applied in a manner to be kept completely underwater.
AC500F is designed to be only cooled with water and therefore must definitely be used as immerged to the water. Additional connection boxes for cable connections are separately procured.

VOLTAGE SPECIFICATIONS

Mono colour luminaires are designed to operate at 12~24V DC, as standard.

LIGHT COLOUR OPTIONS — AC500F-**C**-O

CW: *Cold White - 4.700K-9.500K*
NW: *Natural White - 3.700K-4.700K*
WW: *Warm White - 2.700K-3.700K*
F: *RGB*

R: *Red - 625nm*
A: *Amber - 590nm*
G: *Green - 525nm*
B: *Blue - 465nm*

LENS OPTIONS — AC500F-C-**O**
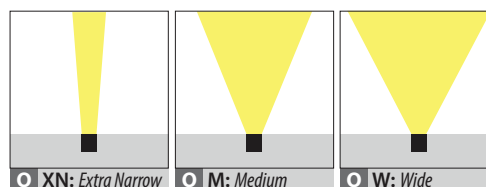
O XN: *Extra Narrow* | **O M:** *Medium* | **O W:** *Wide*

*The luminaire power may vary according to the ordered colour options.

Protection Class: IP68

Lifetime: 50.000 hours

AquaCroma 500F

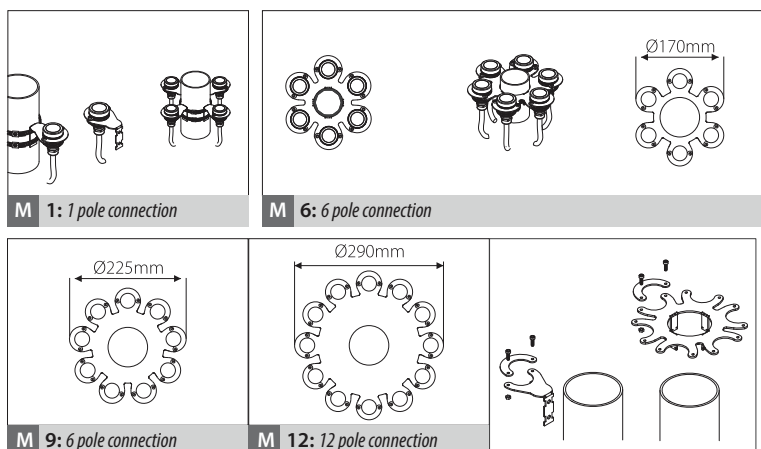### MOUNTING

The luminaire is mounted by being recessed to the pool finishes.

- The luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint.
- The underwater cable joint must be used if underwater cable splicing is to be applied.

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. Other control options are identified at the power station, which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*	
DMX1 - *DMX Control, 1 adress*	
PWM - *PWM Control*	

CABLE JOINTS

I: *Single outlet*

AquaCroma 500N   AC500N

Nozzle spot

PRODUCT CODE EXPENSION

Işık rengi / Light Color
Lens&Optik / Lens&Optic
Montaj / Mounting

AC500N-C-O-M

AC500N LUMINAIRE OPTIONS

AC500N: *1 LED - 1,5W - 160Lm*	
AC500N RGB: *1 LED - 7,8W*	

APPLICATION AREAS

AquaCroma 500N is the nozzle spot, with a long lifetime, designed for the fountains of ornamental pools. The body of this luminaire is applied in a manner, to be completely kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

ELECTROMECHANICAL SPECIFICATIONS   AC500N-C-O-M

- Stainless steel body and stainless steel product frame
- Polycarbonate luminaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.
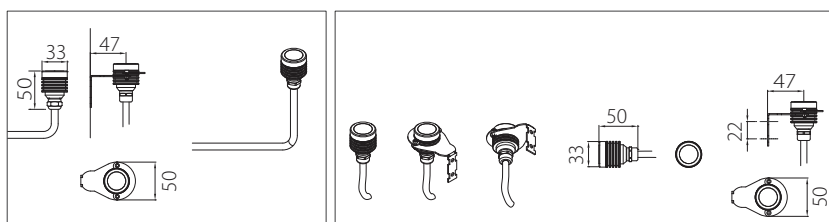
*All of the measurements for AquaCroma product groups are in mm.

VOLTAGE SPECIFICATIONS

Mono colour luminaires are designed to operate at 12~24V DC, as standard.

LIGHT COLOUR OPTIONS   AC500N-**C**-O-M

C			C		
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*	
	F: *RGB*			**B:** *Blue - 465nm*	

LENS OPTIONS   AC500N-C-**O**-M
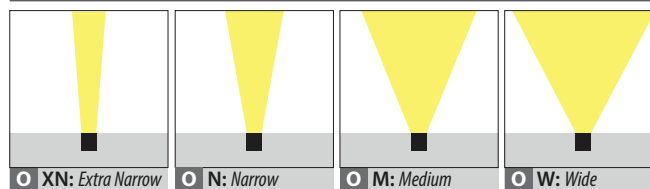
O XN: *Extra Narrow*	**O** N: *Narrow*	**O** M: *Medium*	**O** W: *Wide*

*The luminaire power may vary according to the ordered colour options.

Protection Class: IP68

Lifetime: 50.000 hours

AquaCroma 500N

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

DMX1 - *DMX Control, 1 adress*

PWM - *PWM Control*

IP67 CABLE JOINTS

Y: *Dual outlet*   **I:** *Single outlet*

MOUNTING OPTIONS   AC500N-C-O-**M**

The luminaire is immobilised by attaching steel clamps around the nozzle.

M **1:** *1 pole connection*

M **6:** *6 pole connection*

Ø170mm

Ø225mm

M **9:** *6 pole connection*

Ø290mm

M **12:** *12 pole connection*

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. Other control options are identified at the power station, which the luminaires are connected to.

AquaCroma 1F   AC1F

Recessed pool lamp

PRODUCT CODE EXPENSION

Işık rengi / Light **C**olor
Lens&**O**ptik / Lens&**O**ptic
Üst parçalar / **U**p parts

AC1F -**C**-**O**-**U**

AC1F LUMINAIRE OPTIONS

AC1F P3:	*3 LEDs - 4,5W - 480Lm*
AC1F P3:	*3 LEDs - 8W - 840Lm*
AC1F P3 RGB:	*3 LEDs - 8W*

AC1F BT6:	*6 LEDs - 1,5W - 180 Lm*
AC1F BT6 RGB:	*6 LEDs - 3W*

*The luminaire power may vary according to the ordered colour options.

Protection Class: IP68

Lifetime: 50.000 hours

APPLICATION AREAS

AquaCroma 1F is the ground-recessed pool light, with a long lifetime, designed for ornamental pools and fountains. The body of this luminaire is applied in a manner, to be completely kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

ELECTROMECHANICAL SPECIFICATIONS   AC1F-C-O-U

- Stainless steel product frame
- Aluminium injection body
- Tempered luminaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
- Utilised in the changing of 50W halogen lamps without application of any circuit changes.

BODY SPECIFICATIONS

Ø96
60
80
90
Ø80

*All of the measurements for AquaCroma product groups are in mm.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage between 12V~24V AC/DC with consuming the same amount power. On account of said feature, the luminaire has a high tolerance against voltage drops.
- Colour changing luminaires are produced as 7,5V DC PWM controlled, as standard.

LIGHT COLOUR OPTIONS   AC1F-**C**-O-U

P (PowerLED) (3535) 1W / 350mA - 3W / 700mA

C			C	
	CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
	RGB: *RGB*		**B:** *Blue - 465nm*	

BT (Big TopLED) (5050) 3x20mA
C	**F:** *Full Color 465-625nm*

LENS OPTIONS   AC1F-C-**O**-U

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*

AquaCroma® Pool Lamp

AquaCroma 1F

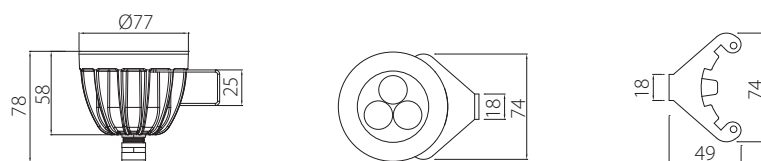### UPPER PART OPTIONS   AC1F-C-O-**U**

| U | **PK:** *Bright stainless steel* | U | **SN:** *Satin nickel* |
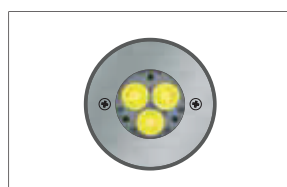
MOUNTING

The luminaire is mounted by being recessed to the pool finishes.

84

90
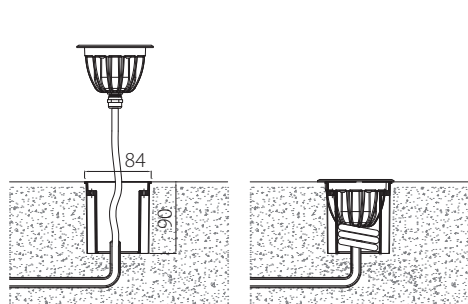
- The luminaires are supplied with 0.4 metre rubber underwater cable
- The luminaire should not be mounted without the use of mounting hive.

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. The DMX control option can either be internal or external for these luminaires.

EXTERNAL ACCESSORIES
EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

DMX1 - *DMX Control, 1 adress*

PWM - *PWM Control*

AquaCroma 1N   AC1N

Nozzle spot

APPLICATION AREAS

AquaCroma 1N is the nozzle spot, with a long lifetime, designed for the fountains of ornamental pools. The body of this luminaire is applied in a manner, to be completely kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

ELECTROMECHANICAL SPECIFICATIONS   AC1N-C-O-U

- Stainless steel product frame
- Aluminium injection body
- Polycarbonate luminaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
- Utilised in the changing of 50W halogen lamps without application of any circuit changes.

BODY SPECIFICATIONS

*All of the measurements for AquaCroma product groups are in mm.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage between 12V~24V AC/DC with consuming the same amount power. On account of said feature, the luminaire has a high tolerance against voltage drops.
- Colour changing luminaires are produced as 7,5V DC PWM controlled, as standard.

LIGHT COLOUR OPTIONS   AC1N-**C**-O-U

P (PowerLED) (3535) 1W / 350mA - 3W / 700mA

C			C	
	CW: Cold White - 4.700K-9.500K		**R:** Red - 625nm	
	NW: Natural White - 3.700K-4.700K		**A:** Amber - 590nm	
	WW: Warm White - 2.700K-3.700K		**G:** Green - 525nm	
	RGB: RGB		**B:** Blue - 465nm	

BT (Big TopLED) (5050) 3x20mA

C	
	F: Full Color 465-625nm

LENS OPTIONS   AC1N-C-**O**-U

O XN: Extra Narrow   **O M:** Medium   **O W:** Wide   **O XW:** Without Lens

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PRODUCT CODE EXPENSION

Işık rengi / Light Color
Lens&Optik / Lens&Optic
Üst parçalar / Up parts

AC1N-**C**-**O**-**U**

AC1N LUMINAIRE OPTIONS

AC1N P3: *3 LEDs - 4W - 480Lm*

AC1N P3: *3 LEDs - 8W - 840Lm*

AC1N P3 RGB: *3 LEDs - 8W*

AC1N BT6: *6 LEDs - 1,5W - 180 Lm*

AC1N BT6 RGB: *6 LEDs - 3W*

*The luminaire power may vary according to the ordered colour options.

Protection Class: IP68

Lifetime: 50.000 hours

AquaCroma 1N

UPPER PART OPTIONS

AC1N-C-O-**U**
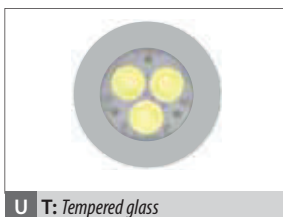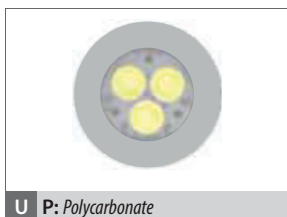
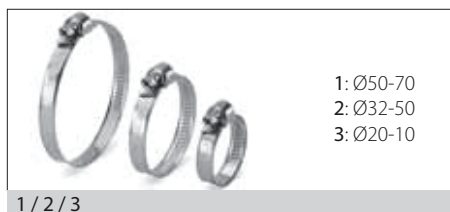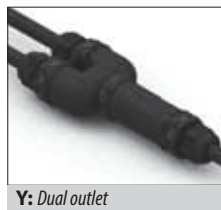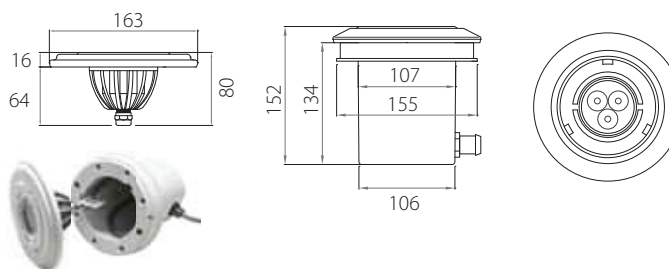| U | **P:** *Polycarbonate* | U | **T:** *Tempered glass* |

MOUNTING

The luminaire is immobilised by attaching steel clamps around the nozzle.

Ø100

Stainless inox steel clamp

Stainless inox connection elements

- The luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint.
- The underwater cable joint must be used if underwater cable splicing is to be applied.

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. The DMX control option can either be internal or external for these luminaires.

EXTERNAL ACCESSORIES
EXTERNAL CONTROLLER OPTIONS

| **DMX -** *DMX Control, 3-4 adress* |
| **DMX1 -** *DMX Control, 1 adress* |
| **PWM -** *PWM Control* |

STAINLESS INOX STEEL CLAMP

1: Ø50-70
2: Ø32-50
3: Ø20-10

1 / 2 / 3

CABLE JOINTS

| **Y:** *Dual outlet* | **I:** *Single outlet* |

Fiberli *Contemporary illuminating technics...*

LED LIGHT CE

PRODUCT CODE EXPENSION

AC1J-**C**-**O**

*Işık rengi / Light **C**olor*
*Lens&Optik / Lens&**O**ptic*

AC1J LUMINAIRE OPTIONS

AC1J P3: *3 LEDs - 4W-480Lm*
AC1J P3: *3 LEDs - 8W-840Lm*
AC1J P3 RGB: *3 LEDs - 8W*

AC1J BT6: *6 LEDs - 1,5W - 180 Lm*
AC1J BT6 RGB: *6 LEDs -3 W*
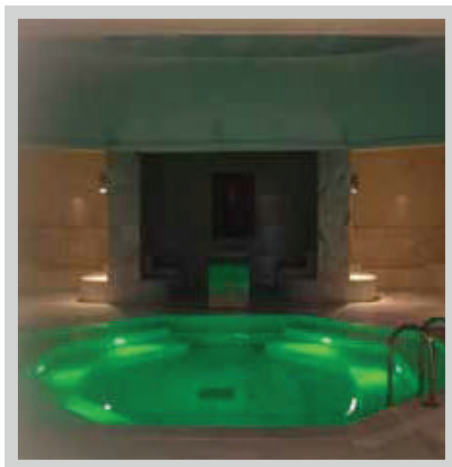
The luminaire power may vary according to the ordered colour options.

Protection Class: IP68
Lifetime: 50.000 hours

AquaCroma 1J   AC1J
Recessed underwater light

APPLICATION AREAS

AquaCroma 1J is the recessed underwater light, with a long lifetime, designed for hot tubs. This luminaire does not harm the human skin, due to its low spot temperature.

ELECTROMECHANICAL SPECIFICATIONS   **AC1J**-C-O

- Aluminium injection body
- Tempered luminaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
- Utilised in the changing of 50W halogen lamps without application of any circuit changes.

BODY SPECIFICATIONS

All of the measurements for AquaCroma product groups are in mm.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage between 12V~24V AC/DC with consuming the same amount power. On account of said feature, the luminaire has a high tolerance against voltage drops.
- Colour changing luminaires are produced as 7,5V DC PWM controlled, as standard.

LIGHT COLOUR OPTIONS   AC1J-**C**-O

P (PowerLED) (3535) 1W / 350mA - 3W / 700mA

C			C	
	CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
	RGB: *RGB*		**B:** *Blue - 465nm*	

BT (Big TopLED) (5050) 3x20mA

C	
	F: *Full Color 465-625nm*

LENS OPTIONS   AC1J-C-**O**

| **O** XN: *Extra Narrow* | **O** M: *Medium* | **O** W: *Wide* | **O** XW: *Wihout Lens* |

AquaCroma 1J

MOUNTING

Mountable within the hive.
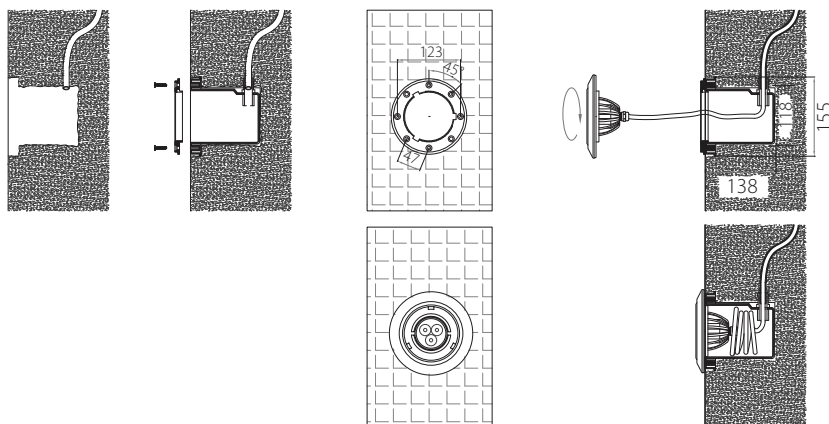
- The luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint.
- The underwater cable joint must be used if underwater cable splicing is to be applied.

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. The DMX control option can either be internal or external for these luminaires.
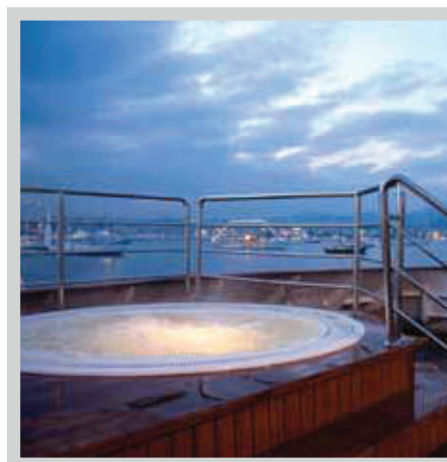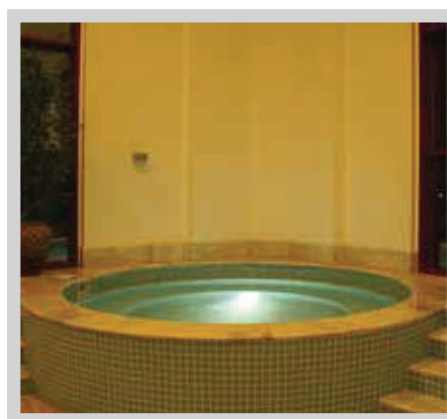
EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX -	*DMX Control, 3-4 adress*
DMX1 -	*DMX Control, 1 adress*
PWM -	*PWM Control*

AquaCroma® Pool Lamp

AquaCroma 3F — AC3F

Recessed pool lamp

APPLICATION AREAS

AquaCroma 3F is the ground-recessed pool light, with a long lifetime, designed for ornamental pools. The body of this luminaire is applied in a manner to be completely kept underwater.

ELECTROMECHANICAL SPECIFICATIONS — AC3F-C-O

- Stainless steel product frame
- Press forming stainless steel body
- Tempered luminaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
  Can be used under seawater and chlorinated water, up to the maximum depth of 10 m.

BODY SPECIFICATIONS

All of the measurements for AquaCroma product groups are in mm.
The body of this luminaire is applied in a manner to be kept completely underwater.
-AC3F is designed to be only cooled with water and therefore must definitely be used as immerged to the water.
-Additional connection boxes for cable connections are separately procured.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage between 12V~24V AC/DC with consuming the same amount power. On account of said feature, the luminaire has a high tolerance against voltage drops.
- Colour changing luminaires are produced as 12V DC PWM controlled, as standard.
- RGB-SD products are manufactured as 12-24 V DC, PWM controlled.

LIGHT COLOUR OPTIONS — AC3F-**C**-O

C		C	
CW: Cold White - 4.700K-9.500K		**R:** Red - 625nm	
NW: Natural White - 3.700K-4.700K		**A:** Amber - 590nm	
WW: Warm White - 2.700K-3.700K		**G:** Green - 525nm	
RGB: RGB		**B:** Blue - 465nm	

LENS OPTIONS — AC3F-C-**O**

O XN: Extra Narrow	**O** M: Medium	**O** W: Wide	**O** XW: Without Lens

---

PRODUCT CODE EXPENSION

AC3F-**C**-**O**

Işık rengi / Light Color
Lens&Optik / Lens&Optic

AC3F LUMINAIRE OPTIONS

AC3F P9:	*9 LEDs - 25W - 2.520Lm*
AC3F P9 RGB:	*9 LEDs - 18W*
AC3F P9 DMX:	*9 LEDs - 18W*
AC3F P9 PDMX:	*9 LEDs - 18W*

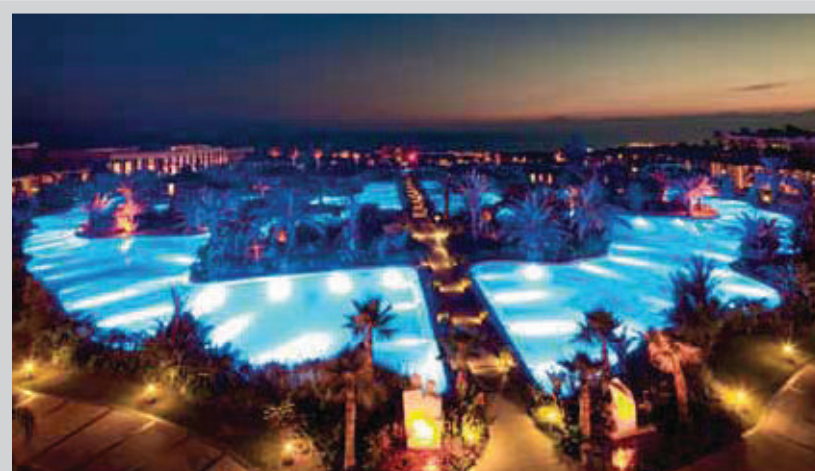*The luminaire power may vary according to the ordered colour options.*

Protection Class: IP68
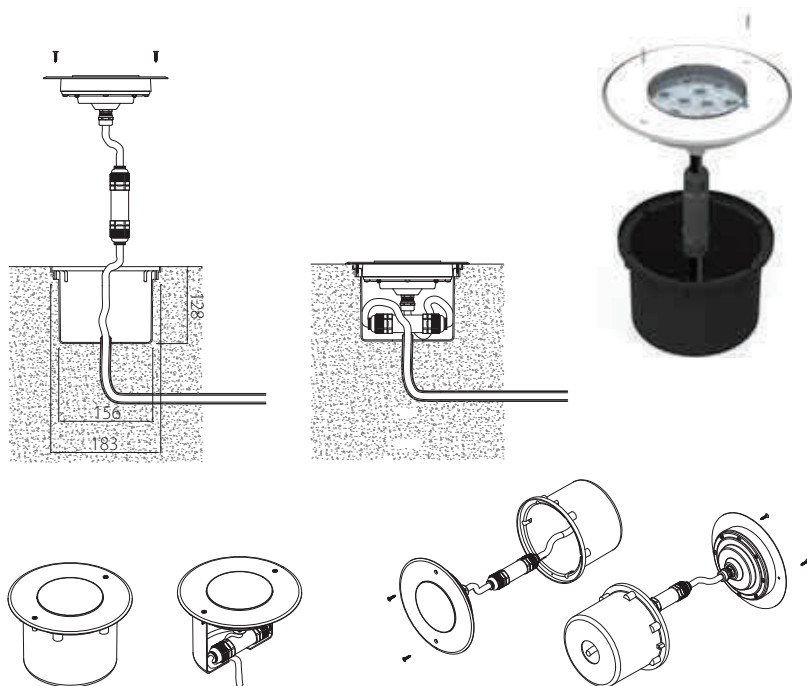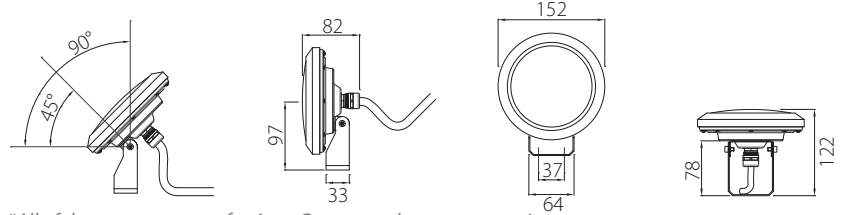
Lifetime: 50.000 hours

AquaCroma 3F

MOUNTING

The luminaire is mounted by being recessed to the pool finishes.

128
156
183

- The luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint.
- The underwater cable joint must be used if underwater cable splicing is to be applied.

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. The DMX control option can either be internal or external for these luminaires.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*	
DMX1 - *DMX Control, 1 adress*	
PWM - *PWM Control*	

CABLE JOINTS

I: *Single outlet*

AquaCroma 3N   AC3N

Pool Spot

APPLICATION AREAS

AquaCroma 3N is the pedestal pool light designed for large ornamental pools. The body of this luminaire is applied in a manner to be completely or partially kept underwater.

ELECTROMECHANICAL SPECIFICATIONS   AC3N-B-C-O-K-U

- Stainless steel or white product frame
- Press forming stainless steel body or aluminium injection body
- Polycarbonate limunaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
  Can be used under seawater and chlorinated water, up to the maximum depth of 10 m.

*All of the measurements for AquaCroma product groups are in mm.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage between 12V~24V AC/DC with consuming the same amount power. On account of said feature, the luminaire has a high tolerance against voltage drops.
- Colour changing luminaires are produced as 12V DC PWM controlled, as standard.
- RGB-SD products are manufactured as 12-24 V DC, PWM controlled.

BODY MATERIAL   AC3N-**B**-C-O-K-U

The body of this luminaire can be used in a manner to be completely or partially kept underwater. It has been designed in forms as aluminium injection and chrome bodied.

B | **AL** - *Aluminium-bodied luminaire (IP67)*

The luminaire contains aluminium wings in order to be able to also cool down outside of the water. Moreover, the energy input and output can be placed on the luminaire by appending to the joint box on the back of the luminaire.

B | **CR** - *Stainless steel bodied luminaire (IP68)*

These luminaires have been designed to be only cooled with the water and must therefore be utilised underwater. Additional connection boxes for through connections are separately procured.


PRODUCT CODE EXPENSION

*Gövde materyali / **B**ody material*
*Işık rengi / Light **C**olor*
*Lens&**O**ptik / Lens&**O**ptic*
Kablo giriş-çıkş / Cable in-out ways
*Üst parçalar / **U**p parts*

AC3N-**B**-**C**-**O**-**K**-**U**

AC3N LUMINAIRE OPTIONS

AC3N P6: *6 LEDs - 12W - 1.104Lm*

AC3N P9: *9 LEDs - 24,5W - 1.650Lm*

AC3N P9 RGB: *9 LEDs - 13W*

AC3N P9 DMX: *9 LEDs - 11,5W*

AC3N P9 PDMX: *9 LEDs - 11,5W*

*The luminaire power may vary according to the ordered colour options.

Protection Class: IP67 / IP68

Lifetime: 50.000 hours

AquaCroma 3N

LIGHT COLOUR OPTIONS
AC3N-B-**C**-O-K-U

C			C	
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*
	RGB: *RGB*			**B:** *Blue - 465nm*

LENS OPTIONS
AC3N-B-C-**O**-K-U

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*
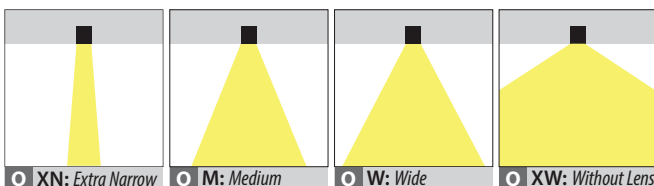
CABLE INLET POINT OPTIONS
AC3N-B-C-O-**K**-U

The cable inlet points may vary according to the form of mounting of the luminaire. Cable inlet – outlet options are as given below;

Stainless steel bodied luminaire   Aluminium-bodied luminaire

K M: *Single Central inlet*	**K** A: *Single underfoot inlet*	**K** M2: *Cover inlet and outlet*

- Chrome-bodied luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint
- The underwater cable joint must be used if underwater cable splicing is to be applied.

UPPER PART OPTIONS
AC3N-B-C-O-K-**U**

Spot mirror may be chrome-coated or white.

U K: *Stainless steel product frame*	**U** B: *White product frame*

MOUNTING
Luminaires are mounted on the ground surface.
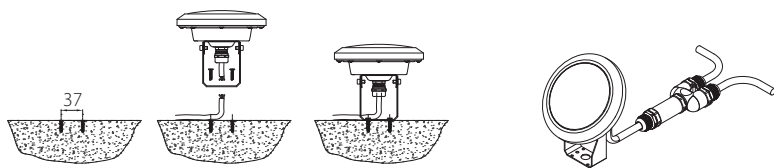
37

CONTROL SYSTEM OPTIONS
All of the luminaire have been designed as PWM-controlled. The DMX control option can either be internal or external for these luminaires.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*
DMX1 - *DMX Control, 1 adress*
PWM - *PWM Control*

CABLE JOINTS

Y: Dual outlet	**I:** Single outlet

OPTIONAL EXTENSION STANDS

A

A5: *Extension part   A=5cm*
A10: *Extension part   A=10cm*
A20: *Extension part   A=20cm*

AquaCroma 5F   AC5F

Recessed pool lamp

APPLICATION AREAS

AquaCroma 5F is the pedestal pool light designed for large ornamental pools. The body of this luminaire is applied in a manner to be completely or partially kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.
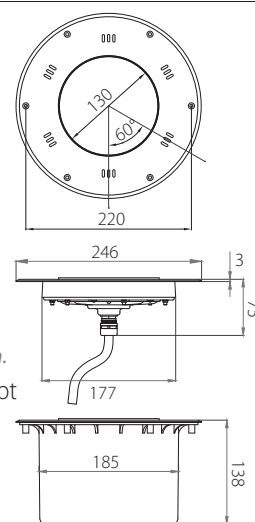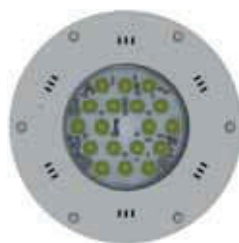
ELECTROMECHANICAL SPECIFICATIONS   **AC5F**-C-O

- Stainless steel product frame
- Press forming stainless steel body
- Tempered luminaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
- Utilised in the changing of PAR 56 300W halogen lamps without application of any circuit changes.
  Can be used under seawater and chlorinated water, up to the maximum depth of 10 m.

BODY SPECIFICATIONS

*All of the measurements for AquaCroma product groups are in mm.

The body of this luminaire is applied in a manner to be kept completely underwater.

AC5F is designed to be only cooled with water and therefore must definitely be used as immerged to the water. Additional connection boxes for cable connections are separately procured.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage between 12V~24V AC/DC with consuming the same amount power. On account of said feature, the luminaire has a high tolerance against voltage drops.
- Colour changing luminaires are produced as 12V DC PWM controlled, as standard.
- RGB-SD products are manufactured as 12-24 V DC, PWM controlled.

LIGHT COLOUR OPTIONS   AC5F-**C**-O

C		C	
CW: Cold White - 4.700K-9.500K		**R:** Red - 625nm	
NW: Natural White - 3.700K-4.700K		**A:** Amber - 590nm	
WW: Warm White - 2.700K-3.700K		**G:** Green - 525nm	
RGB: RGB		**B:** Blue - 465nm	

PRODUCT CODE EXPENSION

AC5F-C-O

*Işık rengi / Light **C**olor*
*Lens&Optik / Lens&**O**ptic*

AC5F LUMINAIRE OPTIONS

AC5F P18: *18 LEDs - 50W - 3.312Lm*	
AC5F P18 RGB: *18 LEDs - 36W*	
AC5F P18 DMX: *18 LEDs - 36W*	
AC5F P18 PDMX: *18 LEDs - 36W*	

*The luminaire power may vary according to the ordered colour options.

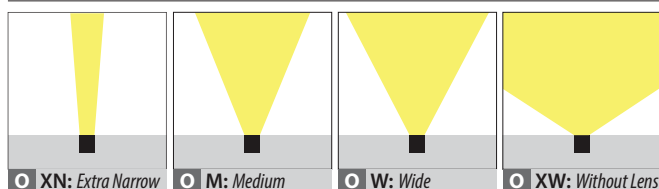Protection Class: IP68
Lifetime: 50.000 hours
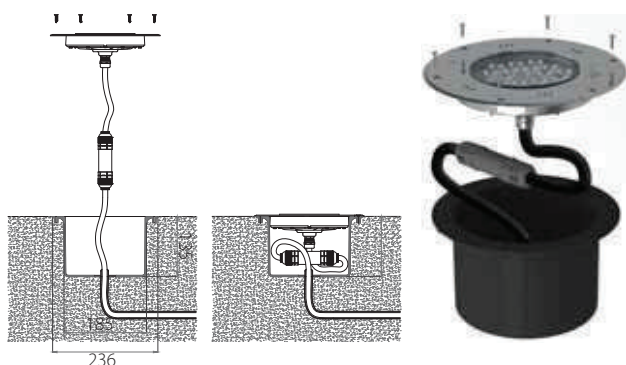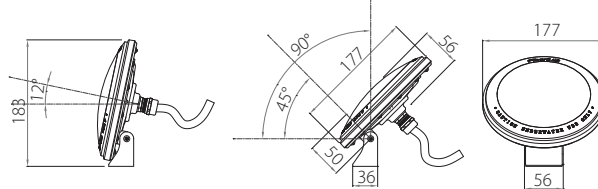
AquaCroma® Pool Lamp

AquaCroma 5F

LENS OPTIONS
AC5F-C-**O**

O **XN:** *Extra Narrow*	**O** **M:** *Medium*	**O** **W:** *Wide*	**O** **XW:** *Without Lens*

MOUNTING

The luminaire is mounted by being recessed to the pool finishes.

236

- The luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint.
- The underwater cable joint must be used if underwater cable splicing is to be applied.

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. The DMX control option can either be internal or external for these luminaires.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

| **DMX -** *DMX Control, 3-4 adress* |
| **DMX1 -** *DMX Control, 1 adress* |
| **PWM -** *PWM Control* |

CABLE JOINTS

| **Y:** *Dual outlet* | **I:** *Single outlet* |

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LED LIGHT CE

AquaCroma 5N — AC5N

Pool Spot

PRODUCT CODE EXPENSION

AC5N-B-C-O-K-U

Gövde materyali / Body material
Işık rengi / Light Color
Lens&Optik / Lens&Optic
Kablo giriş-çıkış yeri / Cable in-out ways
Üst parçalar / Up parts

AC5N LUMINAIRE OPTIONS

AC5N P18: *18 LEDs - 50W-3.312Lm*

AC5N P18 RGB: *18 LEDs - 36W*

AC5N P18 DMX: *18 LEDs - 36W*

AC5N P18 PDMX: *18 LEDs - 36W*
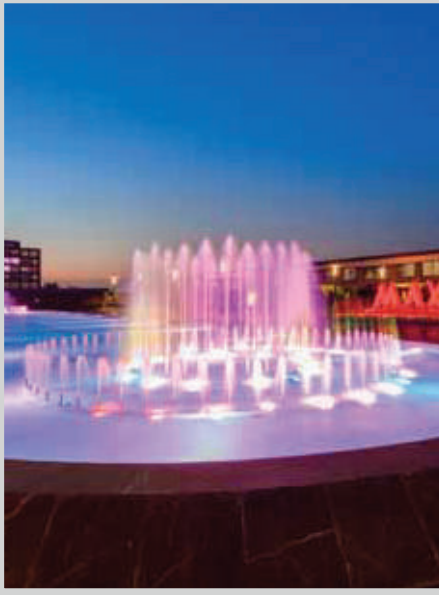
*The luminaire power may vary according to the ordered colour options.

Protection Class: IP67 / IP68

Lifetime: 50.000 hours

APPLICATION AREAS

AquaCroma 5N is the pedestal pool light designed for large ornamental pools. The body of this luminaire is applied in a manner to be completely or partially kept underwater. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

ELECTROMECHANICAL SPECIFICATIONS — AC5N-B-C-O-K-U

- Stainless steel or white product frame
- Press forming stainless steel body or aluminium injection body
- Polycarbonate limunaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
  Can be used under seawater and chlorinated water, up to the maximum depth of 10 m.

*All of the measurements for AquaCroma product groups are in mm.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage between 12V~24V AC/DC with consuming the same amount power. On account of said feature, the luminaire has a high tolerance against voltage drops.
- Colour changing luminaires are produced as 12V DC PWM controlled, as standard.
- RGB-SD products are manufactured as 12-24 V DC, PWM controlled.

BODY MATERIAL — AC5N-B-C-O-K-U

The body of this luminaire can be used in a manner to be completely or partially kept underwater. It has been designed in forms as aluminium injection and chrome bodied.

B AL - *Aluminium-bodied luminaire (IP67)*

The luminaire contains aluminium wings in order to be able to also cool down outside of the water. Moreover, the energy input and output can be placed on the luminaire by appending to the joint box on the back of the luminaire.

B CR - *Stainless steel bodied luminaire (IP68)*

These luminaires have been designed to be only cooled with the water and must therefore be utilised underwater. Additional connection boxes for through connections are separately procured.
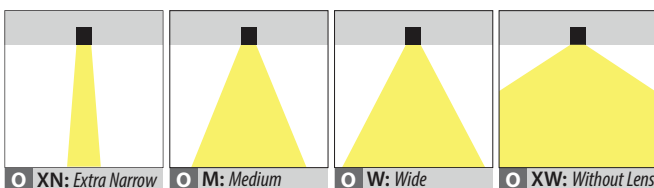
AquaCroma 5N

LIGHT COLOUR OPTIONS   AC5N-B-**C**-O-K-U

C			C	
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*
	RGB: *RGB*			**B:** *Blue - 465nm*

LENS OPTIONS   AC5N-B-C-**O**-K-U

O **XN:** *Extra Narrow* **O** **M:** *Medium* **O** **W:** *Wide* **O** **XW:** *Without Lens*

CABLE INLET POINT OPTIONS   AC5N-B-C-O-**K**-U

The cable inlet points may vary according to the form of mounting of the luminaire. Cable inlet – outlet options are as given below;

Stainless steel bodied luminaire   Aluminium-bodied luminaire

K **M:** *Single Central inlet*   **K** **A:** *Single underfoot inlet*   **K** **M2:** *Cover inlet and outlet*
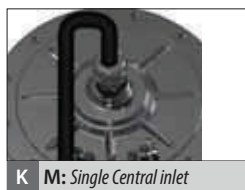
- *Chrome-bodied luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint*
- *The underwater cable joint must be used if underwater cable splicing is to be applied.*
- *Inlet cable is not supplied with aluminium body luminaires.*

UPPER PART OPTIONS   AC5N-B-C-O-K-**U**

Spot mirror may be chrome-coated or white.
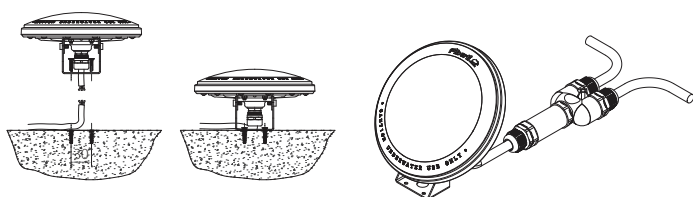
U **B:** *White product frame*   **U** **C:** *Stainless steel product frame*

MOUNTING

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*
DMX1 - *DMX Control, 1 adress*
PWM - *PWM Control*

CABLE JOINTS

Y: *Dual outlet*   **I:** *Single outlet*

OPTIONAL EXTENSION STANDS

A5: *Extension part A=5cm*
A10: *Extension part A=10cm*
A20: *Extension part A=20cm*

AquaCroma® Pool Lamp

AquaCroma 5G   AC5G

Wall-recessed pool light

APPLICATION AREAS

AquaCroma 5G is the wall-recessed pool light, with long lifetime and in PAR 56 dimensions, designed for swimming pools. This luminaire does not harm the human skin, due to its low spot temperature.

ELECTROMECHANICAL SPECIFICATIONS   **AC5G**-C-O-U

- Press forming stainless steel body
- Polycarbonate limunaire glass
- Operates within a constant output power, at each voltage values
  between 10 volts and 30 volts through stabilising the output current by
  means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
- Utilised in the changing of PAR 56 300W halogen lamps without application of any
  circuit changes.
- The product package contains only the LED PAR 56 lamp. Mounting sleeve and parts
  are not included in the package.
  Can be used under seawater and chlorinated water, up to the maximum depth of 10 m.

BODY SPECIFICATIONS

56
39
177
169
135
83
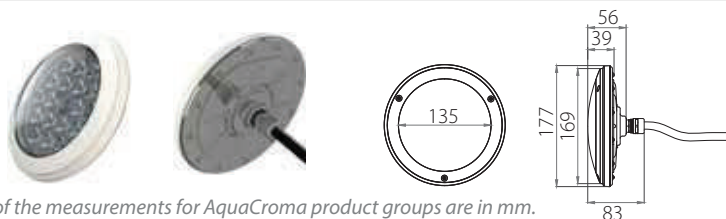
*All of the measurements for AquaCroma product groups are in mm.

The body of this luminaire is applied in a manner to be kept completely underwater. Stainless steel body housing is designed in PAR 56 dimensions.
AC5G is designed to be only cooled with water and therefore must definitely be used as immerged to the water. Additional connection boxes for cable connections are separately procured.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage
  between 12V~24V AC/DC with consuming the same amount power. On
  account of said feature, the luminaire has a high tolerance against voltage
  drops.
- Colour changing luminaires are produced as 12V DC PWM controlled, as
  standard.
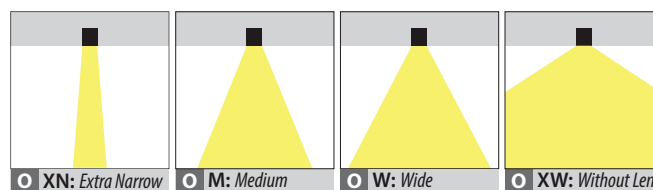- RGB-SD products are manufactured as 12-24 V DC, PWM controlled.

LIGHT COLOUR OPTIONS   AC5G-**C**-O-U

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
RGB: *RGB*		**B:** *Blue - 465nm*	

LENS OPTIONS   AC5G-C-**O**-U

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*

PRODUCT CODE EXPENSION

Işık rengi / Light Color
Lens&Optik / Lens&Optic
Üst parçalar / Up parts

AC5G-**C**-**O**-**U**

AC5G LUMINAIRE OPTIONS

AC5G P18:	*18 LEDs - 18W - 1.800Lm*
AC5G P18:	*18 LEDs - 50W - 3.312Lm*
AC5G P18 RGB:	*18 LEDs - 36W*
AC5G P18 DMX:	*18 LEDs - 36W*
AC5G P18 PDMX:	*18 LEDs - 36W*

*The luminaire power may vary according to the ordered colour options.

Protection Class: IP68

Lifetime: 50.000 hours

AquaCroma® Pool Lamp

AquaCroma 5G
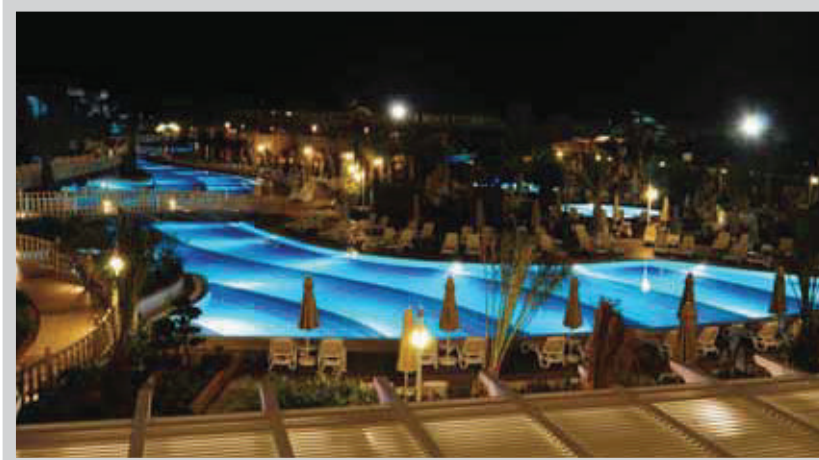
UPPER PART OPTIONS   AC5G-C-O-**U**

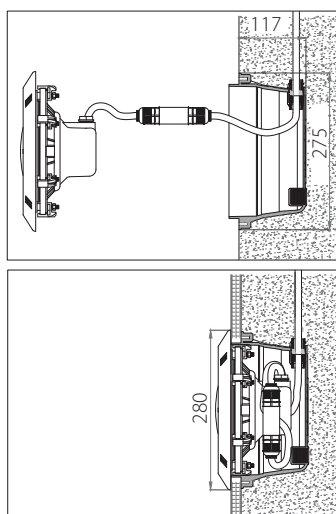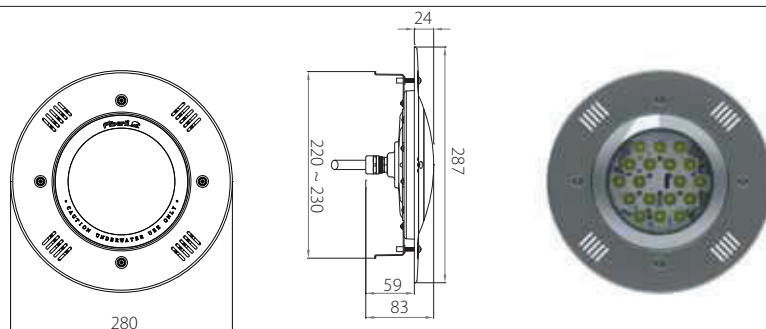| U **B:** *White* | U **K:** *Stainless steel* | U **T:** *Turquoise* |

MOUNTING

Mounted in areas where PAR56 is present.

117
275
280

- *The luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint.*
- *The underwater cable joint must be used if underwater cable splicing is to be applied.*

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. Other control options are identified at the power station, which the luminaires are connected to.

EXTERNAL ACCESSORIES
EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

DMX1 - *DMX Control, 1 adress*

PWM - *PWM Control*

CABLE JOINTS

I: *Single inlet-outlet*

Fiberli *Contemporary illuminating technics...*

LEDLIGHT CE

AquaCroma 5K   AC5K

Wall-recessed pool light

APPLICATION AREAS

AquaCroma 5K is the wall-recessed pool light, with long lifetime and in PAR 56 dimensions, designed for swimming pools. This luminaire does not harm the human skin, due to its low spot temperature.

ELECTROMECHANICAL SPECIFICATIONS   AC5K-C-O

- Stainless steel product frame
- Press forming stainless steel body
- Polycarbonate limunaire glass
- Operates within a constant output power, at each voltage values between 10 volts and 30 volts through stabilising the output current by means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
- Utilised in the changing of PAR 56 300W halogen lamps without application of any circuit changes.
  Can be used under seawater and chlorinated water, up to the maximum depth of 10 m.

BODY SPECIFICATIONS

24

220 ~ 230

287

59
83

280

All of the measurements for AquaCroma product groups are in mm.

The body of this luminaire is applied in a manner to be kept completely underwater. Stainless steel body housing is designed in PAR 56 dimensions.

AC5K is designed to be only cooled with water and therefore must definitely be used as immerged to the water. Additional connection boxes for cable connections are separately procured.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage between 12V~24V AC/DC with consuming the same amount power. On account of said feature, the luminaire has a high tolerance against voltage drops.
- Colour changing luminaires are produced as 12V DC PWM controlled, as standard.
- RGB-SD products are manufactured as 12-24 V DC, PWM controlled.
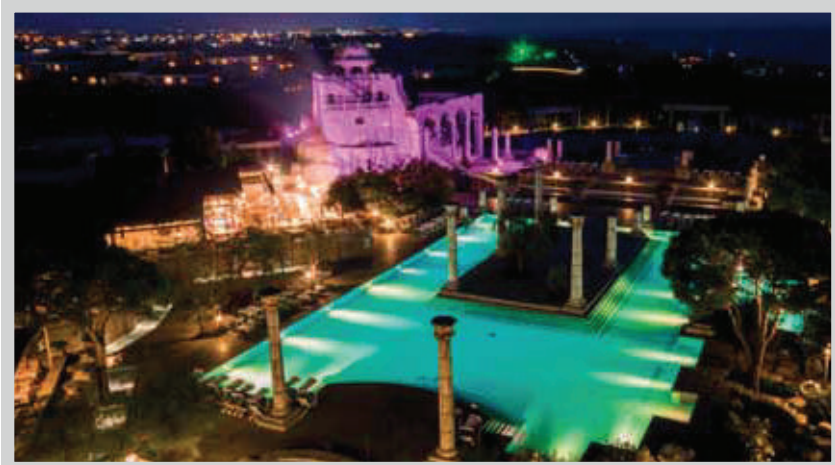
LIGHT COLOUR OPTIONS   AC5K-**C**-O

P (PowerLED) (3535) 1W / 350mA - 3W / 700mA

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
RGB: *RGB*		**B:** *Blue - 465nm*	

PRODUCT CODE EXPENSION

*Işık rengi / Light **C**olor*
*Lens&Optik / Lens&**O**ptic*

AC5K-**C**-**O**

AC5K LUMINAIRE OPTIONS

AC5K P18: *18 LEDs - 50W - 3.312Lm*	
AC5K P18 RGB: *18 LEDs - 36W*	
AC5K P18 DMX: *18 LEDs - 36W*	
AC5K P18 PDMX: *18 LEDs - 36W*	

The luminaire power may vary according to the ordered colour options.

Protection Class: IP68

Lifetime: 50.000 hours

AquaCroma 5K

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

| **DMX -** *DMX Control, 3-4 adress* |
| **DMX1 -** *DMX Control, 1 adress* |
| **PWM -** *PWM Control* |

CABLE JOINTS

I: *Single inlet-outlet*

LENS OPTIONS   AC5K-C-**O**

| **O** XN: *Extra Narrow* | **O** M: *Medium* | **O** W: *Wide* | **O** XW: *Without Lens* |

MOUNTING

Mounted in areas where PAR56 is present.

119

275

136

- The luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint.
- The underwater cable joint must be used if underwater cable splicing is to be applied.

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. The DMX control option can either be internal or external for these luminaires.

AquaCroma 5Y   AC5Y

Wall-surface pool light

PRODUCT CODE EXPENSION

Işık rengi / Light **C**olor
Lens&**O**ptik / Lens&**O**ptic
Üst parçalar / **U**p parts

AC5Y-**C**-**O**-**U**

AC5Y LUMINAIRE OPTIONS

AC5Y P18: *18 LEDs - 36W - 2.448Lm*

AC5Y P18 RGB: *18 LEDs - 36W*

AC5Y P18 DMX: *18 LEDs - 36W*

AC5Y P18 PDMX: *18 LEDs - 36W*
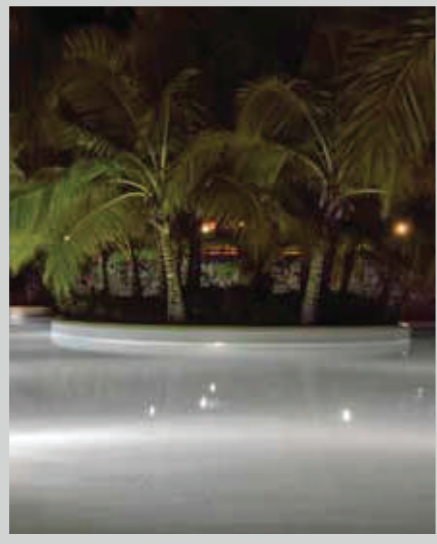
APPLICATION AREAS

AquaCroma 5Y is the pool light, with a long lifetime and which can be mounted on the wall-surface, designed for swimming pools. Various lighting combinations can be formed with the wide range of colour options and colour changing feature, offered with this product.

ELECTROMECHANICAL SPECIFICATIONS   AC5Y-C-O-U

- Polycarbonate product frame
- Polycarbonate limunaire glass
- Operates within a constant output power, at each voltage values
   between 10 volts and 30 volts through stabilising the output current by
   means of the Stepdown current regulator and renders maximum efficiency.
- Operates in alternative or direct current.
- Utilised in the changing of PAR 56 300W halogen lamps without application of any
   circuit changes.
   Can be used under seawater and chlorinated water, up to the maximum depth of 10 m.

BODY SPECIFICATIONS

287
155
61
72

All of the measurements for AquaCroma product groups are in mm.

The body of this luminaire is applied in a manner to be kept completely underwater.

AC5K is designed to be only cooled with water and therefore must definitely be used as immerged to the water. Additional connection boxes for cable connections are separately procured.

VOLTAGE OPTIONS

- Mono colour luminaires, as standard, are designed to operate at every voltage between 12V~24V AC/DC with consuming the same amount power. On account of said feature, the luminaire has a high tolerance against voltage drops.
- Colour changing luminaires are produced as 12V DC PWM controlled, as standard.
- RGB-SD products are manufactured as 12-24 V DC, PWM controlled.
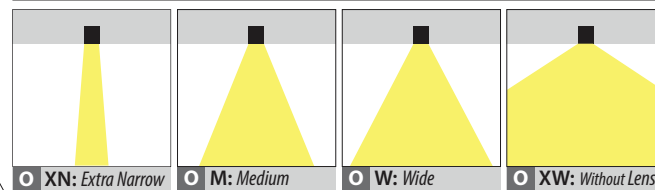
LIGHT COLOUR OPTIONS   AC5Y-**C**-O-U

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
RGB: *RGB*		**B:** *Blue - 465nm*	

LENS OPTIONS   AC5Y-C-**O**-U

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*

The luminaire power may vary according to the ordered colour options.

Protection Class: IP68

Lifetime: 50.000 hours
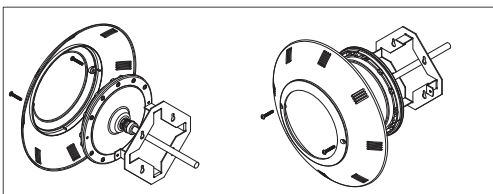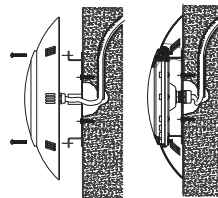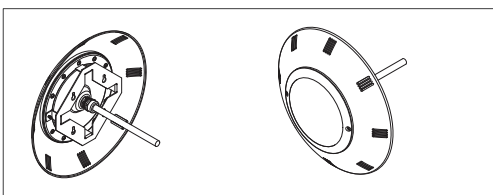
AquaCroma 5Y

UPPER PART OPTIONS

AC5Y-C-O-**U**

| **U** | **P:** *Polycarbonate* |

| **U** | **C:** *Stainless steel coating* |

MOUNTING

Mounted in areas where PAR56 is present.

- *The luminaires are supplied with 0.4 metre rubber underwater cable and 1 single underwater cable joint.*
- *The underwater cable joint must be used if underwater cable splicing is to be applied.*

CONTROL SYSTEM OPTIONS

All of the luminaire have been designed as PWM-controlled. Other control options are identified at the power station, which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

| **DMX -** *DMX Control, 3-4 adress* |
| **DMX1 -** *DMX Control, 1 adress* |
| **PWM -** *PWM Control* |

CABLE JOINTS
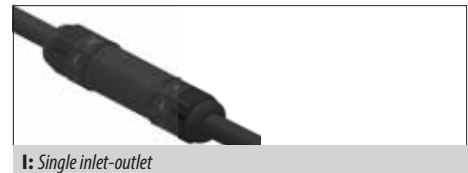
| **I:** *Single inlet-outlet* |
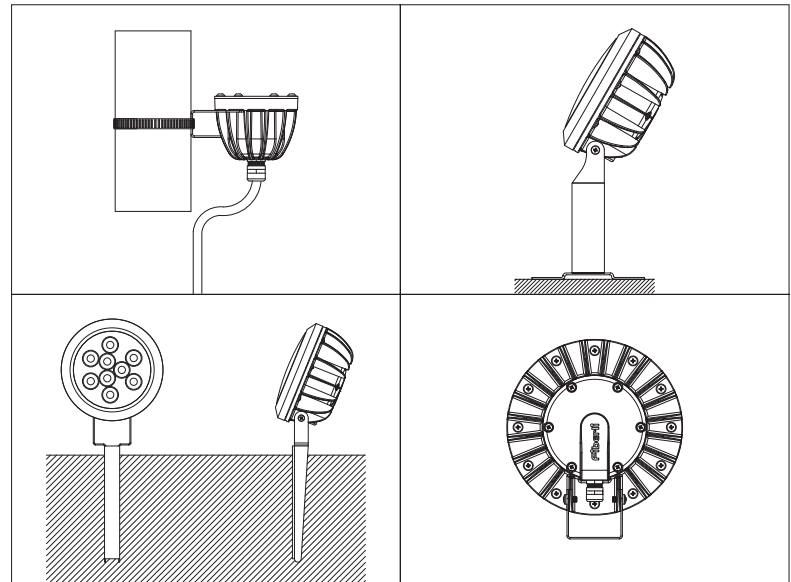
•CromaGardena®

The CromaGardena series is utilised in the illumination of public spaces such as parks, gardens and squares. These luminaires offer an aesthetical illumination of garden compositions. The luminaires can be produced as mono colour or RGB, as per order. Also, they provide the opportunity to fictionalise various luminous effects for landscape architects by virtue of a wide range of colour options and capability to change colours. They provide solutions of good quality and energy efficient without being affected by adverse weather conditions due to their powerful technical structures.

CG1	CG3	CG5-18	CG5-24	CGP5

CromaGardena® Product

CG1 | CromaGardena 1

CromaGardena 1 is a garden spotlight with long lifetime utilised for the illumination of plants such as ornamental trees and flowers.

CG3 | CromaGardena 3

CromaGardena 3 is a garden spotlight with long lifetime utilised for the illumination of areas such as parks, gardens and squares.

CG5-18 | CromaGardena 5-18

CromaGardena 5-18 is utilised in the illumination of areas such as parks, gardens and squares. This 18 LED luminaire generates powerful luminous flux with lesser energy.

CG5-24 | CromaGardena 5-24

CromaGardena 5-24 is utilised in the illumination of areas such as parks, gardens and squares. This 24 LED luminaire generates powerful luminous flux with lesser energy.

CGP5 | CromaGardena P5

CromaGardena Plant 5 is a plant spotlight with long lifetime, designed for the purpose of enabling the greenhouse plants to grow faster.
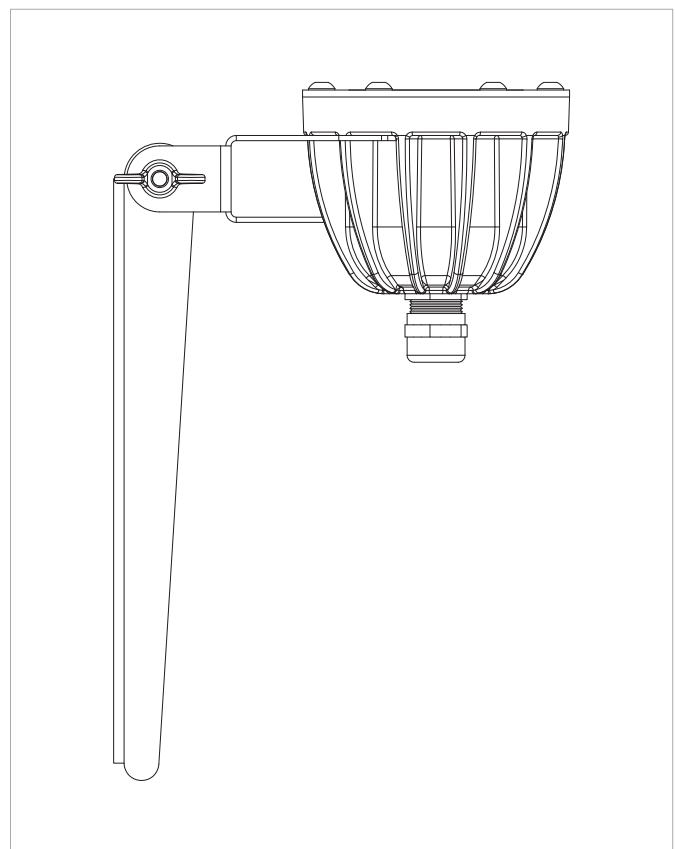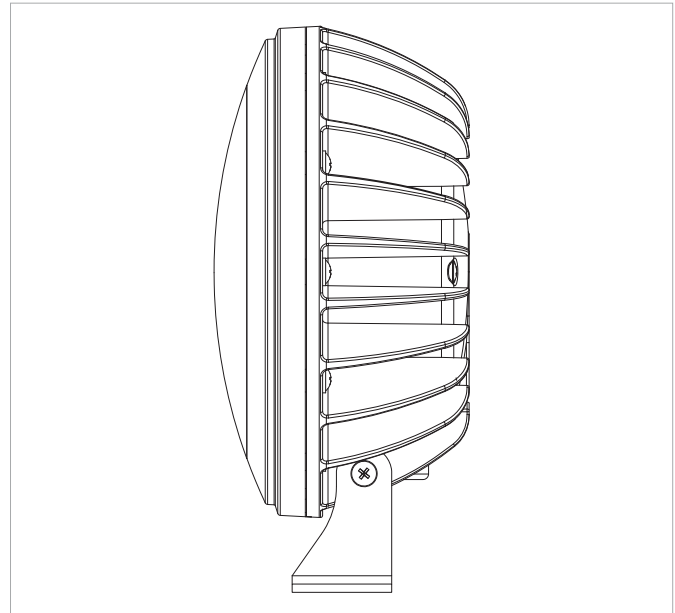
CromaGardena 1 — CG1

Garden spot

PRODUCT CODE EXPENSION

CG1-**V**-**C**-**O**-**U**-M

*Voltaj / **V**oltage*
*Işık rengi / Ligh**t C**olor*
*Lens&Optik / Lens&**O**ptic*
*Üst parçalar / **U**p parts*
*Montaj / **M**ounting*

CG1 LUMINAIRE OPTIONS

CG1 P3:	*3 LEDs - 4,5W - 480Lm*
CG1 P3 RGB:	*3 LEDs - 8W*
CG1 BT6:	*24V - 6 LEDs - 1,5W - 180 Lm*
CG1 BT6 RGB:	*24V - 6 LEDs - 1,5W*

CG1 DOB LUMINAIRE OPTIONS

CG1 D4:	*4 LEDs - 4,5W - 420Lm*

Protection Class: IP67
Lifetime: 50.000 hours

APPLICATION AREAS

CromaGardena 1 is a garden spotlight with long lifetime utilised for the illumination of plants such as ornamental trees and flowers.

ELECTROMECHANICAL SPECIFICATIONS   CG1-V-C-O-U-M

- Stainless steel product frame
- Aluminium injection body
- Polycarbonate limunaire glass
- By means of the constant current driver integrated to the luminaire, provide a safe and efficient with being unaffected by possible fluctuations within the mains voltage for LEDs.
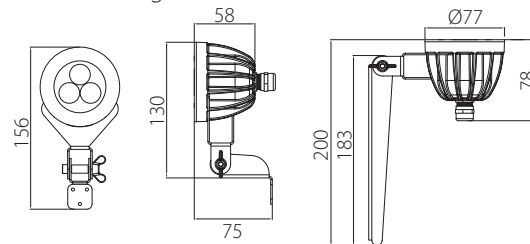
*All of the measurements for CromaGardena product groups are in mm.

VOLTAGE OPTIONS   CG1-**V**-C-O-U-M

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
	DC - *12V, 15V, 24V (Determined during product selection)*
V	**AC -** *220V AC*
	DOB* - *220V AC*

*Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS   CG1-V-**C**-O-U-M

P (PowerLED) (3535) 1W / 350mA - 3W / 700mA

C			C		
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*	
	RGB: *RGB*			**B:** *Blue - 465nm*	

BT (Big TopLED) (5050) 3x20mA / 3x50mA 3 chips

C		
	F: *Full Color 465-625nm*	

Acrich 5050 63V 20mA

C		
	CW: *Cold White - 4.700K-9.500K*	
	NW: *Natural White - 3.700K-4.700K*	
	WW: *Warm White - 2.700K-3.700K*	

CromaGardena 1

LENS OPTIONS

CG1-V-C-**O**-U-M
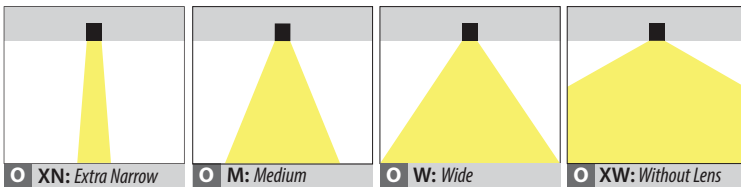
| O **XN:** *Extra Narrow* | O **M:** *Medium* | O **W:** *Wide* | O **XW:** *Without Lens* |

UPPER PART OPTIONS

CG1-V-C-O-**U**-M
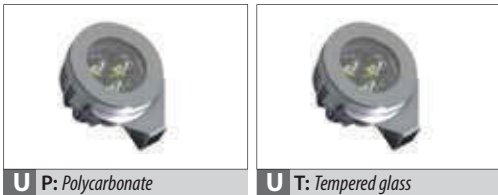
| U **P:** *Polycarbonate* | U **T:** *Tempered glass* |

MOUNTING OPTIONS

CG1-V-C-O-U-**M**

There are three types of mounting depending on the surface;

1- On loose surfaces, it is mounted by means of mounting pole, which is buried in the ground.
2- Connected with clamps to pipes or profiles.
3- On rigid surfaces, fixed on the surface through mounting stands by means of screwing.

Stainless inox connection elements and stands

M **1:** *Pole mounting*

1: Ø50-70
2: Ø32-50
3: Ø20-10

Stainless inox connection elements   *Stainless inox steel clamp*

M **2:** *Clamp mounting*

Stainless inox connection elements and stands

M **3:** *Screwed mounting*

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

DMX1 - *DMX Control, 1 adress*

PWM - *PWM Control*

IP67 CABLE JOINTS

Y: *Dual outlet*   **I:** *Single outlet*

CromaGardena® Garden Light

PRODUCT CODE EXPENSION

CromaGardena

- Voltaj / **V**oltage
- Işık rengi / Light **C**olor
- Lens&Optik / Lens&**O**ptic
- Kablo giriş-çıkış yeri / Cable in–out ways
- Üst parçalar / **U**p parts
- Montaj / **M**ounting

CG3-**V**-**C**-**O**-**K**-**U**-**M**

CG3 LUMINAIRE OPTIONS

CG3 P6:	6 LEDs - 8W - 900Lm
CG3 P9:	9 LEDs - 12,5W - 1.440Lm
CG3-P9 RGB:	9 LEDs - 12,5W
CG3-P9 PDMX:	9 LEDs - 12,5W

CG3 DOB OPTIONS

CG3 D9:	9 LEDs - 8W - 950Lm
CG3 D12:	12 LEDs - 12W - 1.300Lm*
CG3 D14:	14 LEDs - 16W - 1.550Lm*

No lens options.

Protection Class: IP67

Lifetime: 50.000 hours

APPLICATION AREAS

CromaGardena 3 is a garden spotlight with long lifetime utilised for the illumination of areas such as parks, gardens and squares.

ELECTROMECHANICAL SPECIFICATIONS   **CG3**-V-C-O-K-U-M

- Stainless steel coated or white product frame
- Aluminium injection body
- Polycarbonate limunaire glass
- By means of the constant current driver integrated to the luminaire, provide a safe and efficient with being unaffected by possible fluctuations within the mains voltage for LEDs.
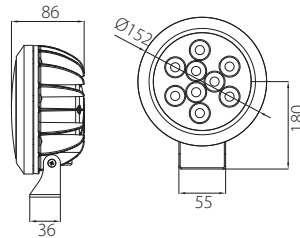
All of the measurements for CromaGardena product groups are in mm.

VOLTAGE OPTIONS   CG3-**V**-C-O-K-U-M

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
	DC - *12V, 15V, 24V (Determined during product selection)*
V	**AC -** *220V AC*
	DOB* - *220V AC*

Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS   CG3-V-**C**-O-K-U-M

P (PowerLED) (3535) 1W / 350mA - 3W / 700mA

C		C	
CW: Cold White - 4.700K-9.500K		**R:** Red - 625nm	
NW: Natural White - 3.700K-4.700K		**A:** Amber - 590nm	
WW: Warm White - 2.700K-3.700K		**G:** Green - 525nm	
RGB: RGB		**B:** Blue - 465nm	

BT (Big TopLED) (5050) 3x20mA / 3x50mA 3 chips

C	
F: Full Color 465-625nm	

Acrich 5050 63V 20mA

C	
CW: Cold White - 4.700K-9.500K	
NW: Natural White - 3.700K-4.700K	
WW: Warm White - 2.700K-3.700K	

CromaGardena 3

LENS OPTIONS
CG3-V-C-**O**-K-U-M

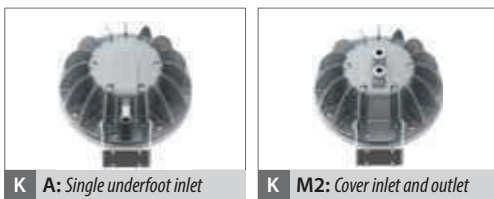|			
O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*
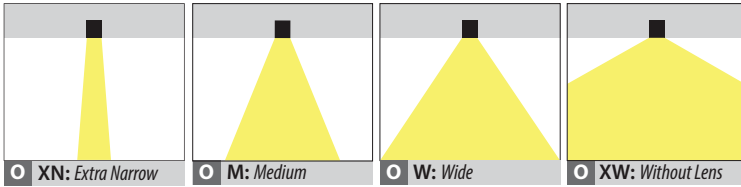
CABLE INLET POINT OPTIONS
CG3-V-C-O-**K**-U-M

The cable inlet points may vary according to the form of mounting of the luminaire. Cable inlet – outlet options are as given below;
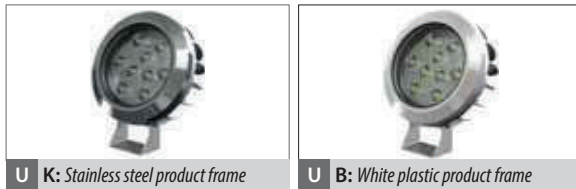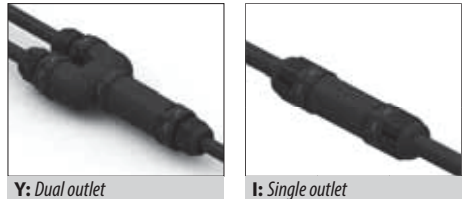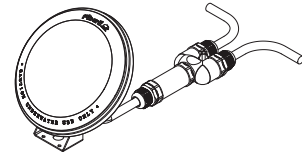
K A: *Single underfoot inlet*	**K** M2: *Cover inlet and outlet*

UPPER PART OPTIONS
CG3-V-C-O-K-**U**-M

Spot mirror may be chrome-coated or white.

U K: *Stainless steel product frame*	**U** B: *White plastic product frame*

MOUNTING OPTIONS
CG3-V-C-O-K-U-**M**

There are two types of mounting depending on the surface;
1- On loose surfaces, it is mounted by means of mounting pole, which is buried in the ground.
2- On rigid surfaces, fixed on the surface through mounting stands by means of screwing.

Stainless inox connection elements and stands

M 1: *Pole mounting*

M 2: *Screwed mounting*

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

DMX1 - *DMX Control, 1 adress*

PWM - *PWM Control*

IP67 CABLE JOINTS

Y: *Dual outlet*	**I:** *Single outlet*

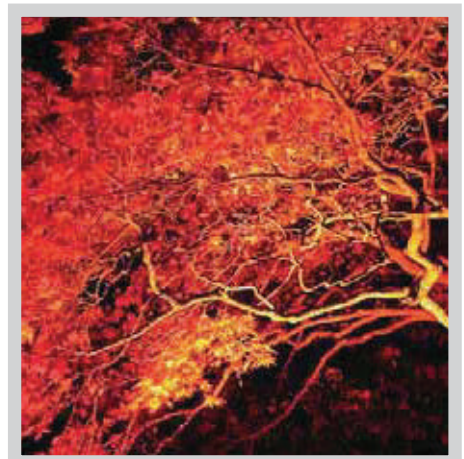### OPTIONAL EXTENSION STANDS

A5: *Extension part A=5cm*
A10: *Extension part A=10cm*
A20: *Extension part A=20cm*

Note: Extension piece at the desired length can externally be manufactured.

CromaGardena 5-18 — CG5-18

Garden spot 18 LEDs

PRODUCT CODE EXPENSION

Voltaj / Voltage
Işık rengi / Light Color
Lens&Optik / Lens&Optic
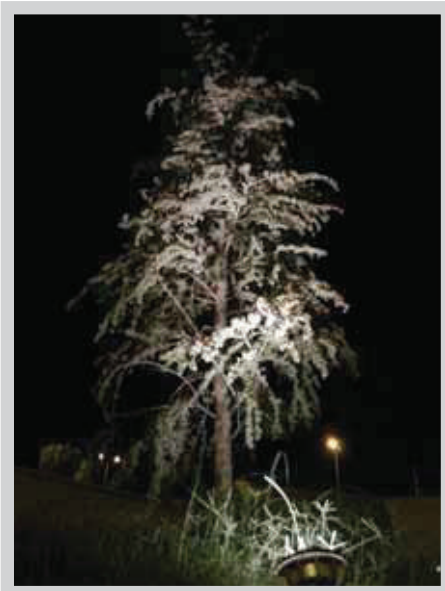*Kablo giriş-çıkış yeri / Cable in-out ways*
Üst parçalar / Up parts
Montaj / Mounting

CG5-18 - V - C - O - K - U - M

CG5-18 LUMINAIRE OPTIONS

CG5 P12:	*12 LEDs - 17W - 1.950Lm*
CG5 P18:	*18 LEDs - 25W - 2.880Lm*
CG5 P18 RGB:	*18 LEDs - 25W*
CG5 P18 PDMX:	*18 LEDs - 25W*

CG5 DOB OPTIONS

CG5 D18:	*18 LEDs-20W-2.300Lm*
CG5 D28:	*28 LEDs-30W-3.450Lm**

*No lens options.

Protection Class: IP67
Lifetime: 50.000 hours

APPLICATION AREAS

CromaGardena 5-18 is utilised in the illumination of areas such as parks, gardens and squares. This 18 LED luminaire generates powerful luminous flux with lesser energy.

ELECTROMECHANICAL SPECIFICATIONS — CG5-18-V-C-O-K-U-M

- Stainless steel coated or white product frame
- Aluminium injection body
- Polycarbonate limunaire glass
- By means of the constant current driver integrated to the luminaire, provide a safe and efficient with being unaffected by possible fluctuations within the mains voltage for LEDs.

Ø178   92   200
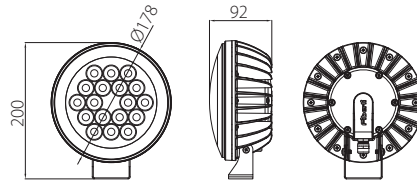
*All of the measurements for CromaGardena product groups are in mm.

VOLTAGE OPTIONS — CG5-18-**V**-C-O-K-U-M

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
- In addition, luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
	DC - *12V, 15V, 24V (Determined during product selection)*
V	**AC -** *220V AC*
	DOB* - *220V AC*

*Drive on Board: By virtue of this method, LEDs are driven with direct 220V AC, through custom ICs, placed on the LED circuit, eliminating the necessity towards the conventional constant current or voltage source. For these circuits, cosø=1 at all times. There are no driver losses.

LIGHT COLOUR OPTIONS — CG5-18-V-**C**-O-K-U-M

	P (PowerLED) (3535) 1W / 350mA - 3W / 700mA				
	CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
C	**NW:** *Natural White - 3.700K-4.700K*	**C**	**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
	RGB: *RGB*		**B:** *Blue - 465nm*	

	BT (Big TopLED) (5050) 3x20mA / 3x50mA 3 chips
C	**F:** *Full Color 465-625nm*

	Acrich 5050 63V 20mA
	CW: *Cold White - 4.700K-9.500K*
C	**NW:** *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

CromaGardena 5-18

LENS OPTIONS
CG5-18-V-C-**O**-K-U-M

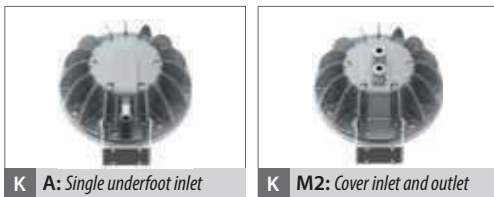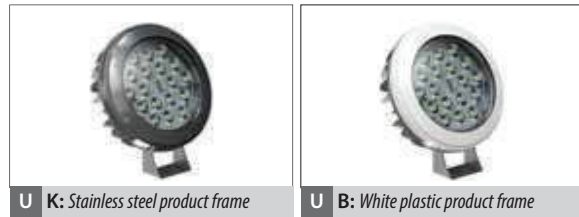| **O** XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*
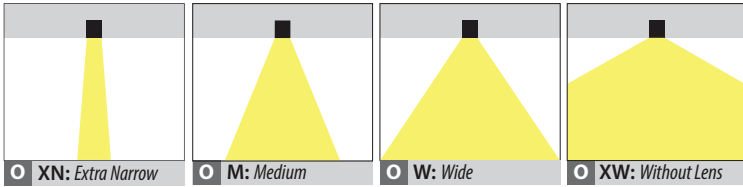
CABLE INLET POINT OPTIONS
CG5-V-C-O-**K**-U-M

The cable inlet point for 24V DC luminaires can vary according to the manner of mounting. Cable inlet – outlet options are as given below;

K A: *Single underfoot inlet*	**K** M2: *Cover inlet and outlet*

UPPER PART OPTIONS
CG5-18-V-C-O-K-**U**-M

Spot mirror may be chrome-coated or white.

U K: *Stainless steel product frame*	**U** B: *White plastic product frame*

MOUNTING OPTIONS
CG5-18 V-C-O-K-U-**M**

There are two types of mounting depending on the surface;
1- On loose surfaces, it is mounted by means of mounting pole, which is buried in the ground.
2- On rigid surfaces, fixed on the surface through mounting stands by means of screwing.

Stainless inox connection elements and stands

M 1: *Pole mounting*

M 2: *Screwed mounting*

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*

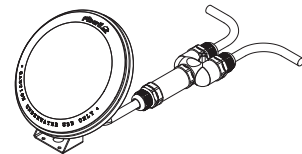**DMX1 -** *DMX Control, 1 adress*

PWM - *PWM Control*

IP67 CABLE JOINTS

Y: *Dual outlet*	**I:** *Single outlet*

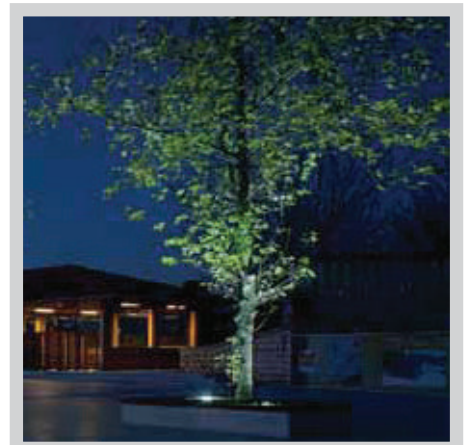### OPTIONAL EXTENSION STANDS

A5: *Extension part A=5cm*

A10: *Extension part A=10cm*

A20: *Extension part A=20cm*

Note: Extension piece at the desired length can externally be manufactured.

CromaGardena 5-24   CG5-24

Garden spot 24 LEDs

APPLICATION AREAS

CromaGardena 5-24 is utilised in the illumination of areas such as parks, gardens and squares. This 24 LED luminaire generates powerful luminous flux with lesser energy.

ELECTROMECHANICAL SPECIFICATIONS   CG5-24-V-C-O-J-U-M

- Stainless steel coated or white product frame
- Aluminium injection body
- Polycarbonate limunaire glass
- By means of the constant current driver integrated to the luminaire, provide a safe and efficient with being unaffected by possible fluctuations within the mains voltage for LEDs.

All of the measurements for CromaGardena product groups are in mm.

PRODUCT CODE EXPENSION

Voltaj / Voltage
Işık rengi / Light Color
Lens&Optik / Lens&Optic
Jack / connector/soket
Üst parçalar / Up parts
Montaj / Mounting

CG5-24 - V - C - O - J - U - M

CG5-24 LUMINAIRE OPTIONS

CG5 24 PDMX/A: *24 LEDs - 26,4W*	
CG5 24 PDMXW: *24 LEDs - 28,5W*	
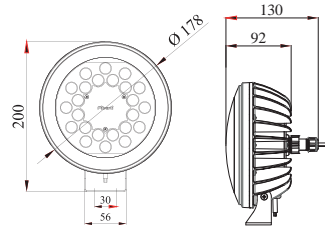
VOLTAGE OPTIONS   CG5-24-**V**-C-O-J-U-M

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- Manufactured either with four colour DMX controlled or four colour PWM controlled, as standard.

VOLTAGE OPTIONS	
V	**DC -** *12V - 24V (Determined during product selection)*
	AC - *220V AC (External driver)*

LIGHT COLOUR OPTIONS   CG5-24-V-**C**-O-J-U-M

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
		B: *Blue - 465nm*	

LENS OPTIONS   CG5-24-V-C-**O**-J-U-M

O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*
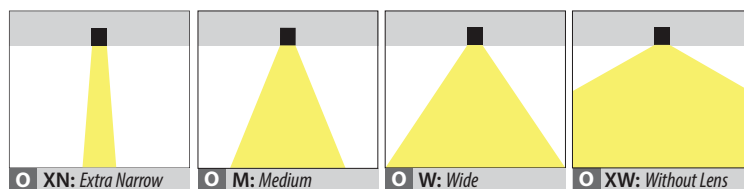
Protection Class: IP67
Lifetime: 50.000 hours

CromaGardena 5-24

SOCKET OPTIONS   CG5-24-V-C-O-**J**-U-M

J STD: *Cable*	**J** K: *Connector*

UPPER PART OPTIONS   CG5-24-V-C-O-J-**U**-M

Spot mirror may be chrome-coated or white.

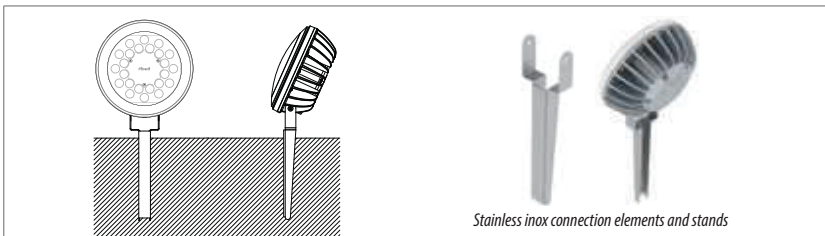| **U** K: *Stainless steel product frame*	**U** B: *White plastic product frame*

MOUNTING OPTIONS   CG5-24-V-C-O-J-U-**M**

There are two types of mounting depending on the surface;
1- On loose surfaces, it is mounted by means of mounting pole, which is buried in the ground.
2- On rigid surfaces, fixed on the surface through mounting stands by means of screwing.

Stainless inox connection elements and stands

M **1:** *Pole mounting*
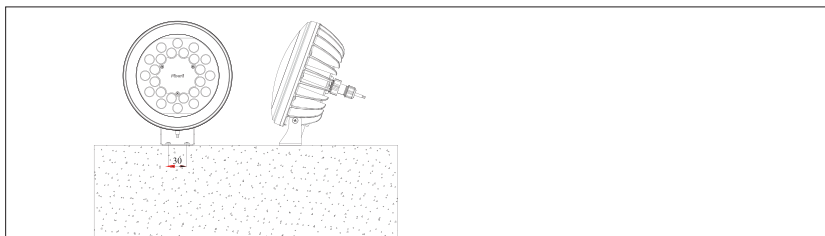
M **2:** *Screwed mounting*

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES
EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*
DMX1 - *DMX Control, 1 adress*
PWM - *PWM Control*

OPTIONAL EXTENSION STANDS
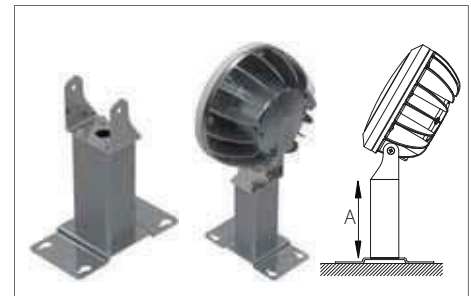
A5: *Extension part A=5cm*
A10: *Extension part A=10cm*
A20: *Extension part A=20cm*

Note: Extension piece at the desired length can externally be manufactured.

CromaGardena Plant5 — CGP5

Plant spotlight

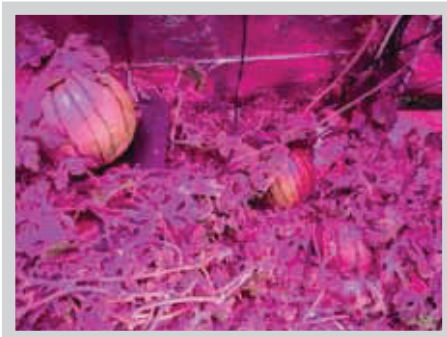### PRODUCT CODE EXPENSION

Voltaj / **V**oltage
Işık rengi / Ligh**t C**olor
Lens&**O**ptik / Lens&**O**ptic
Montaj / **M**ounting
Üst parçalar / **U**p parts

CGP5-**V**-**C**-**O**-**M**-**U**

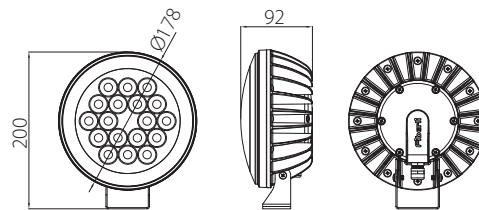### CGP5 LUMINAIRE OPTIONS

CGP5 RGB: *18 LEDs - 25W*

APPLICATION AREAS

CromaGardena Plant 5 is a plant spotlight with long lifetime, designed for the purpose of enabling the greenhouse plants to grow faster.

ELECTROMECHANICAL SPECIFICATIONS — **CGP5**-V-C-O-M-U

- Stainless steel coated or white product frame
- Aluminium injection body
- Polycarbonate limunaire glass
- By means of the constant current driver integrated to the luminaire, provide a safe and efficient with being unaffected by possible fluctuations within the mains voltage for LEDs.

Ø178   92   200

*All of the measurements for CromaGardena product groups are in mm.

VOLTAGE OPTIONS — CGP5-**V**-C-O-M-U

- The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
- Mono colour DC luminaires are, optionally, produced to consume the same amount of power at every unit of voltage between 12-24V DC.
- The colour-changing luminaires are manufactured as DC supplied (product-compatible voltage) or PWM controlled, as standard.

VOLTAGE OPTIONS	
V	**DC -** *12V - 24V (Determined during product selection)*
	AC - *220V AC (External driver)*

LIGHT COLOUR OPTIONS — CGP5-V-**C**-O-M-U

C	**R:** *Red - 625nm*
	A: *Amber - 590nm*
	G: *Green - 525nm*
	B: *Blue - 465nm*
	RGB: *RGB*

LENS OPTIONS — CGP5-V-C-**O**-M-U
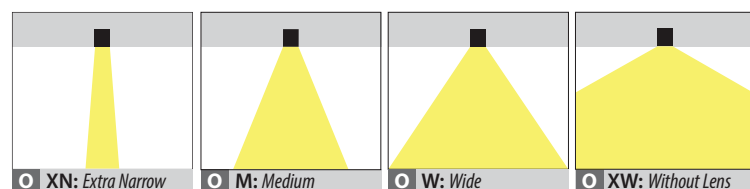
O XN: *Extra Narrow*	**O** M: *Medium*	**O** W: *Wide*	**O** XW: *Without Lens*

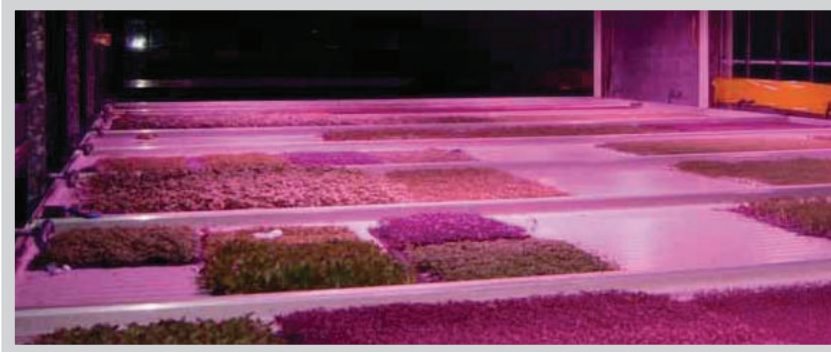*Protection Class: IP67*
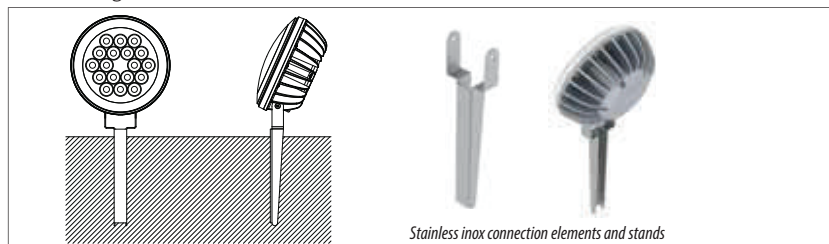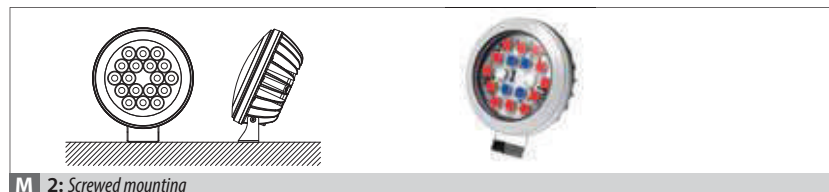*Lifetime: 50.000 hours*

CromaGardena Plant 5

MOUNTING OPTIONS
CGP5-V-C-O-**M**-U

There are two types of mounting depending on the surface;
1- On loose surfaces, it is mounted by means of mounting pole, which is buried in the ground.
2- On rigid surfaces, fixed on the surface through mounting stands by means of screwing.

Stainless inox connection elements and stands

M **1:** *Pole mounting*

M **2:** *Screwed mounting*

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

DMX - *DMX Control, 3-4 adress*	
DMX1 - *DMX Control, 1 adress*	
PWM - *PWM Control*	

IP67 CABLE JOINTS

Y: *Dual outlet*   **I:** *Single outlet*

OPTIONAL EXTENSION STANDS

A5: *Extension part A=5cm*	
A10: *Extension part A=10cm*	
A20: *Extension part A=20cm*	

Note: Extension piece at the desired length can externally be manufactured.

•CromaBollard

The CromaGardena series is utilised in the illumination of public spaces such as parks, gardens and squares. These luminaires offer an aesthetical illumination of garden compositions. The luminaires can be produced as mono colour or RGB, as per order. Also, they provide the opportunity to fictionalise various luminous effects for landscape architects by virtue of a wide range of colour options and capability to change colours. They provide solutions of good quality and energy efficient without being affected by adverse weather conditions due to their powerful technical structures.

CBW   **CBC**
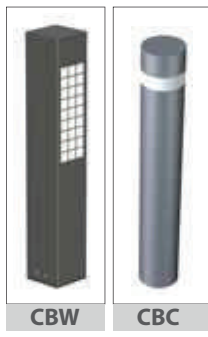
CromaBollard Product

CBW | CromaBollard W

CromaBollard W is a garden spotlight with long lifetime utilised for the illumination of plants such as ornamental trees and flowers.
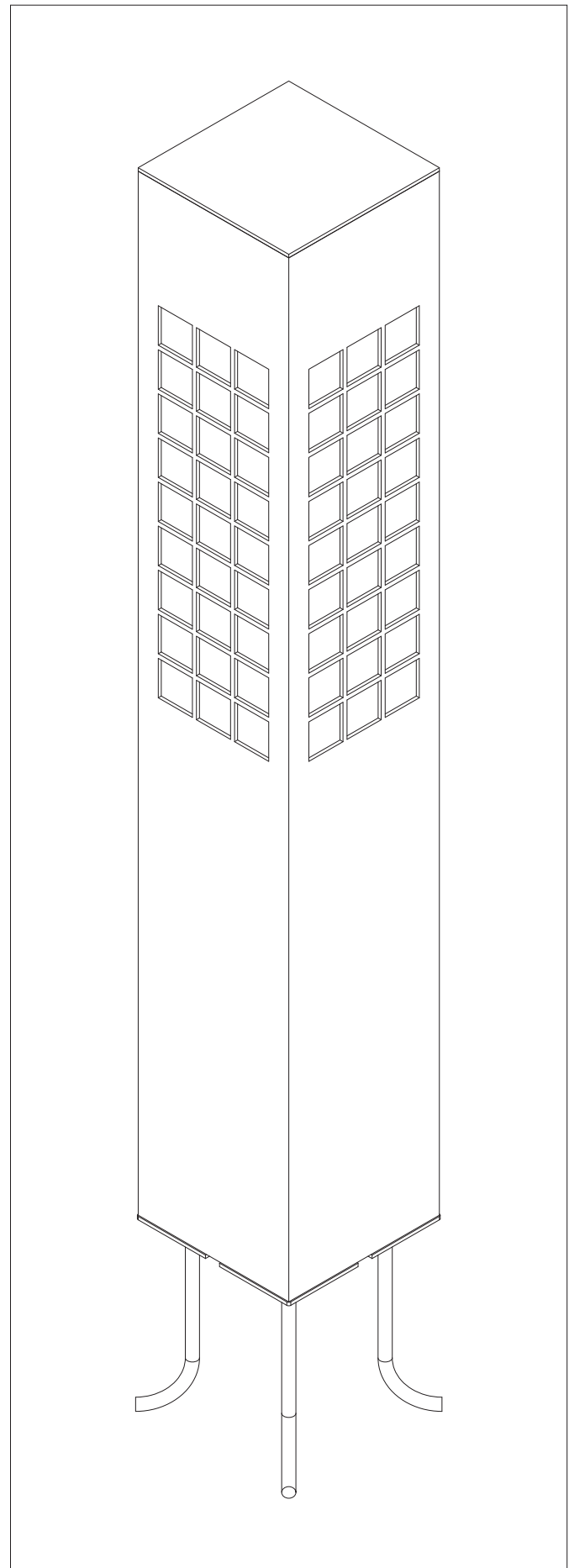
CBC | CromaBollard C

CromaBollard C is a garden spotlight with long lifetime utilised for the illumination of plants such as ornamental trees and flowers.

CromaBollard Window   CBW

Decorative Garden Light

PRODUCT CODE EXPENSION

Ebatlar ve LED mik. / Dimen. LED quantity
Işık rengi / Light Color
Gövde materyali / Body material
Gövde materyali / Body material
Ek parçalar / Extra parts

CBW-D-C-G-B-E

CBW 220V AC

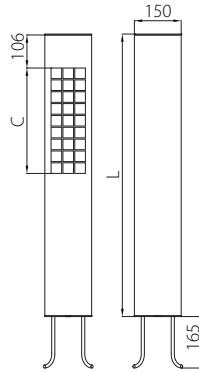|	
CBW 7: *32W-2.450Lm*	
CBW 9: *42W-3.200Lm*	
CBW 11: *50W-3.800Lm*	

APPLICATION AREAS

CromaBollard W is a garden spotlight with long lifetime utilised for the illumination of plants such as ornamental trees and flowers.

ELECTROMECHANICAL SPECIFICATIONS   **CBW**-D-C-G-B-E

- Electrostatic powder coated body
- Polycarbonate limunaire glass

150
106
C
L
165

*All of the measurements for CromaBollard product groups are in mm.

DIMENSIONS   CBW-**D**-C-G-B-E

D		
	CBW7: *C: 290, L: 700mm*	
	CBW9: *C: 390, L: 900mm*	
	CBW11: *C: 490, L: 1.100mm*	

VOLTAGE SPECIFICATIONS

The mono colour luminaires have been designed, as standard, to operate with 220V AC, however in case of necessity, the luminaires can be manufactured as DC supplied compatible with the product.
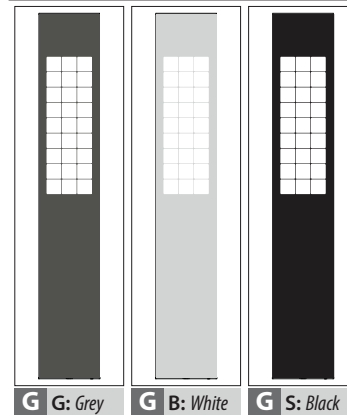
LIGHT COLOUR OPTIONS   CBW-D-**C**-G-B-E

C		C	
CW: *Cold White - 4.700K-9.500K*		**R:** *Red - 625nm*	
NW: *Natural White - 3.700K-4.700K*		**A:** *Amber - 590nm*	
WW: *Warm White - 2.700K-3.700K*		**G:** *Green - 525nm*	
RGB: *RGB*		**B:** *Blue - 465nm*	

BODY COLOR OPTIONS   CBW-D-C-**G**-B-E

G **G:** *Grey*	G **B:** *White*	G **S:** *Black*

CromaBollard W

BODY MATERIAL
CBW-D-C-G-**B**-E
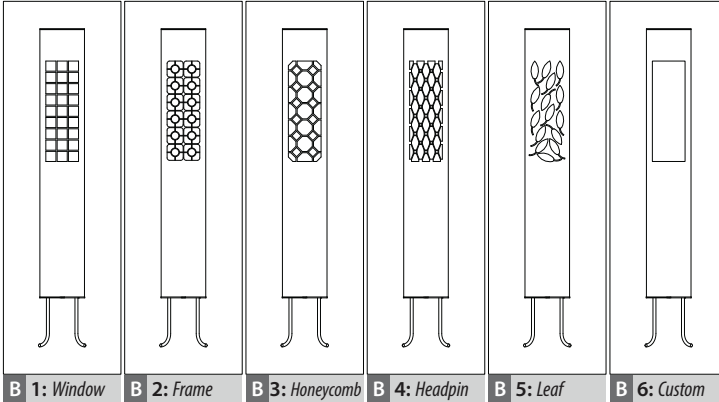
B 1: *Window*	**B** 2: *Frame*	**B** 3: *Honeycomb*	**B** 4: *Headpin*	**B** 5: *Leaf*	**B** 6: *Custom*

SUPPLEMENTARY PART OPTIONS
CBW-D-C-G-B-**E**
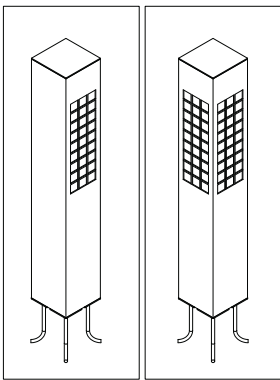
E 2: *Two sided*	**E** 4: *Four sided*

MOUNTING
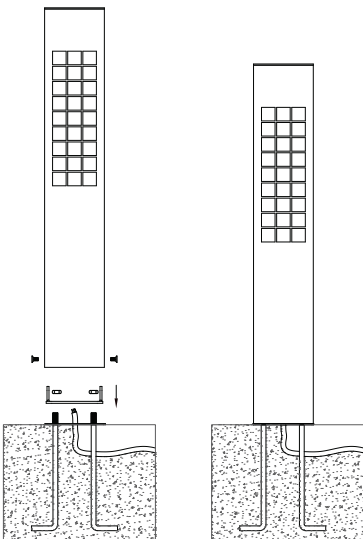
CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

| **DMX -** *DMX Control, 3-4 adress* |
| **DMX1 -** *DMX Control, 1 adress* |
| **PWM -** *PWM Control* |

IP67 CABLE JOINTS

Y: *Dual outlet*	**I:** *Single outlet*

CromaBollard Decorative Garden Light

## CromaBollard Circular — CBC

Decorative Garden Light

APPLICATION AREAS

CromaBollard C is a garden spotlight with long lifetime utilised for the illumination of plants such as ornamental trees and flowers.

ELECTROMECHANICAL SPECIFICATIONS — CBC-C

- Electrostatic powder coated aluminium body
- Aluminium injection body
- Asymmetrical lens
- Stainless steel pipe fittings
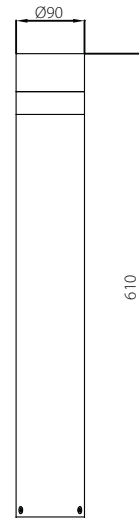
Ø90

610

All of the measurements for CromaBollard product groups are in mm.

VOLTAGE SPECIFICATIONS

Luminaires can be produced to be operative at 220V without requiring a separate driver (**D**rive **O**n **B**oard), if necessary.

LIGHT COLOUR OPTIONS — CBC-**C**

C	**CW:** *Cold White - 4.700K-9.500K*
	NW: *Natural White - 3.700K-4.700K*
	WW: *Warm White - 2.700K-3.700K*

PRODUCT CODE EXPENSION

Işık rengi / Light Color

CBC-**C**

CBC 220V AC

CBC 90: *12W-600Lm*
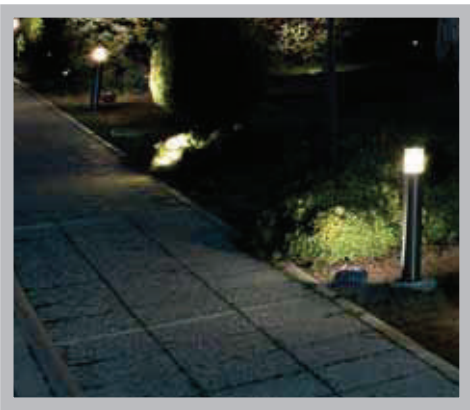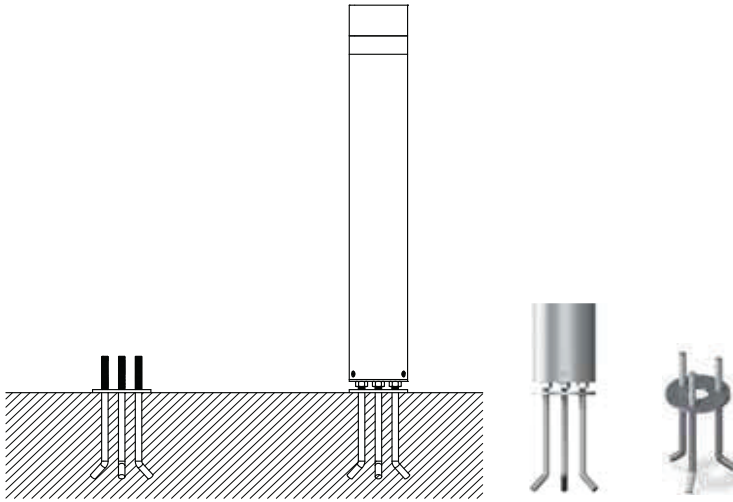
Protection Class: IP65
Lifetime: 50.000 hours
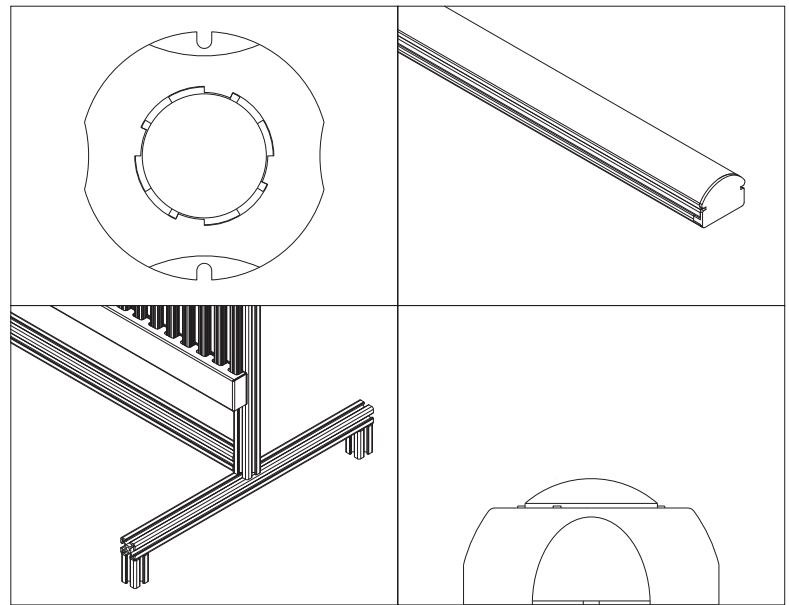
CromaBollard C

MOUNTING

CONTROL SYSTEM OPTIONS

All of the luminaires are manufactured in a manner to enable controlling with PWM. Other control options are designated at the power station which the luminaires are connected to.

Fiberli

LED
LL
DP
CD
WW
CS
CF
AC
CG
CB
LC
EL
FO

•LEDCell

LEDCell series is Multi – LED curtains and spot luminaires, manufactured in the form and measurements convenient for organizations such as concerts, exhibitions, discos, fairs and venues for light shows. The pixel resolutions of these luminaires can be adjusted depending upon the watching distance. Fascinating light shows and graphic animations can be displayed. There are also types of luminaires within this series which react to sound and transmit live feed. These can both be used as fixed or portable due to their flexible design.

CDP	CED	LCP

LEDCell Product

CDP | CromaDot Pixel

It is the DMX or PWM controlled spot luminaire, designed to create animations and light shows without enforcing any limitations on the length of the facades.
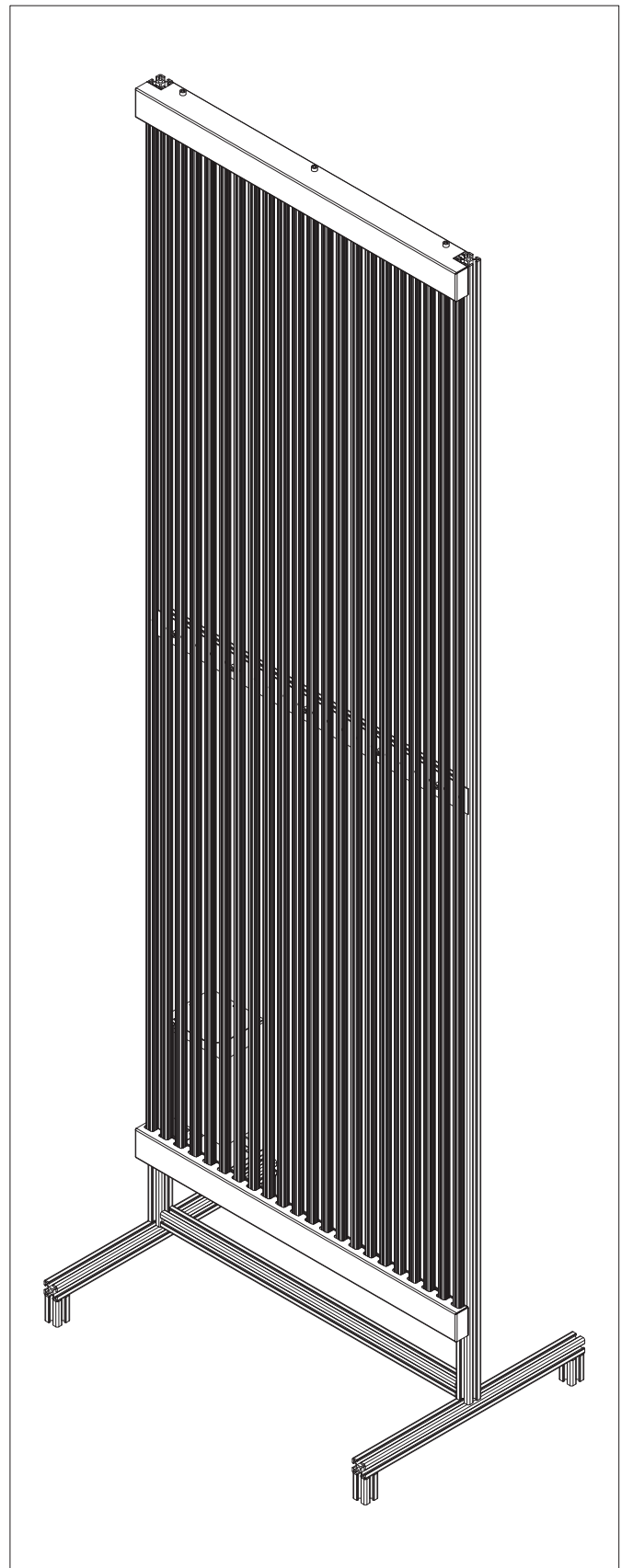
CED | LEDCell Pixel

CED luminaires can be utilised on facades without any length limitations, due to being spot luminaires. These luminaires are preferred in areas such as Shopping Malls and entertainment centres as a result of their contribution in the aesthetical appearance of the venues.

LCP | LEDCell Pixel

Single and multi-panel compatible, 20mm, interactive, multiLED matrix.

CromaDot Pixel   CDP

Spot lighting luminaire

PRODUCT CODE EXPENSION

Güç / Power / Watt
Işık rengi / Light Color

CDP-W-C

CDP LUMINAIRE OPTIONS

CDP P3: *3 LEDs - 4,5W - 12~24V DC*
CDP BT6: *6 LEDs - 1,5W - 24V DC*
CDP BT6 RGB: *6 LEDs - 3W - 24V DC*
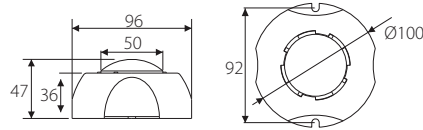**CDP BT6 XRGB:** *6 LEDs - 3W - 24V DC*

APPLICATION AREAS

It is the DMX or PWM controlled spot luminaire, designed to create animations and light shows without enforcing any limitations on the length of the facades.

ELECTROMECHANICAL SPECIFICATIONS   CDP-W-C

- Aluminium injection body
- Polycarbonate limunaire glass

96 · 50 · 47 · 36 · 92 · Ø100

LIGHT COLOUR OPTIONS   CDP-**W**-**C**

P (PowerLED) (3535) 1W / 350mA

C				C	
	CW: *Cold White - 4.700K-9.500K*			**R:** *Red - 625nm*	
	NW: *Natural White - 3.700K-4.700K*			**A:** *Amber - 590nm*	
	WW: *Warm White - 2.700K-3.700K*			**G:** *Green - 525nm*	
				B: *Blue - 465nm*	

A4 / Acriche A4 220V 20mA

C **CW:** *Cold White - 4.700K-9.500K*
NW: *Natural White - 3.700K-4.700K*
WW: *Warm White - 2.700K-3.700K*

*Drive on Board: The LEDs are driven with direct 220V AC without any conventional constant current or voltage source, via the custom ICs placed on LED circuit, by means of this system. Cosø equals to 1 at all times in the aforementioned circuits. There are no Driver losses.

BT / SMT Big TopLED (5050) 3x20 mA 3 Chip'li
C **F:** *RGB*

MOUNTING

The luminaires are mounted to the floor with screws. They are mounted with the assistance of adhesives in impenetrable surfaces.

Protection Class: IP40/IP65
Lifetime: 50.000 hours

CromaDot Pixel

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.

EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

COLOR CONTROL OPTIONS

DMX - *DMX Control, 3-4 adress*

Contemporary illuminating technics...

CromaEasy Dot   CED

Spot lighting luminaire

APPLICATION AREAS

CED luminaires can be utilised on facades without any length limitations, due to being spot luminaires. These luminaires are preferred in areas such as Shopping Malls and entertainment centres as a result of their contribution in the aesthetical appearance of the venues.

ELECTROMECHANICAL SPECIFICATIONS   CED-C-G

- Plastic injection body
- Polycarbonate limunaire glass
- Flat cable

PRODUCT CODE EXPENSION

Işık rengi / Light Color
Gövde materyali / Body material

CED-**C**-**G**

CED LUMINAIRE OPTIONS

CED P1: *1 LED - 1W - 24V DC*
CED BT6 XRGB: *6 LEDs - 1,7W - 24V DC*

12
58.2
27.1
5.2
Ø50
x
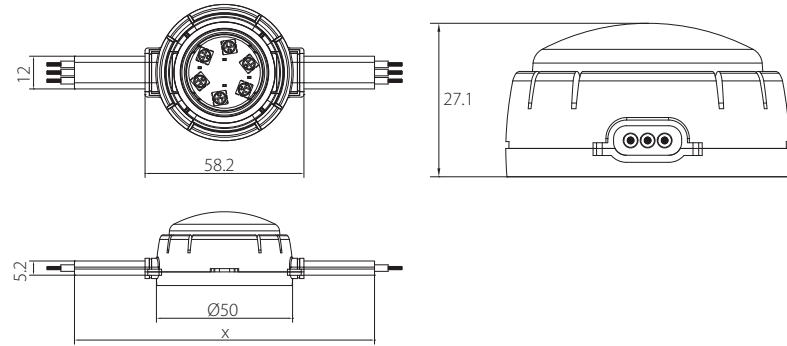
LIGHT COLOUR OPTIONS   CED-**C**-G

BT / SMT Big TopLED (5050) 3x20 mA 3 Chips

C
R: *Red - 625nm*
A: *Amber - 590nm*
G: *Green - 525nm*
B: *Blue - 465nm*
F: *RGB*

P (PowerLED) (3535) 1W / 350mA

C
CW: *Cold White - 4.700K-9.500K*
NW: *Natural White - 3.700K-4.700K*
WW: *Warm White - 2.700K-3.700K*

BODY COLOR OPTIONS   CED-C-**G**

G **S:** *Black*   **G** **B:** *White*

Protection Class: IP65
Lifetime: 50.000 hours

Fiberli *Fiberoptic & LED Products Catalogue*
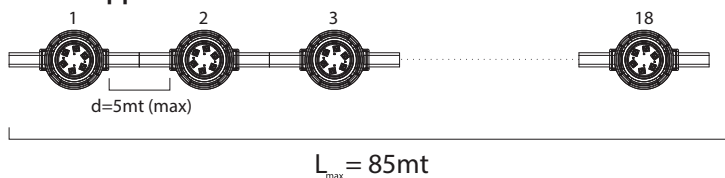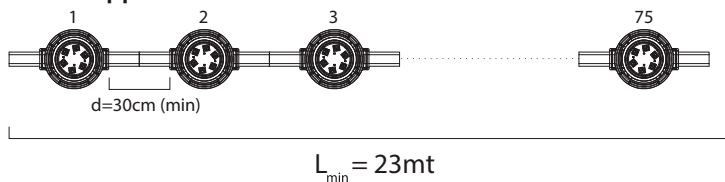LEDLIGHT CE

CromaEasy Dot
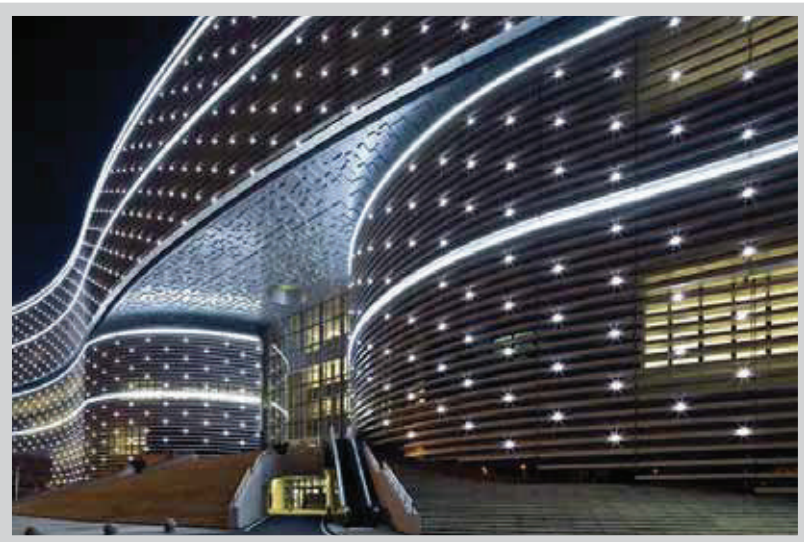
MOUNTING

The luminaires are mounted to the floor with screws. They are mounted with the assistance of adhesives in impenetrable surfaces.

Application Method

Model Application 1:

d=5mt (max)

$$L_{max} = 85mt$$

Model Application 2:

d=30cm (min)

$$L_{min} = 23mt$$

CONTROL SYSTEM OPTIONS

The control systems of these luminaires are used externally. Control systems are selected from the external accessories table.
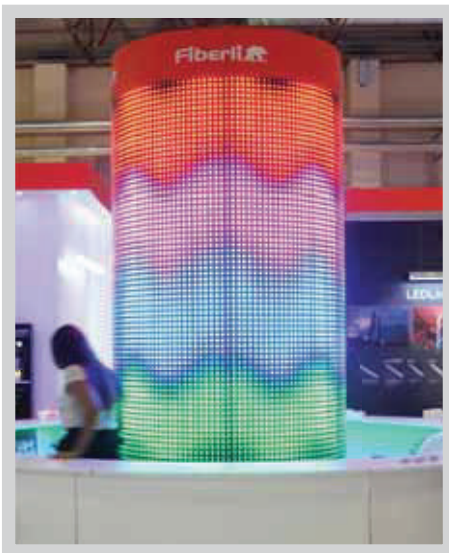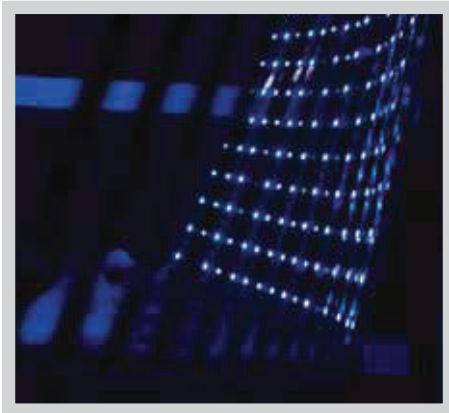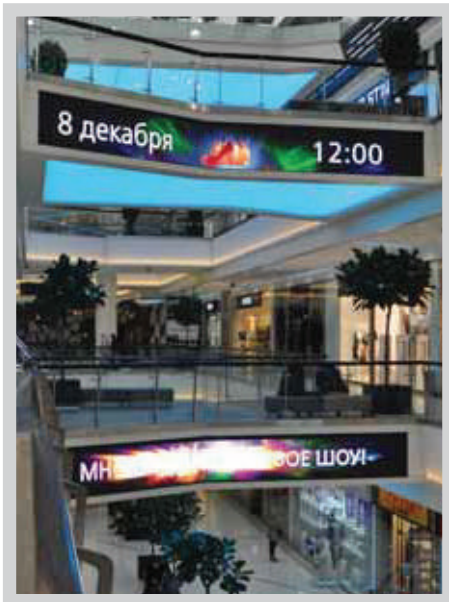
EXTERNAL ACCESSORIES

EXTERNAL CONTROLLER OPTIONS

COLOR CONTROL OPTIONS

DMX - *DMX Control, 3-4 adress*

LEDCellPixel   LCP

Applicable interactive and video graphic screen

APPLICATION AREAS

The luminaires are frequently utilised at hotels, concerts, discos, fairgrounds and perform-ing art activities by virtue of their easily adjustable structure. There are also flexible and radiant screen types, which are noise-sensitive and can transmit live feed from computers. These luminaires have been designed in a manner to transmit continuous stream from screens aligned side-by-side.

ELECTROMECHANICAL SPECIFICATIONS

These are visual, graphic and animation products at free resolution (min 8mm/pixel), which are restricted in terms of measurement and form, can be placed on a panel in the form of strips or chains and each LED of which (Full Colour) can be controlled with the IC placed within the related LED.

LED OPTIONS

LEDCell (5050) FB102

(F)   Full Color   (R)- (G)-(B)

MOUNTING OPTIONS

The luminaires are mounted to the floor with screws. They are mounted with the assistance of adhesives in impenetrable surfaces.
Stand, wall suspension, recessed mounting options are also applicable. Single screen appearance can be provided by placing the screens, which are manufactured in defined measurements, side-by-side. The screens are uniformly manufactured at desired dimen-sions and continuous display is achieved by combining more than one screen, in the form pursuant to the measurements of the area of application.

LEDCellPixel Panel:

This panel is utilised by being mounted on a FR4 PCB panel, with dimensions of 40x40cm, for indoor applications at resolution ranges of 8mm-30mm/pixel. The mechanical infrastructure, compatible with this structure, is available and video, graphic and anima-tion panels, at desired dimensions, with the combination of panels, can be formed.

LEDCell Panel 24V:

- Used in indoors.
- Operating voltage is 24 V.
- Offers several application and mounting options depending on the project.
- Led spacing is 2.4 cm.
- 18-block matrix PCB can be divided into 18 separate pieces and each of these pieces can separately be used.
- There are 288 LEDs in 18-block matrix PCB and 16 LEDs in every block.
- The dimensions of the 18-block matrix are 286mm X 575mm. The dimensions of a single block, on the other hand, are 95mm X 95mm.
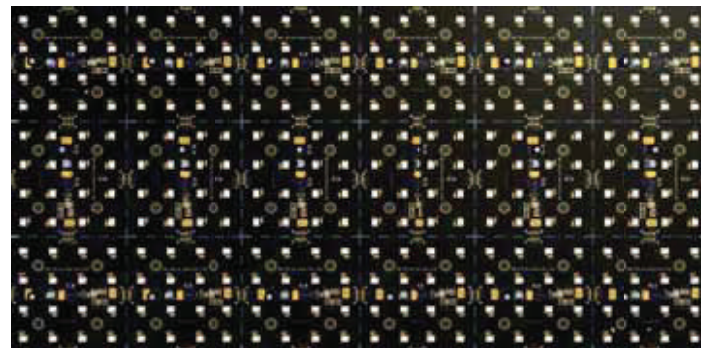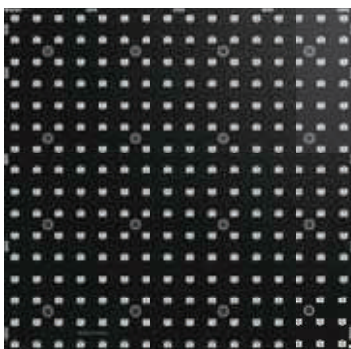
LEDCellPixel

LEDCell Panel 5V:

- Used in indoors.
- Operating voltage is 5V.
- Offers several application and mounting options depending on the project.
- Led spacing is 2cm.
- Matrix PCB is manufactured in 320mm X 320mm dimensions.

LEDCellPixel Bar:

This bar is utilised through mounting on FR4 PCB strips with a width of 16 mm and length of 40 cm for indoor implementations at a resolution range of 30mm-70mm/pixel. Single side supply up to 5 meters can be applied by joining the strips. This structure can also be utilised with all LLS, LLK and LLU profiles. Through interconnecting these profiles, video, graphic and animation panels at desired dimensions are created. It can be accommodated to outdoor use through polymer coating.
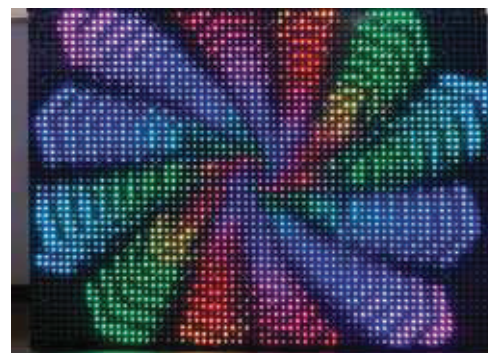
LEDCell 20:

- Designed within the rate of 20 pixel per 1 meter.
- Operating voltage is 5V.
- Led spacing is 5 cm.
- Divisibility option for every led.
- The profile, which can be utilised with this product, is deep housing profiles. LLI, LLW2, LLU profiles can be listed as examples for these profiles.
- Outdoor or indoor options available.
- Manufacturable in custom dimensions according to the project.

LEDCell 30:

- Designed within the rate of 30 pixel per 1 meter.
- Operating voltage is 5V.
- Led spacing is 3,33 cm.
- Divisibility option for every led.
- The profile, which can be utilised with this product, is deep housing profiles. LLI, LLW2, LLU profiles can be listed as examples for these profiles.
- Outdoor or indoor options available.
- Manufacturable in custom dimensions according to the project.

Fiberli *Contemporary illuminating technics...*

LED LIGHT CE
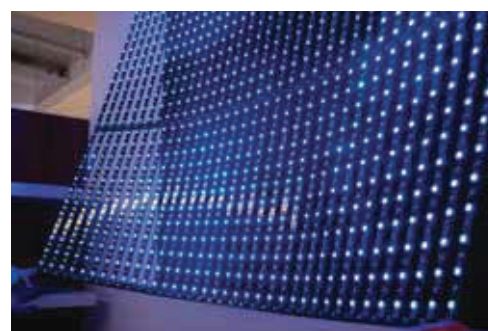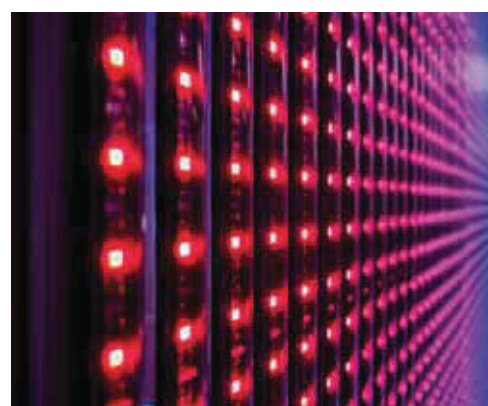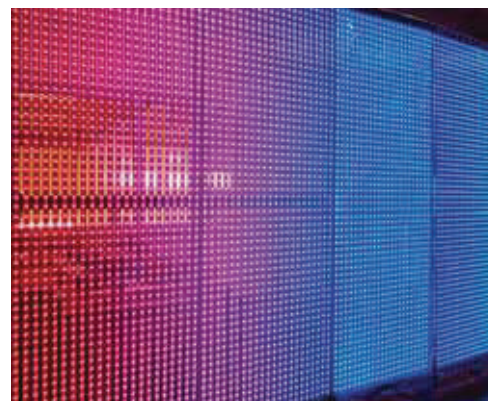
LEDCell Pixel

LEDCellPixel Tube:

These products can be utilised via mounting on FR4 PCB strips, with a width of 8 mm and length of 40cm for applications at resolution ranges of 30mm-70mm/pixel in order to establish a flexible structure at in- and outdoors. These strips, by being attached to each other, can be utilised with single-sided supply up to 4 meters. Video, graphic and animation panels can be 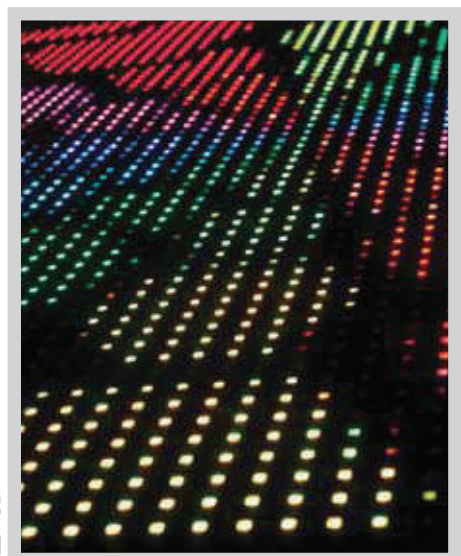formed, at desired dimensions, by placing this structure into transparent or diffused polycarbonate tubes, with an outer diameter of 10mm, and attaching strips, which can stretch up to 1-meter diameter. The silicon covers, utilised for the tube, accommodates the use of product for outdoor applications.

LEDCellPixel Chain:

It is consisted of pixels, formed with FR4 PCB with a length of 30mm and width of 16mm or 8mm at pixel spacing longer than 70mm. The resolution of these structures determines the length of the cable used between the pixels. The pixels with 16mm width of these structures are utilised with LLS, LLK and LLU profiles and with 8mm width, on the other hand, by being placed in transparent or diffused polycarbonate tubes, with an outer diameter of 10mm. Once again video, graphic and animation panels, at desired dimensions can be established by means of attaching these structures together.

SYSTEM SPECIFICATIONS

The LEDCell system is much more economical, in comparison with rapid, reasonable and equivalent systems. The product, which is created as a result of imposition of central processor within the LED product via the high integration technique, completely eliminates the overpriced, heavy and burdensome electronic congestion of previous generation RGB systems. This system offers an opportunity for design with its simple and elegant measurements. The array units, which are designed to be flexible in terms of the desired resolutions, can subside to resolutions, starting from 1cm pixel spacing, thus increasing the image quality.

The Smart LED, within PLCC casing equipped with high quality RGB LED chips, can ensure the precise processing of all data with the 1.2 MHz processor, available inside the LED, and the transmission of data, unlinked with the LED, to other LEDs. The LED lifetime is secured by driving of LEDs with accurate current intensity via the constant current driver technique. The need for extra components is eliminated by means of the integrated processor and inter-processor LDO. The LED array structure, in conformity with the IP67 Protection Class and also the IP67 outer housing provide double protection against the adversity of weather conditions while working outdoors. The user can easily prepare shows and control the system with the provided software. It can operate on its own, without the need for a computer, by means of uploading the prepared shows to a SD card and loading on the controlling device. This product is a flexible solution for utilisation for animation and show purposes.

LEDCellPixel

RESOLUTION

Highest resolution 8mm/pixel, lowest resolution 300mm/pixel.

DATA TRANSFER

- SD CARD
- Optional Video / VGA / LAN RJ45 / HDMI / WI-FI

LED

PLCC 5050 R,G,B high brightness LED chip + Integrated

ADDRESSING

- Automatic addressing and mapping function with internal CPU
- LED drive with inner constant current source
- 1.677.216 colour options
- 256 Grey level detection
- 32 step brightness control
- Signal verification automatic
- Inner 1.2 MHz processor speed
- 15 MHz maximum data speed detection and rendition
- Restructuring of data signal with phase reversal lock and possibility to transfer 1000 LEDs at 1 MHz
- Impact and difficult conditions resistant physical structure with its SMD structure
- Does not require extra electronic component due to its completely integrated structure. Easily enlarged and minimized system structure.

ARRAY STRUCTURE

Compatible to operate outdoors within IP44 as standard and IP65 protection class as optional, can operate at -20 +55 C temperature and %90 relative humidity.

CONTROL SYSTEM

PC based, minimum 1Ghz processor, 256 Mb Ram, 1GB hard disk, VGA video card, Ethernet port and smart card printer.

CONTROL DEVICE

Each control device has the capacity to drive 2422 LEDs and enables the driving of 196.000 LED units in cascade connection through Ethernet. The animations and shows can be transmitted to the control device with the aid of a computer or installed SD memory units, if desired.

UTILITIES AND SPECIFICATIONS

Animation design and control is ensured via FIBERLI LED BUILD and FIBERLI LED STUDIO software.

- User-friendly, easily comprehensible menus.
- Built-in array maps and easily constructible mapping interfaces.
- Integrated with the programme, easy to use, direct programming of effects
- Text adding, wrapping menus
- Opportunity for handmade ready grid stage entrance
- Feasibility to include stages and effects in between, to the beginning and end.
- Easy image reception in-between to LED from video signal
- VMV, FLV, Jpeg, M-Peg, PNG, PSD sampling
- Utilised control devices can easily be identified to the system
- Software compatible with quickly preparing and executing shows
- Software compatible with Windows operating system

Fiberli *Contemporary illuminating technics...*

LED LIGHT CE
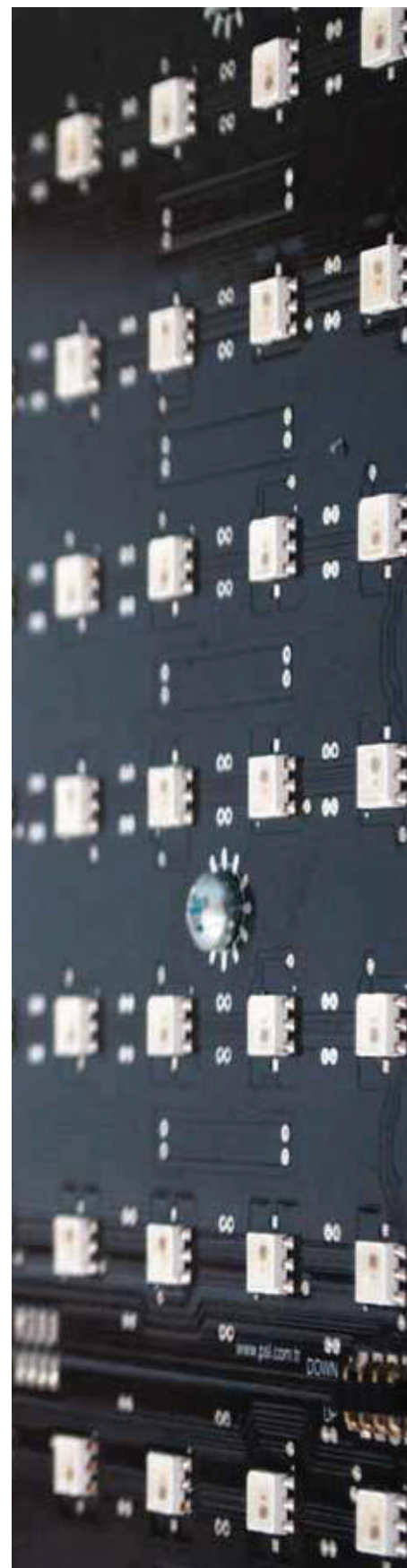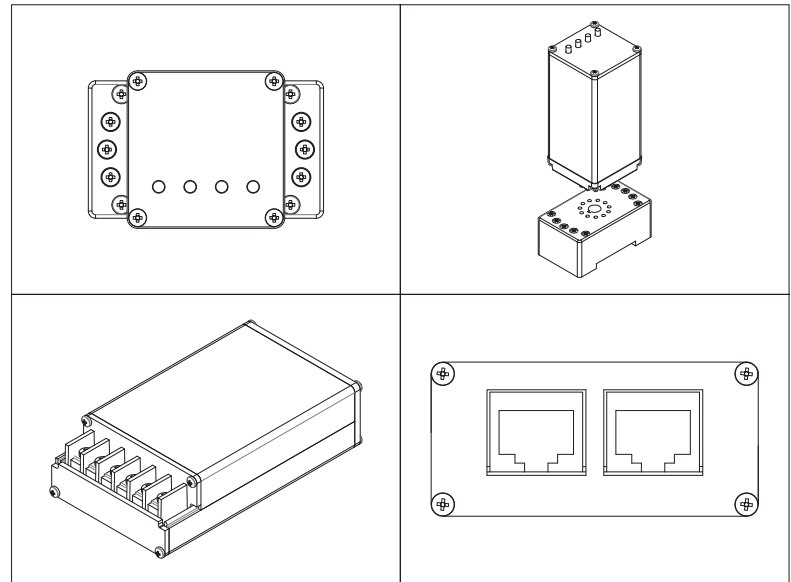
•Electronic Control Systems

DMX, PWM and modulators are utilized for the dimmability, colour interchangeability and switching of LED systems. All of the systems aforementioned are called control systems. These control systems must be determined in correspondence to each other and conceptualized according to the needs, at the project design phase.
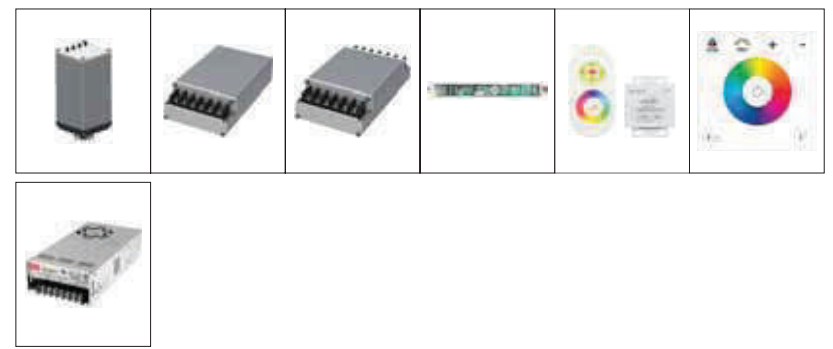
ELECTRONIC CONTROL SYSTEMS

R | R Type Devices

Aluminium body device which is affixed to 11 pinned socket compatible with mounting to internal panel ray.

M1 | M1 Type Devices

Desktop device with barrier terminal power, RJ45 data input-output and aluminium body.

M2 | M2 Type Devices

Desktop device with barrier terminal power, data input-output and aluminium body.

L | L Type Devices

Designed with a thin long structure with cable inlets and outlets in order to be used inside the luminaire and on line, thus featuring the same mounting options with LEDLine luminaires.

UK | UK Type Devices

Its Fibered Remote controls provides you with the opportunity for wireless control of lighting systems up to 30 Meters of distance. Depending on the remote control type, this type enables you to control the setting of the desired colour and light intensity, powering o and off and various lighting animations with the 2.4 GHz RF modulation by means of the touch-sensitive area and function keys on the handle.
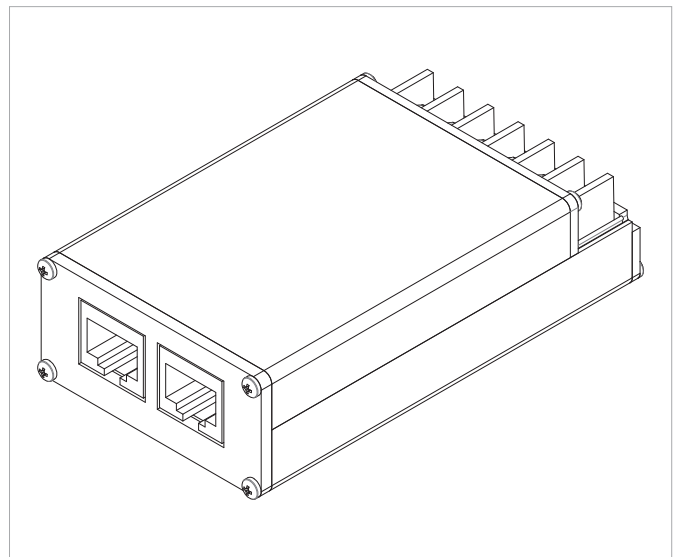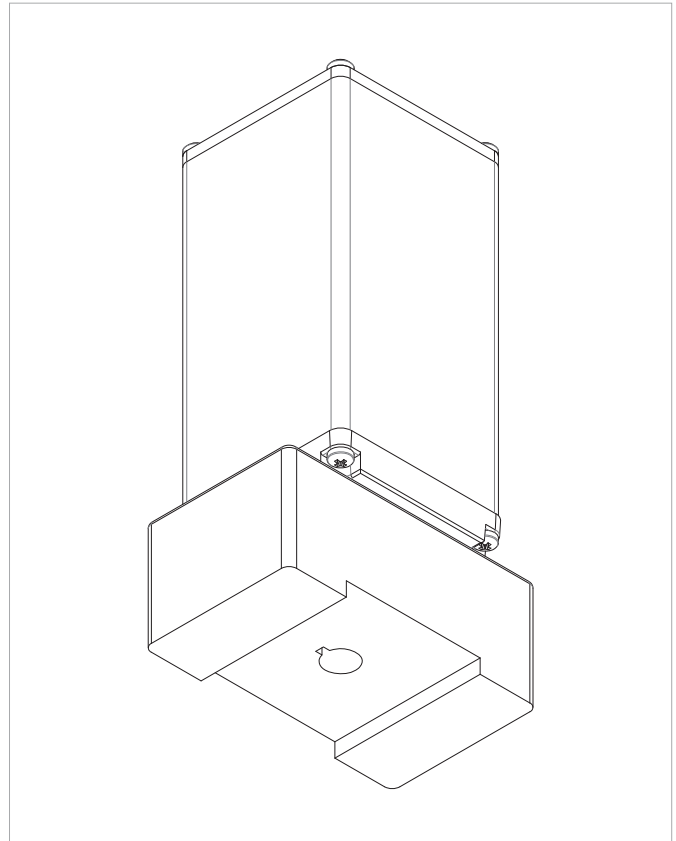
DE | DE Type Devices

Touchscreen, wall type mounting, modulator and dimmer.

Power Supplies

Power supply options in different models according to its intended use and areas

Electronic Systems   EL

Electronic control systems

DMX DECODER OPTIONS

DMX Decoder devices are designed on the basis of standard DMX512A protocol. There are 512 addresses within the DMX512A protocol. Value of 256 grades can be assigned to every address. DMX decoder devices can convert the value of the related address into a signal or voltage (PWM, ANALOG, DIGITAL) compatible with the LED luminaire, by deciphering the aforesaid value from the encrypted 512 address values. The DMX512A input signal necessary for these devices can be provided from DMX control devices or DMX control desk.

PRODUCT CODE	MODEL	DIMENSION	CASE TYPE	OUTPUT TYPE	CLEMENS	RJ45 SOCKET	PDMX	MANUEL ADRESS	AUTOMATIC ADRESS	DMX CHANNEL
33600239	R-PWM-11-DMX-ADR	43x43x89 mm	Rail type in board	PWM %0 ~ %100 256 level	Compatible with intra-panel type 11 pin ray type clemens			•	•	1~3
*	R-PWM -11-RJ45-DMX-ADR					•		•	•	
*	R-PWM -11-RJ45-PDMX-ADR					•	•	•	•	
33600232	R-DG-11-DMX-ADR	43x43x89 mm		DIGITAL ON / OFF 2 level				•	•	
*	R-DG -11-RJ45-DMX-ADR					•			•	
*	R-DG -11-RJ45-PDMX-ADR					•	•		•	
33600227	R-AN-11-DMX-ADR	43x43x89 mm		ANALOG 0 ~ 10V DC 256 level				•	•	
*	R-AN -11-RJ45-DMX-ADR					•			•	
*	R-AN -11-RJ45-PDMX-ADR					•	•		•	
*	M2-PWM -12-DMX	56x28x95 mm	Desktop type Barrier clemens	DIGITAL ON / OFF 2 level	12				•	3
*	M2-PWM -12-DMX-ADR							•	•	1~3 / 1~4
33600217	M2-PWM -12-PDMX	56x28x95 mm					•		•	3
*	M2-PWM -12-PDMX-ADR							•	•	1~3 / 1~4
*	M1-PWM -6-RJ45-DMX	56x28x95 mm			6	•			•	3
*	M1-PWM -6-RJ45-DMX-ADR					•		•	•	1~3 / 1~4
33600219	M1-PWM -6-RJ45-PDMX	56x28x95 mm				•	•		•	3
*	M1-PWM -6-RJ45-PDMX-ADR					•		•	•	1~3 / 1~4
*	M2- DG -12-DMX	56x28x95 mm			12				•	3
*	M2- DG -12-DMX-ADR							•	•	1~3 / 1~4
*	M2- DG -12-PDMX	56x28x95 mm					•		•	3
*	M2- DG -12-PDMX-ADR							•	•	1~3 / 1~4
*	M1- DG -6-RJ45-DMX	56x28x95 mm			6	•			•	3
*	M1- DG -6-RJ45-DMX-ADR					•		•	•	1~3 / 1~4
*	M1- DG -6-RJ45-PDMX	56x28x95 mm				•	•		•	3
*	M1- DG -6-RJ45-PDMX-ADR					•		•	•	1~3 / 1~4
*	M2- AN -12-DMX			ANALOG 0 ~ 10V DC 256 level	12				•	3
*	M2- AN -12-DMX-ADR							•	•	1~3 / 1~4
*	M2- AN -12-PDMX						•		•	3
*	M2- AN -12-PDMX-ADR							•	•	1~3 / 1~4
*	M1- AN -6-RJ45-DMX				6	•			•	3
*	M1- AN -6-RJ45-DMX-ADR					•		•	•	1~3 / 1~4
*	M1- AN -6-RJ45-PDMX					•	•		•	3
*	M1- AN -6-RJ45-PDMX-ADR					•		•	•	1~3 / 1~4
*	L-PWM-10-DMX	130x20x12 mm	Line type, compatible with LL holder		with 10 cables					1 / 2 / 3
*	L-PWM-10-DMX-ADR	130x20x12 mm							•	1~3

Electronic Systems

DIMMER OPTIONS

Mono-colour DIMMER devices are utilised to control the luminous intensity of mono-colour luminaires. Commands can be issued to these devices through the built-in keypad, remote control or analogue control input. There is 1 channel output on these devices and PWM output signal at different rates (%0 - %100) can be produced, depending on the command issued.

PRODUCT CODE	MODEL	DIMENSION	CASE TYPE	OUTPUT TYPE	CLEMENS	BUTTON	1-10 V DC ANALOG INPUT	REMOTE CONTROL	OUTLET CHANNEL
33600136	DIMMER 1-10 V	45x45x90 mm	In board type	PWM %0 ~ %100 256 level	Compatible with 11 pin ray type clemens	3	•		1
*	R-PWM-11-AN						•		
*	R-PWM-11- RF	70x65x25 mm						•	
*	R-AN-11-AN			Analog 0 ~ 10V DC			•		
*	R-AN-11- RF							•	
33600190	DIMMER SQ RF (touch screen)	130x20x12 mm	Desktop type Barrier clemens	PWM %0 ~ %100	6 pin			•	
*	M2- PWM -12-AN			PWM %0 ~ %100 256 level	12		•		
*	M2- PWM -6-RF				6			•	
*	M2- AN -12-AN			Analog 0 ~ 10V DC	12		•		
*	M2- AN -6-RF				6			•	
*	L-PWM-6-AN	130x20x12 mm	Line type, compatible with LL holder	PWM %0 ~ %100 256 level	with 6 cable		•		
*	L-PWM-4-RF				with 4 cable			•	
*	L-AN-6-AN	130x20x12 mm		Analog 0 ~ 10V DC	with 6 cable		•		
*	L-AN-4-RF				with 4 cable			•	

COLOUR TEMPERATURE ALTERATION DEVICE

The Colour Temperature Alteration devices are utilised to control the luminous intensity of luminaires with warm white-cold white LED structures and to set the colour temperature. Commands can be issued to these devices through the built-in keypad or touch-screen. There are 2 channel outputs on these devices and PWM output signal at different rates (%0 - %100) can be produced, depending on the command issued.

PRODUCT CODE	MODEL	DIMENSION	CASE TYPE	OUTPUT TYPE	CLEMENS	BUTTON	1-10 V DC ANALOG INPUT	REMOTE CONTROL	OUTLET CHANNEL
33600191	FIBERLI DIMMER & COLOR TEMPATURE CONTROL DEVICE 2,4Ghz	130x20x12 mm		PWM %0 ~ %100 256 level	5 pin	5			2

DMX SMART BUFFER

The DMX SMART BUFFER device is utilised to resurge the DMX data link. As standard, 1 DMX data link is transmitted via 2 twisted cable, thus the data link can be transmitted for 100 meters. For further distances, the data link can be extended for another 100 meters through the utilisation of DMX SMART BUFFER. The DMX SMART BUFFER device both boosts the signal and restructures the waveform by replicating the DMX signal.

PRODUCT CODE	MODEL	DIMENSION	CASE TYPE
33600189	R-DMX SMART BUFFER	45x45x90 mm	Compatible with 11 pin ray type clemens
*	M1-DMX SMART BUFFER		Desktop type Barrier clemens
*	L-DMX SMART BUFFER	130x20x12 mm	Line type, compatible with LL holder

Electronic Systems   EL

Electronic control systems

PWM SWITCH

PWM SWITCH device is used in order to resurge the PWM RGB (3 channels) power line. PWM SWITCH is utilised when we wish to multiplex the outlets of the MODULATOR or DMX DECODER and correspondingly to run multiple luminaires within the same animation. Moreover, the luminaires of different models and with different operating voltages, can be synchronised and run within the same animation by means of PWM SWITCH.

PRODUCT CODE	MODEL	DIMENSION	CASE TYPE	CHANNEL
33600240	R-PWM SWITCH	45x45x90 mm	Compatible with intra-panel type 11 pin ray type clemens	3
*	M2-PWM SWITCH		Desktop type Barrier clemens	4

MODULATOR SPECIFICATIONS

The modulator devices are utilised in order to create the desired animations with RGB luminaires. These devices can be commanded by means of on-board key pad or remote control. Commands, such as animation type, animation speed, play or stop, can be issued. There are 3 channel outlets on these devices. PWM signals, at different values and speeds from every outlet, are generated depending on the selected animation.

PRODUCT CODE	MODEL	DIMENSION	CASE TYPE	OUTPUT TYPE	CLEMENS	REMOTE CONTROL	OUTLET CHANNEL
33600171	R-PWM-11	43x43x89 mm	In board type	PWM %0 ~ %100 256 level	Compatible with 11 pin ray type clemens		
*	R-PWM-11-RF					•	
33600178	SQ RC RGB (touch screen)	70x65x25 mm		PWM %0 ~ %100	6 pin	•	3 RGB
*	M2- PWM -6		Desktop type Barrier clemens	PWM %0 ~ %100 256 level			
*	M2- PWM -6-RF					•	
*	L-PWM-6	130x20x12 mm	Line type, compatible with LL holder		with 6 cable		
*	L-PWM-6-RF					•	

Electronic Systems   EL
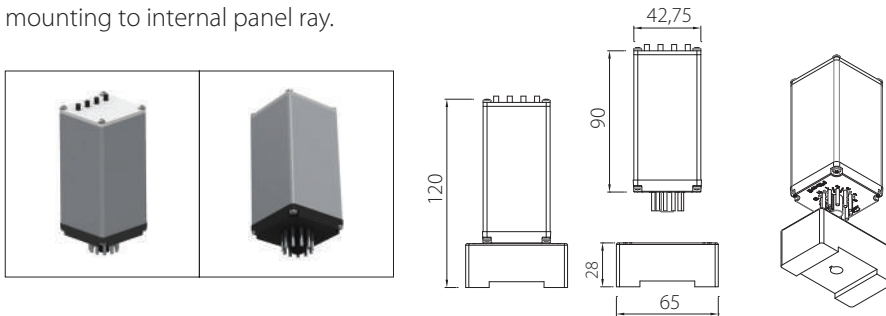
Electronic control systems

MECHANICS SPECIFICATIONS

The electronic control systems are placed within compatible boxes depending on their manner, place of use and functions. These systems are manufactured with an aluminium body for the purpose of controlling the electromagnetic scattering, cooling of heated devices and compliance with fire regulations.
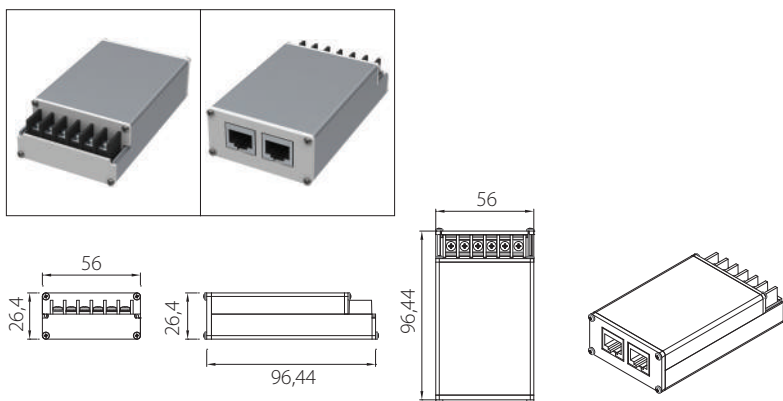
BOX TYPE

R TYPE:

Aluminium body device which is affixed to 11 pinned socket compatible with mounting to internal panel ray.

42,75

90

120

28

65

M1 TYPE:

Desktop device with barrier terminal power, RJ45 data input-output and aluminium body.

56

56

26,4

26,4

96,44

96,44

M2 TYPE:

Desktop device with barrier terminal power, data input-output and aluminium body.
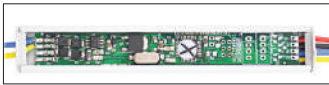

56

56

86
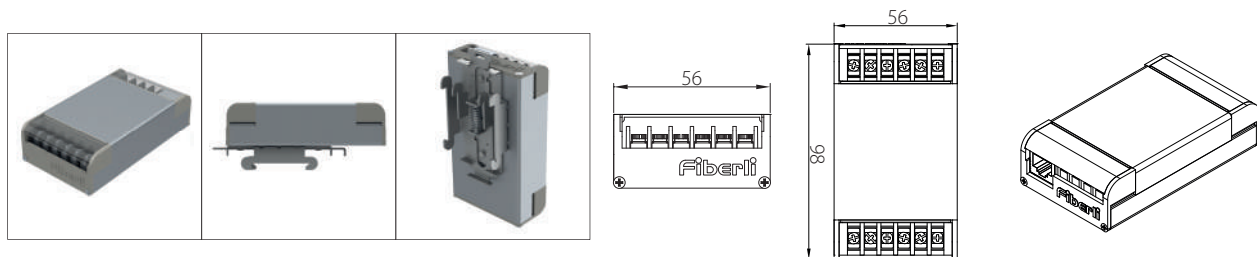
Electronic Systems

Electronic control systems

L TYPE:

Designed with a thin long structure with cable inlets and outlets in order to be used inside the luminaire and on line, thus featuring the same mounting options with LEDLine luminaires.

UK TYPE:

Its Fibered Remote controls provides you with the opportunity for wireless control of lighting systems up to 30 Meters of distance. Depending on the remote control type, this type enables you to control the setting of the desired colour and light intensity, powering o and off and various lighting animations with the 2.4 GHz RF modulation by means of the touch-sensitive area and function keys on the handle. It offers the controlling of many receiver control units or the flexibility to classify the remote controls with a single remote control. The 2.4 GHz receiver units are compatible with Fibered Wi-Fi Bridge control and enable control also with Smart Phones via the network established with the matching with the Bridge.
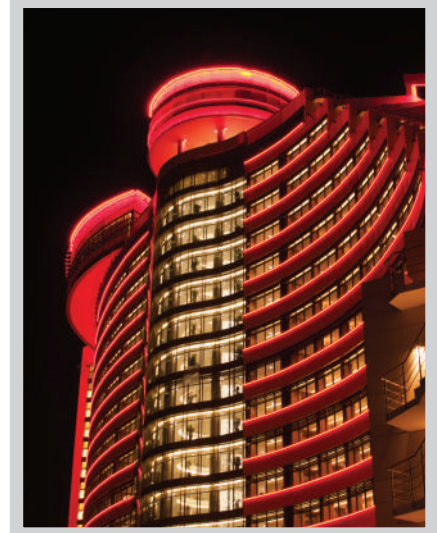

DE TYPE:

Touchscreen, wall type mounting, modulator and dimmer.

41000106   WI-FI BRIDGE (FOR TOUCHSCREEN CONTROLS):

It is the bridge system, which also enables the control of fibered remote control products via Wi-Fi. It also offers the opportunity to control the lighting systems with smart telephones and tablets via the internet by means of IOS-Android applications.

Electronic Systems

POWER SUPPLY OPTIONS

The power supplies, utilised for the products, feature the specifications provided below, depending on the type of product, place of use and power consumption.

Constant-Current Power Supply

PRODUCT CODE	POWER	VOLTAGE	CONSTANT CURRENT	IP
PSA335	3W	10V-10,5V	350mA	IP65
PSA670	6W		700mA	

Constant-Voltage Power Supply

PRODUCT CODE	POWER	CONSTANT VOLTAGE	CURRENT	INPUT VOLTAGE
PSV1524	15W		0,7A	85V~265V
PSV2524	25W		1,1A	
PSV5024	50W		2,2A	
PSV10024	100W	24V	4,5A	
PSV15024	150W		6,5A	180V~265V
PSV20024	200W		8,8A	
PSV35024	350W		14,6A	

In Board rail type 3 Phases Constant voltage power supply

PRODUCT CODE	POWER	CONSTANT VOLTAGE	CURRENT	INPUT VOLTAGE
PSV480-24	480W	24V	20A	3 Phases Rail type
PSV960-24	960W		40A	

PFC (cos0 value fixed) Constant voltage power supply

PRODUCT CODE	POWER	CONSTANT VOLTAGE	CURRENT	INPUT VOLTAGE
PSV20024-PFC	200W	24V	8,4A	PFC
PSV32024-PFC	312W		12A	

Constant voltage power supply IP67

PRODUCT CODE	POWER	CONSTANT VOLTAGE	CURRENT	IP
PSV3512-IP67	36W	12V	3A	IP67
PSV6012-IP67	60W		5A	

fiberli
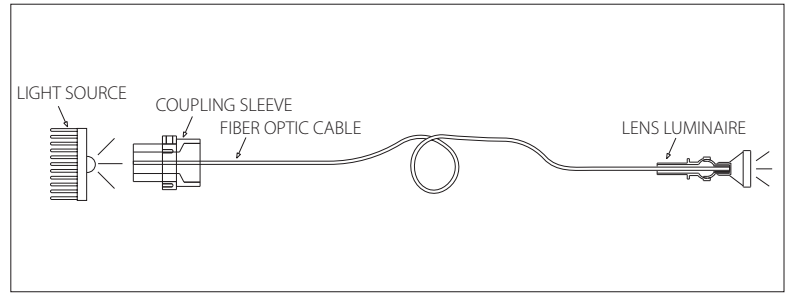
•FiberOptic

Fiber optic lighting is the transmission of light, generated by a light generator, to the desired area through the medium of fiber optic cables. The source of light undertakes the task of light generation and the fiber optic cable, the task of light transmitter. The only limit in designing with the fiber optic lighting systems is your imagination. You can apply almost everything that you imagine. The most fundamental characteristics of fiber optic lighting technology, which creates its difference to other lighting technologies, are FREEDOM and FLEXIBILITY. You have the freedom to place the light source, used for the fiber optic lighting systems, at any desired location. This notion of freedom comes with plenty of advantages.

Fiber optic lighting system is comprised of 2 main parts:
- Light source
- Fiber Optic cable harness
(*) *LENS Luminaires can also be used if demanded accordingly to the above.*

The Fiber Optic cables are harnessed after being cut in compliance with the prepared project, architectural design or requirement. These harnesses are placed to the light source (point of origin of light) with terminal sleeves. Thus, the light, generated by the light source, is transmitted through the fiber optic harness to the luminaire or directly bare fiber optic end. A single Fiber optic cable harness is comprised of fiber optic cables, with the same or different diameters or lengths, which are completely determined according to your needs. Fiber optic lighting system delivers a lighting marvel, which we can dare say to be extraordinary and which will stretch the imagination in architectural designs, by virtue of the separation of luminaire and light source via fiber optic cables. The luminaires to be used include a wide range of variety, depending upon the architecture of the venues (such as crystal end, terminal end, lens luminaires).
Intended Use of Lens Luminaire
- Gaining an aesthetic appearance
- Gaining a more intensive light
- In situations where spot lighting is demanded
- In situations where flood lighting is demanded
Additionally, these luminaires also take precedence over the conventional lighting components due to their smaller dimensions and offering the capability to be equipped with optic lenses. The outlet angle of the light can be lowered to 1° from 120° with luminaires selected for proper use, in order to increase the light intensity. Thus, the desired effect can, clearly, be achieved.

IK7	IK77	IK16	IKL150	FOK	LENS

FiberOptic Product

LIGHT SOURCES

IK7 — Light Source 7

Low-powered LED light source

IK77 — Light Source 77

High-powered LED light source
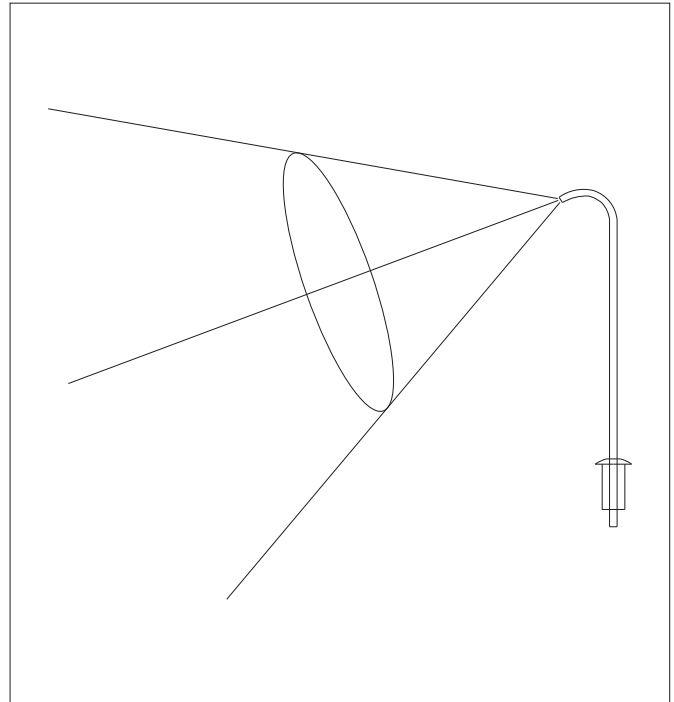
IK16 — Light Source 16

Halogen light source

IKL150 — Light Source L150

General purpose Fiber Optic light source
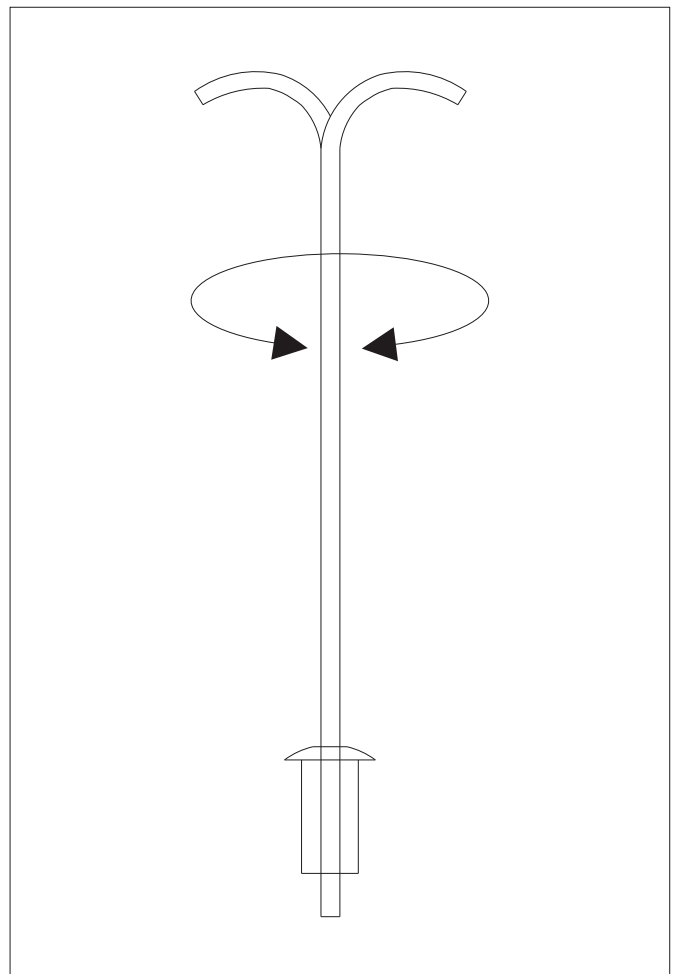
FIBER OPTIC CABLES

FOK — FiberOptic Cable

Various fibre optic cable options for fibre optic lighting

FIBER OPTIC LENSES

Lens — FiberOptic Lenses

These are utilised to cloak, disambiguate the outlet of light, to offer an aesthetical appearance or to direct the light.

IK7

IK77
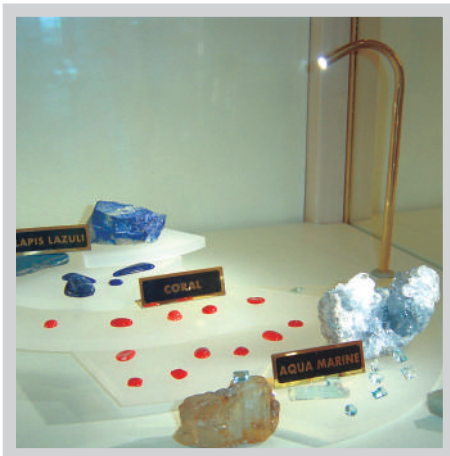
Light Source 7 & 77 — IK7 - IK77

LED Light Source

APPLICATION AREA

As the LED light source is produced with Light LEDs for fiber optic application, these products offer low consumption (1W – 5W), low investment costs, quite long bulb lifespan, 0dB noisy (noiseless), low voltage (5-12V) products. The lighting levels of this source are somewhat lower than other light sources. These products are generally used in dark environments such as bedrooms of houses, hotel rooms, kid's rooms, star surface effect, etc. These are manufactured as colour changing and colour constant. They are also manufactured in conformity with IP44 Protection class standard. LED light sources operates problem-free without the need for maintenance for an extended period of time in every environment under 70°C including in- and outdoor venues, underwater and underground environments.

LUMINAIRE SPECIFICATIONS

- Aluminium injection body
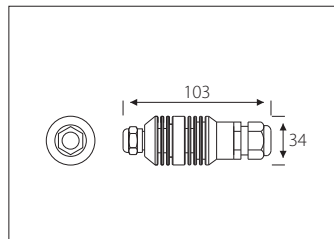
IK7 (Ø76x170mm)
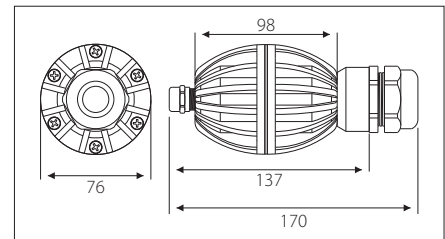
IK77

CONTROL SYSTEM

The product can directly be DMS-derived by means of the DMS recorder placed within the product. The product can be dimmed or the colour changing program, inserted to the product, can be ran or other driving options can also be applied or the product can passively be controlled.

Light Source 7 & 77

Light Source 16 — IK16

Halogen Light Source

APPLICATION AREA

The halogen light source is manufactured at 50W, 75W and 100W with Lighting Halogen bulbs. They have a bulb lifespan of 3000 - 4000 hours. The light sources generate noise at the level of 30dB at utmost, due to their cooling process with a Fan. They operate with 220 V AC mains voltage. The light sources feature colour changeability and/or moiré lighting specifications. The halogen light sources generate a fair amount of infrared rays due to the bulbs and these rays lead to heat generation. In order to eliminate the detrimental effects of this heat, dichroic IR (heat) filters are placed in front of the bulb.

ELECTROMECHANICAL SPECIFICATIONS

- Aluminium body

PRODUCT OPTIONS

Product Code	Lamp Type	POWER CONSUMPTION	Lifetime	Voltage	Noise Factor	Colour Engine	Controller	Colour Disc
IK16	Halogen	50W 75W 100W	3.000 s 1.000 s 50 s	220V AC	< 54db	Stepper no synchronous	DMX synchronous	Dichroich metal moire stained-glass

MOUNTING OPTIONS

Luminaire dimension 282mm x 136mm x 107mm

107mm · 136mm · 282mm · 260mm
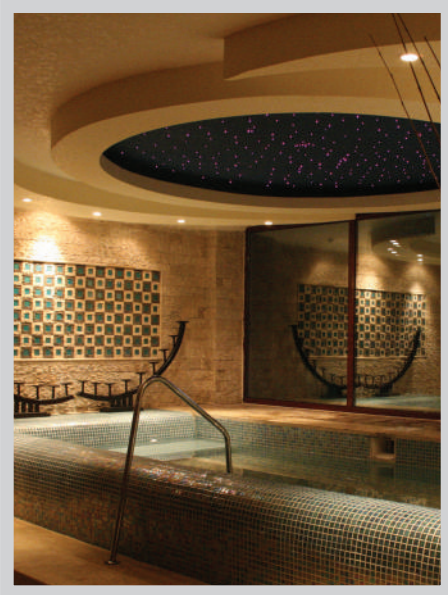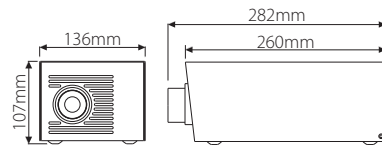
Light Source L150   IKL150

*General purpose Fiber Optic light source*
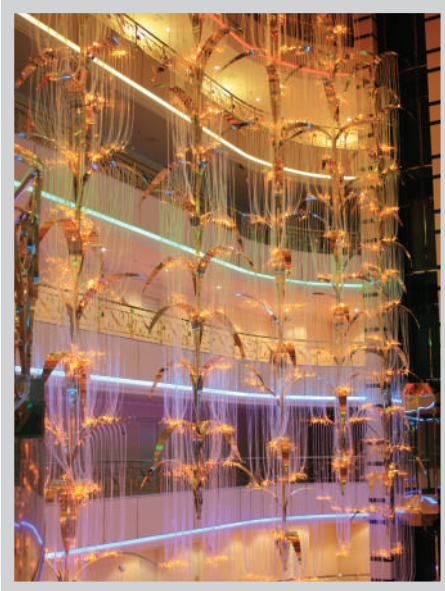
APPLICATION AREA

Light can be produced at 50W power in 4 different alternatives. Features protection against overheating. Operates with 220 V AC mains voltage. Features colour changing at light sources and / or moire lighting. Apart from fibre optic applications for decorative purposes, UV and infrared, as they do not generate harmful lights, can conveniently be utilised for the illumination of invaluable museum properties, paintings and for medical illumination.

ELECTROMECHANICAL SPECIFICATIONS

- DKP sheet body

PRODUCT OPTIONS

| Product Code	Properties	Control System	Lifetime	LED Type	LED Quantity	Light Colour	POWER CONSUMPTION	Working Voltage
IKL 150D	light intensity can be dimmable	Analog 1-10V DC	50.000 hours	Multi-Chip	1	CW, NW WW	min. 18W max. 55W	220V AC
IKL 150H	Wavy effect	-	50.000 hours	Multi-Chip	1	CW, NW WW	55W	220V AC
IKL 150 RGB	All colour tones can be attained with RGB	3 channel PWM	50.000 hours	P5 - II	14	RGB	55W	220V AC
IKL 150 DMX	All colour tones can be attained with RGB	3 channel DMX 512A	50.000 hours	P5 - II	14	RGB	55W	220V AC
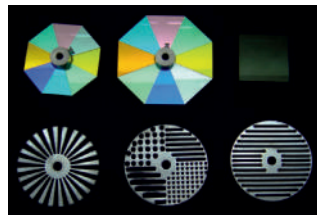
Colour Disk:
Colour changing or light control is performed with colours discs connected to the asynchronous engine.

Colour Engine:
Colour changing is performed synchronous cards or DMX system.

MOUNTING OPTIONS

235

193

146

225

Analog 1-10V DC Input

220V

0V
1-10V out

PLC

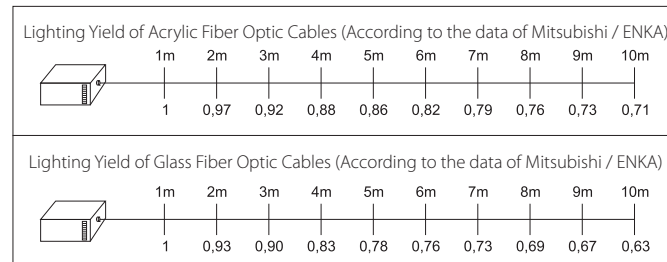POT (10KΩ) Input

220V

PLC10KΩ
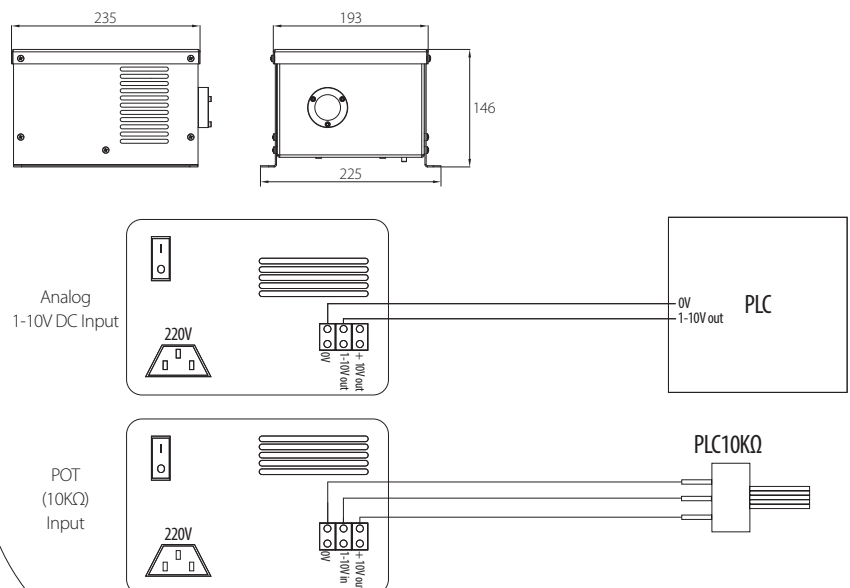
FIBER OPTIC CABLES   FOK

Fiber optic cable options

FIBER OPTIC CABLES

These are the system's basic components and enable the transportation of the light, generated at the light source, to the area of usage. The fiber optic cables are lifetime guaranteed, except the circumstances of application of force and fading or degradation would not occur in the light transported by such cables. Fiber optic cables can be applied anywhere between the temperatures of +110°C and -40°C and are resistant against adverse conditions such as underground, underwater, inner concrete and humid areas. Due to being light transporters, these cables do not cause any risk of electricity. All of the fiber optic cables, utilised for our products, are fiber optic cables manufactured by the Mitsubishi Company. Mitsubishi, which has been manufacturing fiber optic cables since 1975, is one of the best companies throughout the world in this regard. Mitsubishi, aside from our company, exports these cables to many highly qualified companies, located in the States and Europe. Fiber optic cables are manufactured as bared in two main forms which are glass and acrylic. The cutting and shaping, forming harnesses, encasement and finishing of fiber optic cables, depending on needs, which we import in reels, unprocessed, are performed by our company.

ACRYLIC FIBER OPTIC CABLES

PolyMethyl Methacrylate (PMMA) is utilised as a basic substance for the structures of these cables. These are manufactured in diameters between 0.25 mm and 3 mm. The cables can provide long term runtime between the degrees of -40 and +70 °C and short term runtime up to +110°C. These can enable the transportation of the generated light, when affixed to the light outlets of light sources. As these cables can radiate from ends, they can also be ensured to give off light from the side after being harnessed or braided or to transport more quantity of light by being harnessed and encased. The cutting of parts of the cables, which are affixed to the light sources, require quite a specific technology, thus making the on-site manufacturing of fiber optic systems rather difficult. Due to the aforesaid fact, we forge package systems, by merging the ends of fibre optic cables, in a given number and dimensions or prepare cables at the required dimensions and quantities.

Lighting Yield of Acrylic Fiber Optic Cables (According to the data of Mitsubishi / ENKA)

	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
1	0,97	0,92	0,88	0,86	0,82	0,79	0,76	0,73	0,71

Lighting Yield of Glass Fiber Optic Cables (According to the data of Mitsubishi / ENKA)

	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
1	0,93	0,90	0,83	0,78	0,76	0,73	0,69	0,67	0,63

NON-SHEATHED CABLES

Section	Product Code	Diameter	Section area	mkr/m
	Fiberli FOK 10	0,25mm	0,049mm²	12.000
	Fiberli FOK 20	0,50mm	0,196mm²	6.000
	Fiberli FOK 30	0,75mm	0,441mm²	2.700
	Fiberli FOK 40	1,00mm	0,785mm²	1.500
	Fiberli FOK 60	1,50mm	1,766mm²	700
	Fiberli FOK 80	2,00mm	3,140mm²	250
	Fiberli FOK 100	2,50mm	4,906mm²	250
	Fiberli FOK 120	3,00mm	7,065mm²	150

FiberOptic Cables

END RADIANT SHEATED CABLES

Product Code	Diameter	Section area	Instruction	mkr/m
Fiberli FOK BJ 30	0,75	0,441	Black Jacketed PMMA	500
Fiberli FOK BJ 40	1,00	0,785	Black Jacketed PMMA	500
Fiberli FOK BJ 30.7	3,25	3,080	Black Jacketed PMMA	100
Fiberli FOK BJ 30.19	4,75	8,380	Black Jacketed PMMA	100
Fiberli FOK BJ 30.31	5,60	13,68	Black Jacketed PMMA	100
Fiberli FOK BJ 30.55	7,12	24,25	Black Jacketed PMMA	100
Fiberli FOK BJ 20.63	3,25	3,080	Black Jacketed PMMA	100

Fiberli FOK BJ 30

Fiberli FOK BJ 40

Fiberli FOK BJ 30.7 | Fiberli FOK BJ 30.19 | Fiberli FOK BJ 30.31 | Fiberli FOK BJ 30.55 | Fiberli FOK BJ 20.63
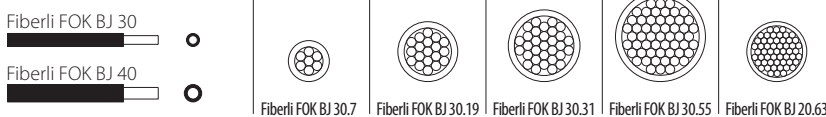
SIDE RADIANT SHEATED CABLES   MULTICORE

Product Code	Diameter	Quantity	Instruction
Fiberli FOK SG 21	75	21	Transparent Jacketed Mitsubishi PMMA
Fiberli FOK SG 42	75	42	Transparent Jacketed Mitsubishi PMMA
Fiberli FOK SG 84	75	84	Transparent Jacketed Mitsubishi PMMA
Fiberli FOK SG 126	75	126	Transparent Jacketed Mitsubishi PMMA

Fiberli FOK SG 21 | Fiberli FOK SG 42 | Fiberli FOK SG 84 | Fiberli FOK SG 126
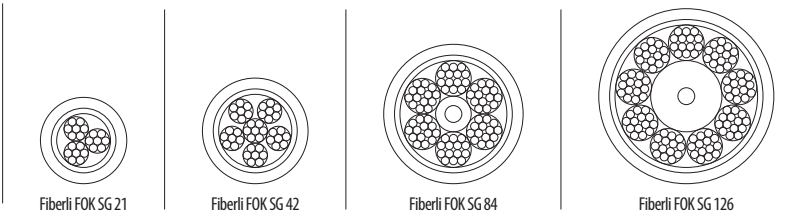
SIDE RADIANT SHEATED CABLES   SOLIDCORE

Product Code	Diameter	Quantity	Instruction
Fiberli FOK SC 6	6	-	Transparent Jacketed PMMA
Fiberli FOK SC 11	11	-	Transparent Jacketed PMMA
Fiberli FOK SC 14	14	-	Transparent Jacketed PMMA

Fiberli FOK SC 6 | Fiberli FOK SC 11 | Fiberli FOK SC 14
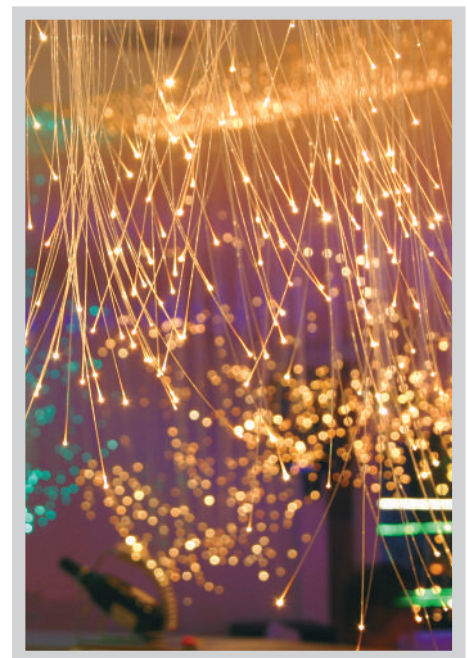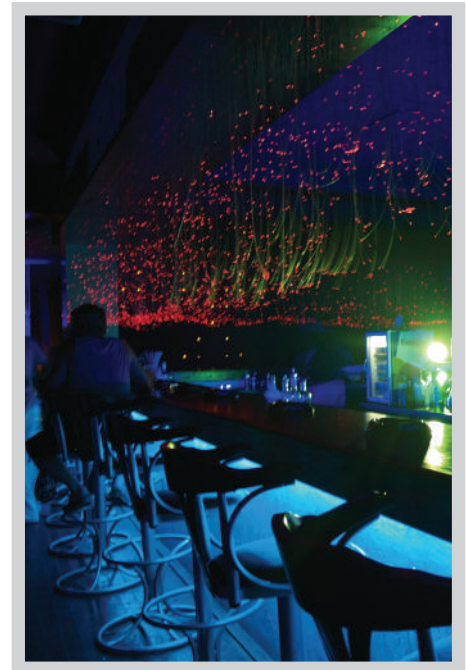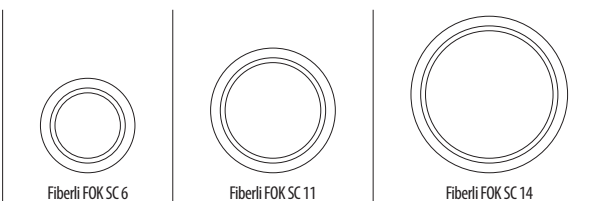
Lenses

Lens options for fibre optic cable outlets

APPLICATION AREA

The outlet angle of the light transported with fibre optic cables from the end-point is approximately 60°. This angle is, in general terms, sufficient for many areas of use. However, in the case of need towards a wider or a more acute angle, the requested angles can be provided with lenses. Lenses can also be utilised to hide, relieve, aestheticize the outlet of the light or to direct the light.
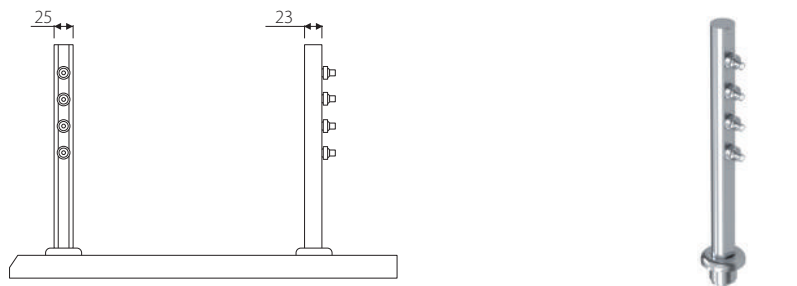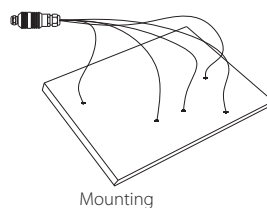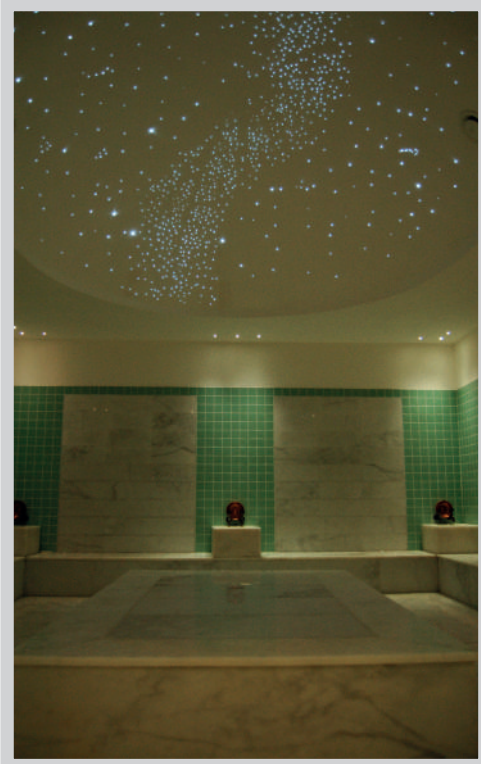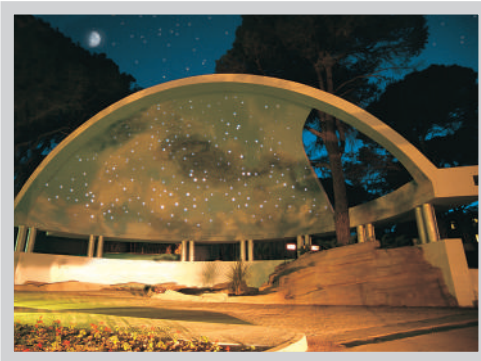
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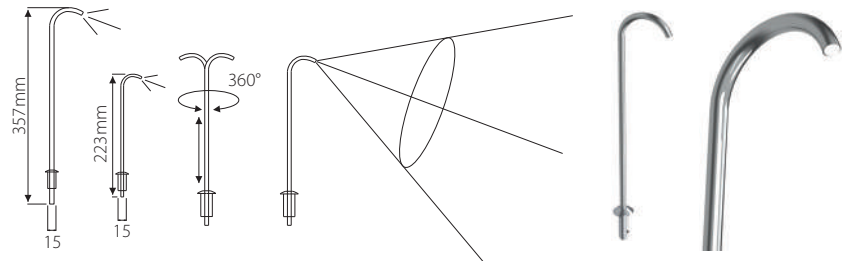
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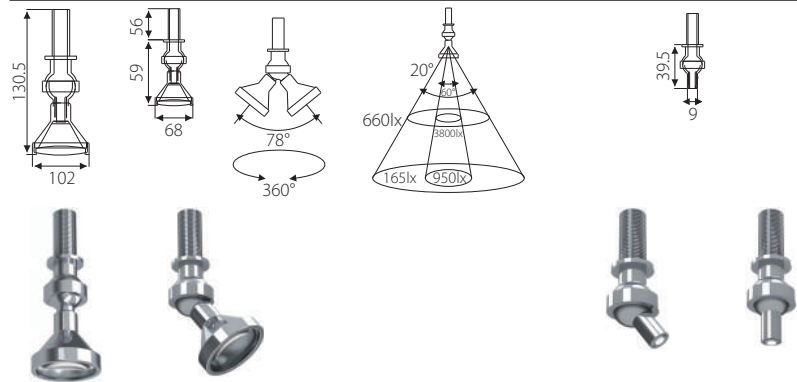
DK TYPE LENS

PACKAGE PRODUCTS (IK7 SET ATTACHMENT)

The fibre optic cable harnesses, which are prepared in various diameters and dimensions, offer ease of application in small-scaled applications. You can also perform many applications on your own with the package product, which we produced for this purpose.
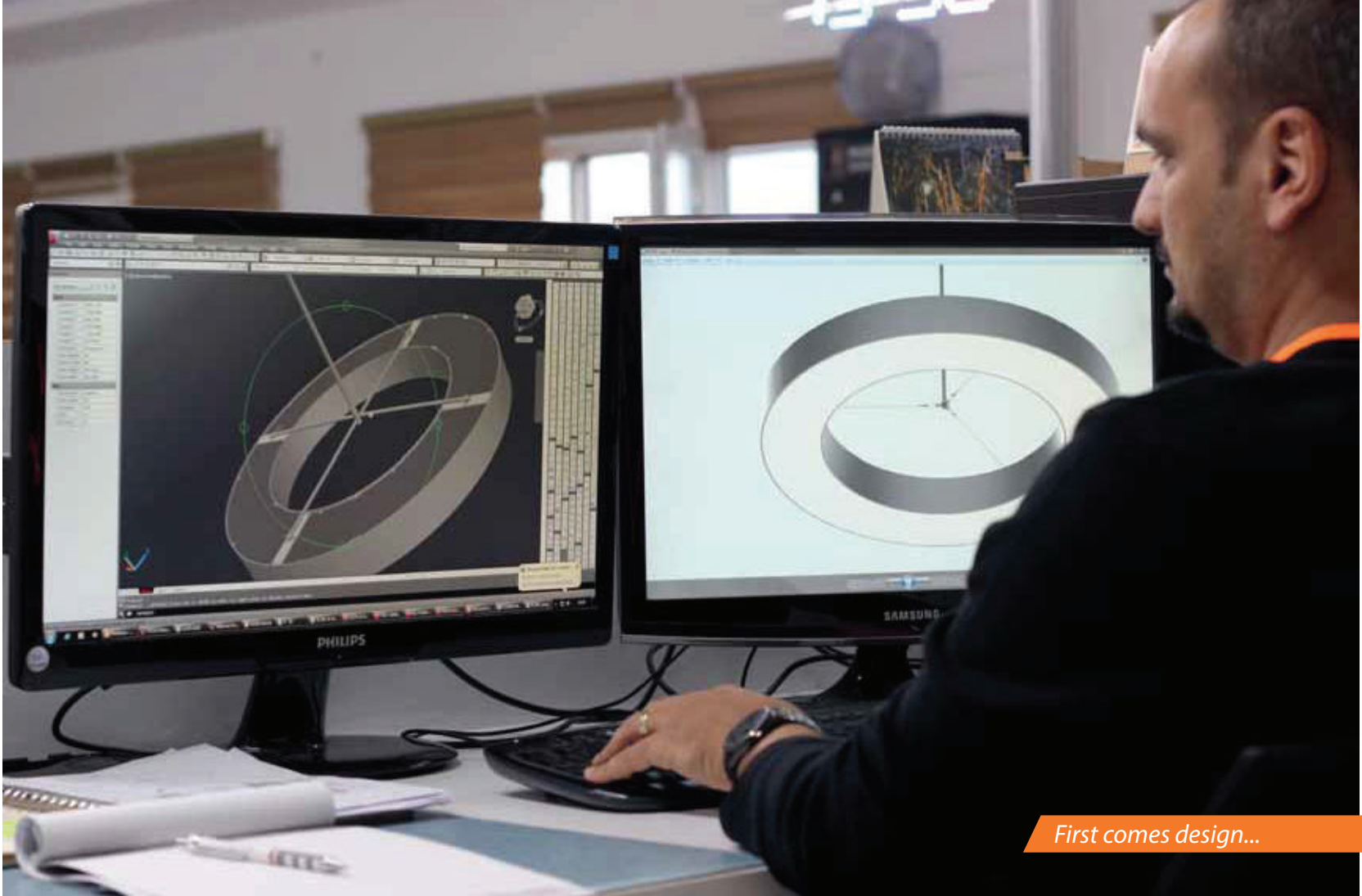

Mounting

Focused on newest technologies...

First comes design...

Quality is under our control...

Fast production...

High capacity production...

Heavy works are light for us...

Mastery at work...

Intime delivery...

Difficult works are funny for us...

Fiberli team...

Contemporary production side...

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