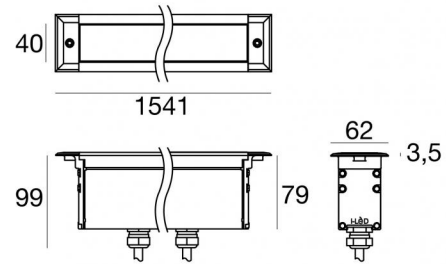




Lines | 110-240 V AC /176-280 V DC
27 x powerLEDs 59 W DC - 65 W AC | CRI 80
81590M60



Technical data	
Type	Frame
Installation position	Wall lights - Floor
Installation environment	Outdoor
Light Source	LED
Circuit structure	powerLEDs
Optics	Extra Wide Flood
Light emission direction	upward
Nominal power	59 W DC
Total Power	65 W
Source lumens	7182 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	110 - 240 V AC
Frequency	50 - 60 Hz
CCT / Tone	2700 K
Colour rendering index	80 Ra
C.C. / C.V.	AC
Safety class	1
IP	IP67
IK	IK10
Glow wire test	850°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Driver included	Driver
Dimmable article	No
Directional	No
Tilting	No
Walk-over	Yes
Drive-over	No
Cable included	Yes
Cable length	0.2 m
Resin potting	No
Type of light emission	Single emission
Net weight	7 Kg
Electrostatic discharge protection	4 KV
Surge protection	5 KV
Product technological characteristics	Acquastop - TVS

Finishing casing

Material	Aluminium 6060
Colour	Anodised Aluminum
Processing	20 µm anodizing

Finishing diffuser

Material	Extra clear glass - Tempered
Colour	transparent
Processing	Silk-screening

Cables Electrification

Cable connector	Female Socket 3 Pin
IP (locked condition)	68
Cable connector	Male Plug 3 pin

The driver contained in the device complies with IEC 61347-2-13 annex J, and can therefore be powered by centralized power systems.



Lines | 110-240 V AC /176-280 V DC | 27 x powerLEDs 59 W DC - 65 W AC | CRI 80 | Base
81590M60

Single emission lines for outdoor application. The super warm white LED light source with a extra wide flood light distribution is composed of 27 powered LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 7182 lm, with a 121.7 lm/W nominal luminous efficacy.

The device body is made of aluminium 6060 and features a anodised aluminum finish, processed by means of 20 µm anodizing; the diffuser is made of extra clear glass - tempered with a silk-screening treatment. The ingress protection degree is IP67; the total weight is of 7 kg.

The total absorbed power is 65 W. The power supply cable is included and features a 0.2 m length.

The device features protection class I and can be wall lights or floor-mounted with an outer casing, code 99760(for concrete or masonry).

Compliant with the EN 60598-1 standard and its specific provisions.

Energy efficiency class

This product contains 6 light sources of energy efficiency class D.

Illuminotechnical Features

Light Output Ratio (LOR)	62 %
Source lumens	7182 lm
Delivered lumens	4490 lm
Consumption	65 W
Luminaire efficacy	69 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	1.5 Step
Colour rendering index	80 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

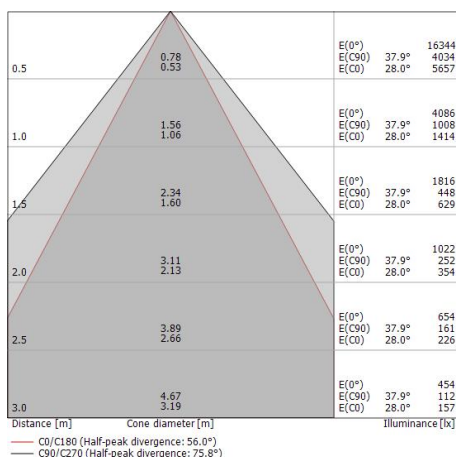
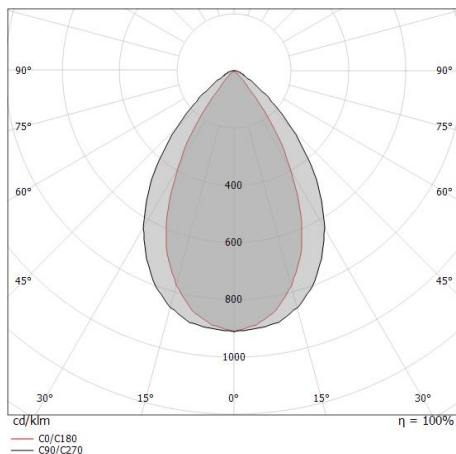
L70 B10 C0 361980h (at Tj 60 Ta 25)

UGR

UGR axial	21.1
UGR transversal	14.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C90/C270 optics	76°
C0/C180 optics	56°
Light distribution simmetry	Symmetrical 2 assis





	<p>Cable and connector Length 2000 mm; insulation double; section 1.5 mm²; cable gland: no; external diameter: 9.5 mm; colors: blue - brown - yellow-green.</p>	<p>Code <u>99057</u></p>	
	<p>Cable and connector Length 5000 mm; insulation double; section 1.5 mm²; cable gland: no; external diameter: 9.5 mm; colors: blue - brown - yellow-green.</p>	<p>Code <u>98147</u></p>	
		<p>Cable and connector Length 10000 mm; insulation double; section 1.5 mm²; cable gland: no; external diameter: 9.5 mm; colors: blue - brown - yellow-green.</p>	<p>Code <u>98146</u></p>
		<p>Outer casing installation position: wall lights, floor; type of installation: masonry L=1536mm, H=138.3mm, D=100.2mm. Material:Iron, colour:zinc, processing:Galvanising.</p>	<p>Finish Grey Code <u>99760</u></p>