





Lines | 198-264 V | 9 x powerLEDs 19.8 W DC - 22 W AC | CRI 80 | Base  
**82304M60**

Single emission lines for outdoor application. The super warm white LED light source with a wide flood light distribution is composed of 9 powered LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 2538 lm, with a 128.2 lm/W nominal luminous efficacy.

The device body is made of aluminium 6060 and features a anodised black finish, processed by means of 15 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 2.8 kg.

The total absorbed power is 22 W. The power supply cable is included and features a 0.2 m length.

The device features protection class I and can be floor-mounted with an outer casing, code 98725(for concrete or masonry).

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

### Energy efficiency class

This product contains 2 light sources of energy efficiency class D.

### Illuminotechnical Features

Light Output Ratio (LOR)	60 %
Source lumens	2538 lm
Delivered lumens	1533 lm
Consumption	22 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

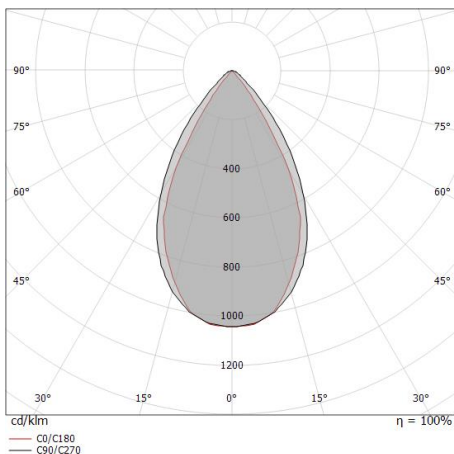
L70 B10 C0 361980h (at Tj 60 Ta 25 )

### UGR

UGR axial	18.8
UGR transversal	13.8
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C90/C270 optics	64°
C0/C180 optics	57°
Light distribution simmetry	Symmetrical 2 assis



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.62 0.54	E(0°) 6399 E(C90) 1960 E(C0) 2182
1.0	1.24 1.08	E(0°) 1600 E(C90) 490 E(C0) 545
1.5	1.87 1.62	E(0°) 711 E(C90) 218 E(C0) 242
2.0	2.49 2.16	E(0°) 400 E(C90) 123 E(C0) 136
2.5	3.11 2.70	E(0°) 256 E(C90) 78 E(C0) 87
3.0	3.73 3.24	E(0°) 178 E(C90) 54 E(C0) 61

— C0/C180 (Half-peak divergence: 56.8°)  
 — C90/C270 (Half-peak divergence: 63.8°)



	<p>Cable and connector Length 2000 mm; insulation double; section 1.5 mm<sup>2</sup>; cable gland: no; external diameter: 9.5 mm; colors: blue - brown - yellow-green.</p>	<p><b>Code</b> <u>99057</u></p>	
	<p>Cable and connector Length 5000 mm; insulation double; section 1.5 mm<sup>2</sup>; cable gland: no; external diameter: 9.5 mm; colors: blue - brown - yellow-green.</p>	<p><b>Code</b> <u>98147</u></p>	
		<p>Cable and connector Length 10000 mm; insulation double; section 1.5 mm<sup>2</sup>; cable gland: no; external diameter: 9.5 mm; colors: blue - brown - yellow-green.</p>	<p><b>Code</b> <u>98146</u></p>
		<p>Outer casing installation position: floor; type of installation: masonry L=511mm, H=140mm, D=75mm. Material:Aluminium 6060, colour:Anodised Black, processing:15 µm Anodizing.</p>	<p><b>Finish</b> [Black Box] <b>Code</b> <u>98725</u></p>
	<p>Key</p>	<p><b>Code</b> <u>98957</u></p>	