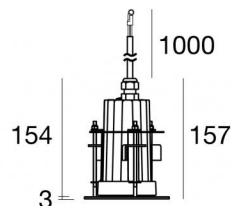




Downlights | 198-264 V  
1 arrayLED 7.2 W DC - 8.5 W AC | CRI 80

**81916M60**



## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Outdoor
Light Source	LED
Circuit structure	arrayLED
Optics	Wide Flood
Light emission direction	downward
Nominal power	7.2 W DC
Total Power	8.5 W
Source lumens	1041 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 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	No
Drive-over	No
Cable included	Yes
Cable length	1 m
Resin potting	Yes
Type of light emission	Single emission
Net weight	1 Kg
Electrostatic discharge protection	Yes
Surge protection	1 KV
Product technological characteristics	Acquastop

## Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	black
Processing	Open pore anodizing + Powder Coating

## Finishing diffuser

Material	Extra clear glass - Tempered
Colour	transparent

## Finishing flange

Material	Aluminium 6026
Colour	Black
Processing	Open pore anodizing + Powder Coating

## Cables Electrification

Cable connector	No
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Downlights | 198-264 V | 1 arrayLED 7.2 W DC - 8.5 W AC | CRI 80 | Base 81916M60

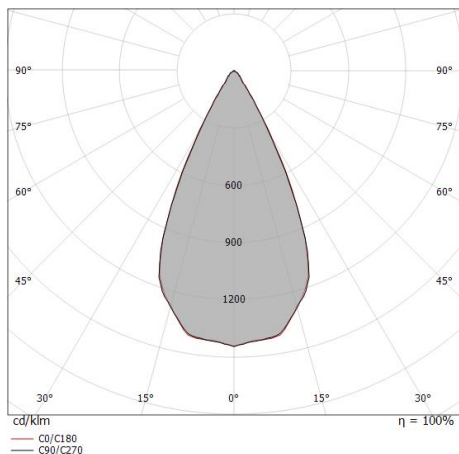
Single emission recessed downlights for outdoor application. The super warm white LED light source with a wide flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1041 lm, with a 144.6 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered. The ingress protection degree is IP67; the total weight is of 1 kg.

The total absorbed power is 8.5 W. The power supply cable is included and features a 1 m length.

The device features protection class I and can be ceiling-mounted, with a 96 mm diameter hole (in plasterboard) with an outer casing, code 99673(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.48 0.48	E(0°) 2905 E(C90) 1081 E(C0) 1073
1.0	0.95 0.96	E(0°) 726 E(C90) 270 E(C0) 268
1.5	1.43 1.44	E(0°) 323 E(C90) 120 E(C0) 119
2.0	1.91 1.92	E(0°) 182 E(C90) 68 E(C0) 67
2.5	2.38 2.40	E(0°) 116 E(C90) 43 E(C0) 43
3.0	2.86 2.87	E(0°) 81 E(C90) 30 E(C0) 30

— C0/C180 (Half-peak divergence: 51.2°)  
— C90/C270 (Half-peak divergence: 51.0°)

### Energy efficiency class

This product contains a light source of energy efficiency class E.

### Illuminotechnical Features

Light Output Ratio (LOR)	48 %
Source lumens	1041 lm
Delivered lumens	504 lm
Consumption	8.5 W
Luminaire efficacy	59 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
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 252000h (at Tj 65 Ta 25 )

### UGR

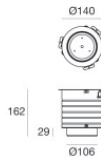
UGR axial	14.9
UGR transversal	15.1
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	51°
Light distribution simmetry	Symmetrical



Guardian | Downlights | Accessories  
**81916M60**



Outer casing

installation position: ceiling; type of installation: masonry .

Material:Grey.

**Code**

99673