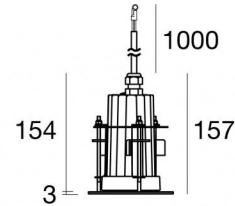




Downlights | 198-264 V
1 arrayLED 7.2 W DC - 8.5 W AC | CRI 80
81917M60



96



Technical data

| | |
|--|------------------------|
| Type | Encasement with flange |
| Installation position | Ceiling |
| Installation environment | Outdoor |
| Light Source | LED |
| Circuit structure | arrayLED |
| Optics | Medium 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 |
| Optics technology | Honey comb |
| 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 |
|-----------------|----|

Downlights | 198-264 V | 1 arrayLED 7.2 W DC - 8.5 W AC | CRI 80 | Base 81917M60

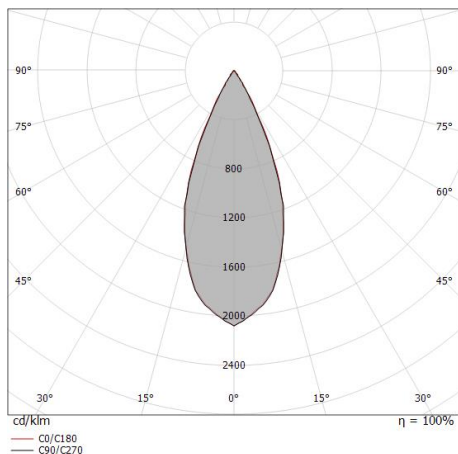
Single emission recessed downlights for outdoor application. The super warm white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1041 lm, with a 144.6 lm/W nominal luminous efficacy.

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 | 0.39 0.39 | E(0°) 2716 E(C90) 1108 E(C0) 1110 |
| 1.0 | 0.78 0.78 | E(0°) 679 E(C90) 277 E(C0) 278 |
| 1.5 | 1.17 1.16 | E(0°) 302 E(C90) 123 E(C0) 123 |
| 2.0 | 1.56 1.55 | E(0°) 170 E(C90) 69 E(C0) 69 |
| 2.5 | 1.95 1.94 | E(0°) 109 E(C90) 44 E(C0) 44 |
| 3.0 | 2.34 2.33 | E(0°) 75 E(C90) 31 E(C0) 31 |

— C0/C180 (Half-peak divergence: 42.4°)
— C90/C270 (Half-peak divergence: 42.6°)

Energy efficiency class

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

Illuminotechnical Features

| | |
|--|----------------|
| Light Output Ratio (LOR) | 31 % |
| Source lumens | 1041 lm |
| Delivered lumens | 326 lm |
| Consumption | 8.5 W |
| Luminaire efficacy | 38 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 | 10.8 |
| UGR transversal | 11.1 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 42° |
| Light distribution simmetry | Symmetrical |



Guardian | Downlights | Accessories
81917M60



Outer casing

installation position: ceiling; type of installation: masonry .

Material:Grey.

Code

99673