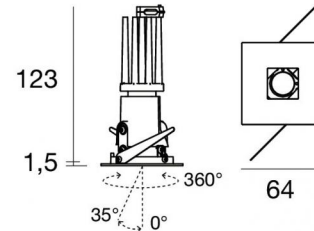




Downlights | 1 arrayLED 6 W DC 700 mA | CRI 90
C00938BBMFL



56



| Technical data | |
|--|------------------------|
| Type | Encasement with flange |
| Installation position | Ceiling |
| Installation environment | Indoor |
| Light Source | LED |
| Circuit structure | arrayLED |
| Optics | Flood |
| Light emission direction | downward |
| Nominal power | 6 W DC |
| Source lumens | 715 lm |
| Input voltage range | 700mA |
| CCT / Tone | 2700 K |
| Colour rendering index | 90 Ra |
| C.C. / C.V. | CC |
| Safety class | 3 |
| IP | IP44 |
| Optical compartment IP | IP65 |
| Glow wire test | 850° |
| Direct mounting on normally flammable surfaces | Yes |
| CE | Yes |
| Driver included | No |
| Dimmable article | DALI - 1-10V |
| Directional | No |
| Tilting | Yes |
| total angle (horizontal plane) | 360 ° |
| total angle (vertical plane) | 35 ° |
| Walk-over | No |
| Drive-over | No |
| Cable included | Yes |
| Cable length | 0.17 m |
| Resin potting | No |
| Type of light emission | Single emission |
| Net weight | 0.128 Kg |
| Electrostatic discharge protection | No |
| Surge protection | No |

Finishing casing

| | |
|------------|----------------------------------|
| Material | Die-cast Aluminium EN AB - 46100 |
| Colour | black |
| Processing | Powder coating |

Finishing flange

| | |
|------------|----------------------------------|
| Material | Die-cast Aluminium EN AB - 46100 |
| Colour | Black |
| Processing | Powder coating |

Finishing radiator

| | |
|------------|----------------------------------|
| Material | Die-cast Aluminium EN AB - 46100 |
| Processing | Tumbling |

Electronics

- 

99147
 On/Off Driver 198-264V AC (1 - 4 art.)

- 

99735
 Multi Power 198-264V AC / 180-275V DC (1 art.)

- 

99733
 1-10V Multi Power 198-264V AC / 180-275V DC (1 art.)

- 

C-E100012
 Push and Simply Dim - DALI-2 Controller (1 art.)

- 

C-E100016
 Push and Simply Dim - DALI-2 Controller (1 - 4 art.)

Cables Electrification

| | |
|-----------------|----|
| Cable connector | No |
|-----------------|----|



Downlights | 1 arrayLED 6 W DC 700 mA | CRI 90 | Base C00938BBMFL

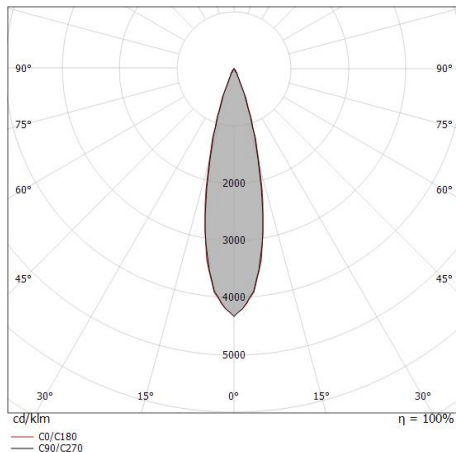
Single emission recessed downlights for indoor application. The super warm white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 715 lm, with a 119.2 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating. The ingress protection degree is IP44; the total weight is of 0.128 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 6 W. The power supply cable is included and features a 0.17 m length.

The device features protection class III and can be ceiling-mounted, with a 56 mm diameter hole (in plasterboard).

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



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|---|
| 0.5 | 0.23 0.23 | E(0°) 4940 E(C90) 2318 E(C0) 2310 |
| 1.0 | 0.45 0.46 | E(0°) 1235 E(C90) 580 E(C0) 578 |
| 1.5 | 0.68 0.69 | E(0°) 549 E(C90) 258 E(C0) 257 |
| 2.0 | 0.90 0.92 | E(0°) 309 E(C90) 145 E(C0) 144 |
| 2.5 | 1.13 1.15 | E(0°) 198 E(C90) 93 E(C0) 92 |
| 3.0 | 1.35 1.37 | E(0°) 137 E(C90) 64 E(C0) 64 |

Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 25.8°)
— C90/C270 (Half-peak divergence: 25.4°)

Energy efficiency class

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

Illuminotechnical Features

| | |
|---------------------------------------|----------------|
| Light Output Ratio (LOR) | 40 % |
| Source lumens | 715 lm |
| Delivered lumens | 286 lm |
| Consumption | 6 W |
| Luminaire efficacy | 47 lm/W |
| Colour temperature | 2700 K |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Colour rendering index | 90 Ra |

Standard Operating Ambient Temperature -20 / +50°C

Ordinary temperature on the glass 40°C

LED Life / Failure Ratio

L70 B10 C0 134020h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR axial | 10.9 |
| UGR transversal | 8.2 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 25° |
| Light distribution simmetry | Symmetrical |