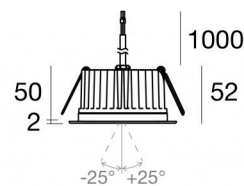




Downlights | 1 arrayLED 8 W DC 220 mA | CRI 80
81243M15



| Technical data | |
|--|------------------------|
| Type | Encasement with flange |
| Installation position | Ceiling |
| Installation environment | Outdoor |
| Light Source | LED |
| Circuit structure | arrayLED |
| Optics | Spot |
| Light emission direction | downward |
| Nominal power | 8 W DC |
| Source lumens | 1132 lm |
| Input voltage range | 220mA |
| CCT / Tone | 2700 K |
| Colour rendering index | 80 Ra |
| C.C. / C.V. | CC |
| Safety class | 3 |
| IP | IP67 |
| IK | IK10 |
| 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 (vertical plane) | 50 ° |
| Walk-over | No |
| Drive-over | No |
| Cable included | Yes |
| Cable length | 1 m |
| Resin potting | Yes |
| Type of light emission | Single emission |
| Net weight | 0.5 Kg |
| Electrostatic discharge protection | No |
| Surge protection | No |
| 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 |
| Processing | Silk-screening |

Finishing flange

| | |
|------------|-----------------|
| Material | AISI 316L steel |
| Colour | steel |
| Processing | Brushing |

Electronics



99342
On/Off Driver 198-264V AC (1 art.)



Downlights | 1 arrayLED 8 W DC 220 mA | CRI 80 | Base 81243M15

Single emission recessed downlights for outdoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayLEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1132 lm, with a 141.5 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 with a silk-screening treatment. The ingress protection degree is IP67; the total weight is of 0.5 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 8 W. The power supply cable is included and features a 1 m length.

The device features protection class III and can be ceiling-mounted, with a 86 mm diameter hole (in plasterboard) with an outer casing, code 99749(for concrete or masonry).

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

Energy efficiency class

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

Illuminotechnical Features

| | |
|--|----------------|
| Light Output Ratio (LOR) | 76 % |
| Source lumens | 1132 lm |
| Delivered lumens | 862 lm |
| Consumption | 8 W |
| Luminaire efficacy | 107 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

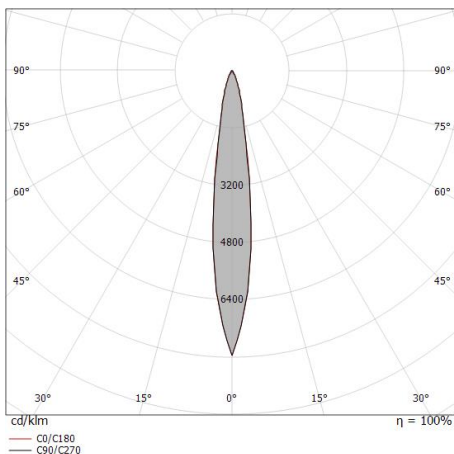
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR transversal | 12.8 |
| UGR axial | 12.7 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 15° |
| Light distribution simmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|--|
| 0.5 | 0.13 0.13 | E(0°) 26089 E(C90) 7.4° 12874 E(C0) 7.5° 12715 |
| 1.0 | 0.26 0.26 | E(0°) 6522 E(C90) 7.4° 3218 E(C0) 7.5° 3179 |
| 1.5 | 0.39 0.39 | E(0°) 2899 E(C90) 7.4° 1430 E(C0) 7.5° 1413 |
| 2.0 | 0.52 0.53 | E(0°) 1631 E(C90) 7.4° 805 E(C0) 7.5° 795 |
| 2.5 | 0.65 0.66 | E(0°) 1044 E(C90) 7.4° 515 E(C0) 7.5° 509 |
| 3.0 | 0.78 0.79 | E(0°) 725 E(C90) 7.4° 358 E(C0) 7.5° 353 |

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

— C0/C180 (Half-peak divergence: 15.0°)
— C90/C270 (Half-peak divergence: 14.8°)



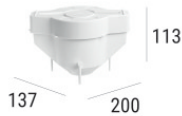
Outer casing - (to be completed with universal grill 99750)
installation position: ceiling; type of installation: masonry L=290mm, H=125mm, D=190mm

Code
99749



Accessories for outer casings - Universal grille for outer casing 99749

Code
99750



Outer casing
installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm.
Material:polypropylene, colour:white.

Code
89373



Outer casing
installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.
Material:polypropylene, colour:white.

Code
89374