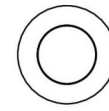
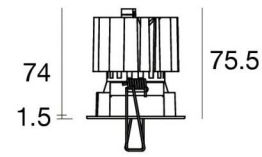


COB44_R



Downlights | 1 arrayLED 11 W DC 300 mA | CRI 90
C00178WHNWF



Ø 68

Technical data

| | |
|--|------------------------|
| Type | Encasement with flange |
| Installation position | Ceiling |
| Installation environment | Indoor |
| Light Source | LED |
| Circuit structure | arrayLED |
| Optics | Wide Flood |
| Light emission direction | downward |
| Nominal power | 11 W DC |
| Source lumens | 1660 lm |
| Input voltage range | 300mA |
| CCT / Tone | 4000 K |
| Colour rendering index | 90 Ra |
| C.C. / C.V. | CC |
| Safety class | 3 |
| IP | IP44 |
| Optical compartment IP | IP65 |
| IK | IK05 |
| Glow wire test | 850° |
| Direct mounting on normally flammable surfaces | Yes |
| CE | Yes |
| Driver included | No |
| Dimmable article | DALI - 1-10V |
| Directional | No |
| Tilting | No |
| Walk-over | No |
| Drive-over | No |
| Cable included | Yes |
| Cable length | 0.15 m |
| Resin potting | No |
| Type of light emission | Single emission |
| Net weight | 0.2 Kg |
| Electrostatic discharge protection | No |
| Surge protection | No |

Finishing casing

| | |
|------------|----------------------------|
| Material | UV Resistant Polycarbonate |
| Colour | White |
| Processing | Liquid painting |

Finishing diffuser

| | |
|----------|----------------------------|
| Material | UV Resistant Polycarbonate |
| Colour | transparent |

Finishing radiator

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

Electronics



99734
Multi Power 198~264V AC / 180~275V DC (1 art.)



99732
1-10V Multi Power 198~264V AC / 180~275V DC (1 art.)



83322
Push and Simply Dim - DALI-2 Controller (1 art.)



Downlights | 1 arrayLED 11 W DC 300 mA | CRI 90 | Base C00178WHNWF

Single emission recessed downlights for indoor application. The natural white LED light source with a wide flood light distribution is composed of 1 arrayLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1660 lm, with a 150.9 lm/W nominal luminous efficacy.

The device body is made of uv resistant polycarbonate and features a white finish, processed by means of liquid painting; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.2 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 11 W. The power supply cable is included and features a 0.15 m length.

The device features protection class III and can be ceiling-mounted, with a 64 mm diameter hole (in plasterboard).

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) | 58 % |
| Source lumens | 1660 lm |
| Delivered lumens | 967 lm |
| Consumption | 11 W |
| Luminaire efficacy | 87 lm/W |
| Colour temperature | 4000 K |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Colour rendering index | 90 Ra |
| Colour Rendering Index | 60 R9 |
| Black Body Locus | On |
| Standard Operating Ambient Temperature | -20 / +50°C |
| Ordinary temperature on the glass | 40°C |

LED Life / Failure Ratio

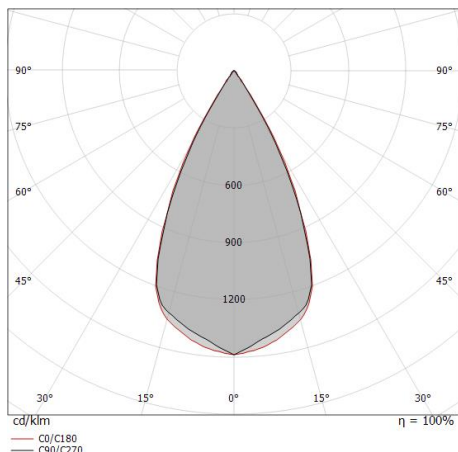
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR axial | 17.4 |
| UGR transversal | 17.6 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|-------------|
| C0/C180 optics | 52° |
| Light distribution symmetry | Symmetrical |



| Distance [m] | Cone diameter [m] | Illuminance [lx] |
|--------------|-------------------|---|
| 0.5 | 0.49 0.50 | E(0°) 5746 E(C90) 2102 E(C0) 2071 |
| 1.0 | 0.98 0.99 | E(0°) 1436 E(C90) 526 E(C0) 518 |
| 1.5 | 1.46 1.49 | E(0°) 638 E(C90) 234 E(C0) 230 |
| 2.0 | 1.95 1.98 | E(0°) 359 E(C90) 131 E(C0) 129 |
| 2.5 | 2.44 2.48 | E(0°) 230 E(C90) 84 E(C0) 83 |
| 3.0 | 2.93 2.98 | E(0°) 160 E(C90) 58 E(C0) 58 |

— C0/C180 (Half-peak divergence: 52.8°)
— C90/C270 (Half-peak divergence: 52.0°)

