



Downlights | 1 x powerLED 10 W DC 800 mA | CRI 92
82877W30



Ø60



52

| Technical data | |
|--|------------------------|
| Type | Encasement with flange |
| Installation position | Ceiling |
| Installation environment | Indoor |
| Light Source | LED |
| Circuit structure | powerLED |
| Optics | Flood |
| Light emission direction | downward |
| Nominal power | 10 W DC |
| Source lumens | 1034 lm |
| Input voltage range | 800mA |
| CCT / Tone | 3000 K |
| Colour rendering index | 92 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 | No |
| Walk-over | No |
| Drive-over | No |
| Cable included | Yes |
| Cable length | 0.170 m |
| Resin potting | No |
| Type of light emission | Single emission |
| Net weight | 0.400 Kg |
| Electrostatic discharge protection | No |
| Surge protection | No |
| Optics technology | F.O.L. |
| Product technological characteristics | TVS |

Finishing casing

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

Finishing diffuser

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

Finishing radiator

| | |
|------------|----------------------------------|
| Material | Die-cast Aluminium EN AB - 46100 |
| Colour | Aluminium |
| Processing | Polishing |

Electronics



99135
On/Off Driver 198~264V AC (2 - 3 art.)



99345
DALI - Push and Simply Dim Multi Power 198~264V AC / 176~275V DC (1 - 3 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-E100013
Push and Simply Dim - DALI-2 Controller (1 art.)

Cables Electrification

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



Downlights | 1 x powerLED 10 W DC 800 mA | CRI 92 | Base
82877W30

Single emission recessed downlights for indoor application. The warm white LED light source with a flood light distribution is composed of 1 powerLEDs with CCT of 3000 K and a CRI 92; the source luminous flux is 1034 lm, with a 103.4 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a gold finish, processed by means of powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.400 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 10 W. The power supply cable is included and features a 0.170 m length.

The device features protection class III and can be ceiling-mounted, with a 52 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 F.

Illuminotechnical Features

| | |
|--|----------------|
| Light Output Ratio (LOR) | 58 % |
| Source lumens | 1034 lm |
| Delivered lumens | 603 lm |
| Consumption | 10 W |
| Luminaire efficacy | 60 lm/W |
| Colour temperature | 3000 K |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Colour rendering index | 92 Ra |
| Black Body Locus | On |
| Standard Operating Ambient Temperature | -20 / +50°C |
| Ordinary temperature on the glass | 40°C |

LED Life / Failure Ratio

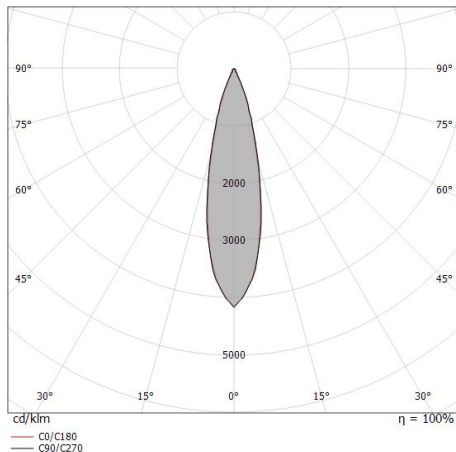
L70 B10 C0 247450h (at Tj 60 Ta 25)

UGR

| | |
|-------------------|----------|
| UGR axial | 19.2 |
| UGR transversal | 19.3 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

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



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|--|
| 0.5 | 0.22 0.22 | E(0°) 10026 E(C90) 4710 E(C0) 4704 |
| 1.0 | 0.44 0.44 | E(0°) 2506 E(C90) 1178 E(C0) 1176 |
| 1.5 | 0.67 0.66 | E(0°) 1114 E(C90) 523 E(C0) 523 |
| 2.0 | 0.89 0.88 | E(0°) 627 E(C90) 294 E(C0) 294 |
| 2.5 | 1.11 1.10 | E(0°) 401 E(C90) 188 E(C0) 188 |
| 3.0 | 1.33 1.32 | E(0°) 278 E(C90) 131 E(C0) 131 |

— C0/C180 (Half-peak divergence: 24.8°)
— C90/C270 (Half-peak divergence: 25.0°)

