



Downlights | 1 x powerLED 10 W DC 800 mA | CRI 92  
**82878M30**



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	960 lm
Input voltage range	800mA
CCT / Tone	2700 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. - Honey comb
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
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Single emission recessed downlights for indoor application. The super warm white LED light source with a flood light distribution is composed of 1 powerLED LEDs with CCT of 2700 K and a CRI 92; the source luminous flux is 960 lm, with a 96.0 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)	43 %
Source lumens	960 lm
Delivered lumens	421 lm
Consumption	10 W
Luminaire efficacy	42 lm/W
Colour temperature	2700 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

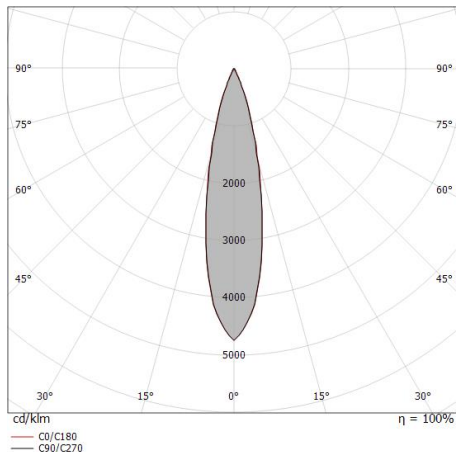
L70 B10 C0 247450h (at Tj 60 Ta 25)

### UGR

UGR axial	16.6
UGR transversal	16.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	23°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.20 0.21	E(0°) 7991 E(C90) 3798 E(C0) 3788
1.0	0.41 0.41	E(0°) 1998 E(C90) 950 E(C0) 947
1.5	0.61 0.62	E(0°) 888 E(C90) 422 E(C0) 421
2.0	0.81 0.83	E(0°) 499 E(C90) 237 E(C0) 237
2.5	1.02 1.04	E(0°) 320 E(C90) 152 E(C0) 152
3.0	1.22 1.24	E(0°) 222 E(C90) 106 E(C0) 105

— C0/C180 (Half-peak divergence: 23.4°)  
— C90/C270 (Half-peak divergence: 23.0°)

### COLOR VECTOR GRAPHIC

