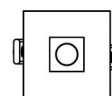




Downlights | 1 x powerLED 8 W DC 700 mA | CRI 90  
**90660N15**



□71



64

## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Spot
Light emission direction	downward
Nominal power	8 W DC
Source lumens	796 lm
Input voltage range	700mA
CCT / Tone	4000 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	No
Walk-over	No
Drive-over	No
Cable included	No
Resin potting	No
Type of light emission	Single emission
Net weight	0.192 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	White
Processing	Powder coating

## Finishing diffuser

Material	UV Resistant Polycarbonate
Colour	transparent

## Finishing radiator

Material	Die-cast Aluminium EN AB - 46100
Processing	Tumbling

## Electronics



99147  
On/Off Driver 198~264V AC (2 - 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-E100012  
Push and Simply Dim - DALI-2 Controller (1 art.)



C-E100016  
Push and Simply Dim - DALI-2 Controller (2 - 3 art.)



## Downlights | 1 x powerLED 8 W DC 700 mA | CRI 90 | Base 90660N15

Single emission recessed downlights for indoor application. The natural white LED light source with a spot light distribution is composed of 1 powered LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 796 lm, with a 99.5 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white 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 0.192 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 8 W.

The device features protection class III and can be ceiling-mounted, with a 64 mm diameter hole (in plasterboard) with an outer casing, code 89374(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 F.

### Illuminotechnical Features

Light Output Ratio (LOR)	66 %
Source lumens	796 lm
Delivered lumens	531 lm
Consumption	8 W
Luminaire efficacy	66 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

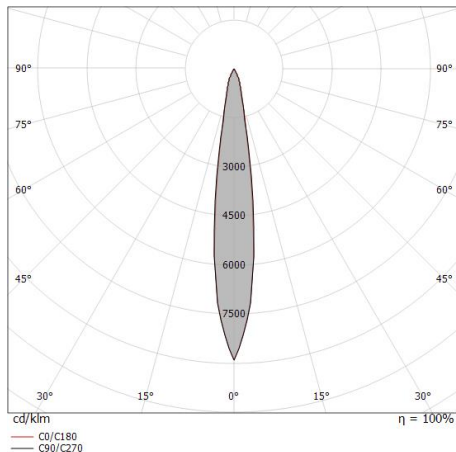
L70 B10 C0 247450h (at Tj 60 Ta 25 )

### UGR

UGR axial	12.3
UGR transversal	12.2
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	15°
Light distribution symmetry	Symmetrical

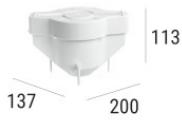


Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.13 0.13	E(0°) 18951 E(C90) 9335 E(C0) 9301
1.0	0.26 0.26	E(0°) 4738 E(C90) 2334 E(C0) 2325
1.5	0.39 0.39	E(0°) 2106 E(C90) 1037 E(C0) 1033
2.0	0.52 0.52	E(0°) 1184 E(C90) 583 E(C0) 581
2.5	0.66 0.65	E(0°) 758 E(C90) 373 E(C0) 372
3.0	0.79 0.78	E(0°) 526 E(C90) 259 E(C0) 258

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

### COLOR VECTOR GRAPHIC





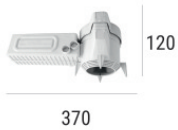
Outer casing

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