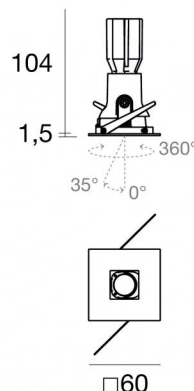




Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90
80478W15



56

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	4 W DC
Source lumens	416 lm
Input voltage range	350mA
CCT / Tone	3000 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	Yes
total angle (horizontal plane)	360 °
total angle (vertical plane)	35 °
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	0.128 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	black
Processing	Powder coating

Finishing diffuser

Material	UV Resistant Polycarbonate
Colour	transparent


Finishing flange


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


Finishing radiator


Material	Die-cast Aluminium EN AB - 46100
Processing	Tumbling

Electronics

 89145
On/Off Driver 198~264V AC / 180~275V DC

 99375
On/Off Driver 198~264V AC

 C-E100010
1-10V - 0-10V Controller

 C-E100011
Push and Simply Dim - DALI-2 Controller

Cables Electrification

Cable connector No

Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90 | Base 80478W15

Single emission recessed downlights for indoor application. The warm white LED light source with a spot light distribution is composed of 1 powered LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 416 lm, with a 104.0 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 powder coating; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.128 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 4 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 56 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)	48 %
Source lumens	416 lm
Delivered lumens	202 lm
Consumption	4 W
Luminaire efficacy	50 lm/W
Colour temperature	3000 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

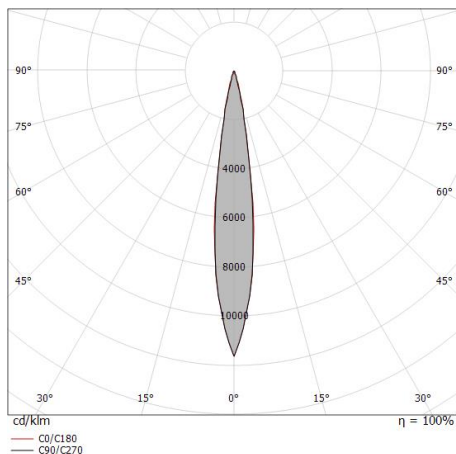
L70 B10 C0 247450h (at Tj 60 Ta 25)

UGR

UGR axial	13.4
UGR transversal	13.2
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]	E(0°)	E(C90)	E(C0)
0.5	0.13 0.13	9361	7.4° 4647	7.6° 4603
1.0	0.26 0.27	2340	7.4° 1162	7.6° 1151
1.5	0.39 0.40	1040	7.4° 516	7.6° 511
2.0	0.52 0.53	585	7.4° 290	7.6° 288
2.5	0.65 0.67	374	7.4° 186	7.6° 184
3.0	0.78 0.80	260	7.4° 129	7.6° 128

— C0/C180 (Half-peak divergence: 15.2°)
— C90/C270 (Half-peak divergence: 14.8°)





Vos_QJ | Downlights | Accessories
80478W15



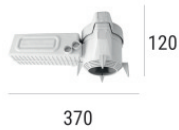
Outer casing

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