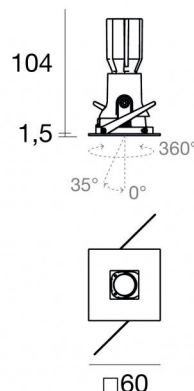




Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90  
**81271W60**



56

## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	powerLED
Optics	Medium Flood
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.
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	Black
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 (1 art.)

 99375  
On/Off Driver 198~264V AC (2 - 3 art.)

 C-E100010  
1-10V - 0-10V Controller (1 art.)

 C-E100011  
Push and Simply Dim - DALI-2 Controller (1 art.)

## Cables Electrification

Cable connector No



## Downlights | 1 x powerLED 4 W DC 350 mA | CRI 90 | Base 81271W60

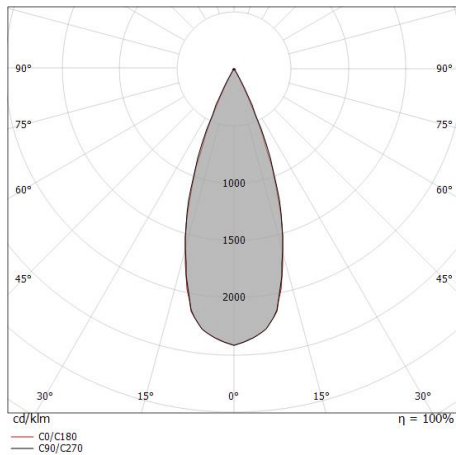
Single emission recessed downlights for indoor application. The warm white LED light source with a medium flood light distribution is composed of 1 powered LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 416 lm, with a 104.0 lm/W nominal luminous efficacy.

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.



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.34	E(0°) 1401 E(C90) 596 E(C0) 595
1.0	0.69	E(0°) 350 E(C90) 149 E(C0) 149
1.5	1.03	E(0°) 156 E(C90) 66 E(C0) 66
2.0	1.38	E(0°) 88 E(C90) 37 E(C0) 37
2.5	1.72	E(0°) 56 E(C90) 24 E(C0) 24
3.0	2.07	E(0°) 39 E(C90) 17 E(C0) 17

Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 37.6°)  
— C90/C270 (Half-peak divergence: 38.0°)

### Energy efficiency class

This product contains a light source of energy efficiency class F.

### Illuminotechnical Features

Light Output Ratio (LOR)	35 %
Source lumens	416 lm
Delivered lumens	146 lm
Consumption	4 W
Luminaire efficacy	36 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 )

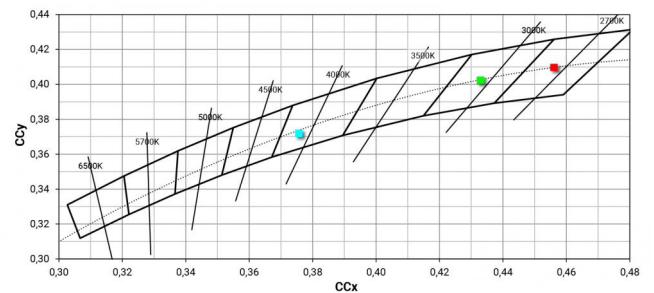
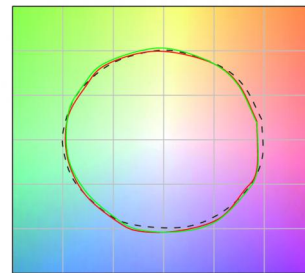
### UGR

UGR axial	14.4
UGR transversal	14.3
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

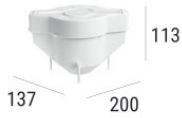
C0/C180 optics	38°
Light distribution simmetry	Symmetrical

### COLOR VECTOR GRAPHIC





Vos\_QJ | Downlights | Accessories  
**81271W60**



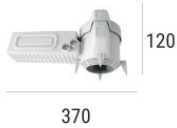
Outer casing

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