

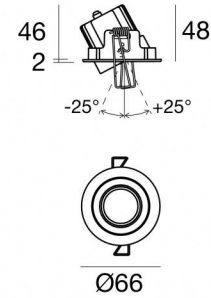
# Cob40\_RJ



Downlights | 1 arrayLED 6.5 W DC 700 mA | CRI 90  
**C00176BBWFL**



60



## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Flood
Light emission direction	downward
Nominal power	6.5 W DC
Source lumens	748 lm
Input voltage range	700mA
CCT / Tone	3000 K
Colour rendering index	90 Ra
C.C. / C.V.	CC
Safety class	3
IP	IP40
IK	IK05
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 (vertical plane)	50 °
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.15 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.15 Kg
Electrostatic discharge protection	No
Surge protection	No

## Finishing casing

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

## Finishing flange

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

## 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.)



83323  
Push and Simply Dim - DALI-2 Controller (1 art.)



C-E100016  
Push and Simply Dim - DALI-2 Controller (2 - 4 art.)



Downlights | 1 arrayLED 6.5 W DC 700 mA | CRI 90 | Base  
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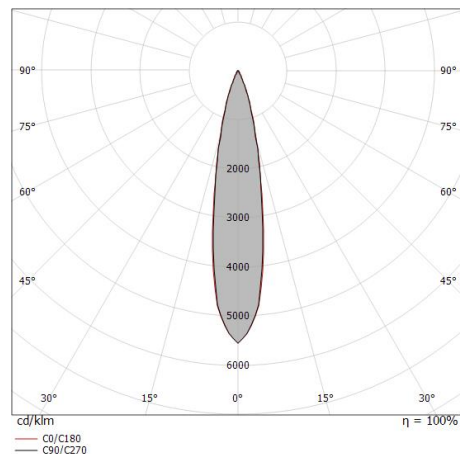
Single emission recessed downlights for indoor application. The warm white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 748 lm, with a 115.1 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating. The ingress protection degree is IP40; the total weight is of 0.15 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 6.5 W. The power supply cable is included and features a 0.15 m length.

The device features protection class III and can be ceiling-mounted, with a 60 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	0.18 0.18	E(0°) 13462 E(C90) 10.2° 6425 E(C0) 10.3° 6461
1.0	0.36 0.36	E(0°) 3266 E(C90) 10.2° 1606 E(C0) 10.3° 1615
1.5	0.54 0.55	E(0°) 1496 E(C90) 10.2° 714 E(C0) 10.3° 718
2.0	0.72 0.73	E(0°) 841 E(C90) 10.2° 402 E(C0) 10.3° 404
2.5	0.90 0.91	E(0°) 538 E(C90) 10.2° 257 E(C0) 10.3° 258
3.0	1.08 1.09	E(0°) 374 E(C90) 10.2° 178 E(C0) 10.3° 179

— C0/C180 (Half-peak divergence: 20.6°)  
— C90/C270 (Half-peak divergence: 20.4°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	81 %
Source lumens	748 lm
Delivered lumens	606 lm
Consumption	6.5 W
Luminaire efficacy	93 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	60°C

### LED Life / Failure Ratio

L70 B10 C0 134020h (at Tj 65 Ta 25 )

### UGR

UGR axial	15.5
UGR transversal	15.3
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	20°
Light distribution simmetry	Symmetrical



Cob40\_RJ | Downlights | Accessories  
**C00176BBWFL**



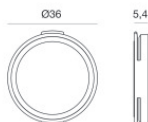
**Outer casing**  
 installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm.  
 Material: polypropylene, colour: white.

**Code**  
89373



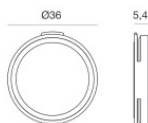
**Outer casing**  
 installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm.  
 Material: polypropylene, colour: white.

**Code**  
89374



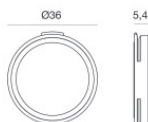
**White decorative ring**

**Code**  
99888



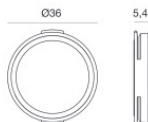
**Decorative ring in gold color**

**Code**  
99889



**Decorative ring in copper color**

**Code**  
99890



**Chrome decorative ring**

**Code**  
99899