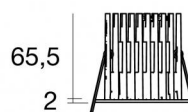


# Cob40\_R



Downlights | 1 arrayLED 15 W DC 400 mA | CRI 90  
**C00175BBWML**



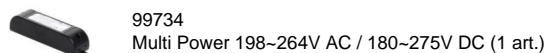
## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Flood
Light emission direction	downward
Nominal power	15 W DC
Source lumens	1906 lm
Input voltage range	400mA
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	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	0.3 m
Resin potting	No
Type of light emission	Single emission
Net weight	0.293 Kg
Electrostatic discharge protection	No
Surge protection	No

## Finishing casing

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

## Electronics



99734  
Multi Power 198~264V AC / 180~275V DC (1 art.)



99732  
1-10V Multi Power 198~264V AC / 180~275V DC (1 art.)



83322  
Push and Simply Dim - DALI-2 Controller (1 art.)



## Downlights | 1 arrayLED 15 W DC 400 mA | CRI 90 | Base C00175BBWML

Single emission recessed downlights for indoor application. The warm white LED light source with a medium flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1906 lm, with a 127.1 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 0.293 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 15 W. The power supply cable is included and features a 0.3 m length.

The device features protection class III and can be ceiling-mounted, with a 65 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 D.

### Illuminotechnical Features

Light Output Ratio (LOR)	78 %
Source lumens	1906 lm
Delivered lumens	1493 lm
Consumption	15 W
Luminaire efficacy	99 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

### LED Life / Failure Ratio

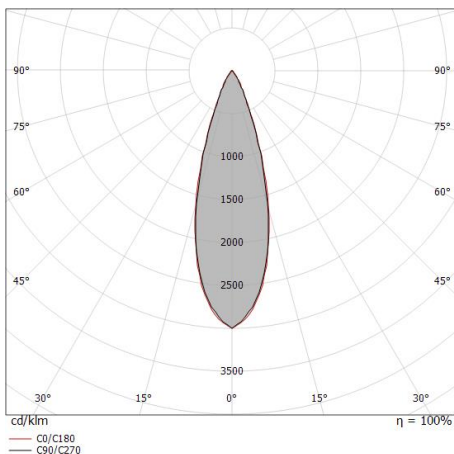
L70 B10 C0 296960h (at Tj 65 Ta 25 )

### UGR

UGR axial	15.8
UGR transversal	15.9
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	31°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.28 0.28	E(0°) 17918 E(C90) 8030 E(C0) 8060
1.0	0.56 0.57	E(0°) 4480 E(C90) 2008 E(C0) 2015
1.5	0.84 0.85	E(0°) 1991 E(C90) 892 E(C0) 896
2.0	1.12 1.13	E(0°) 1120 E(C90) 502 E(C0) 504
2.5	1.40 1.41	E(0°) 717 E(C90) 321 E(C0) 322
3.0	1.68 1.70	E(0°) 498 E(C90) 223 E(C0) 224

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

— C0/C180 (Half-peak divergence: 31.6°)  
— C90/C270 (Half-peak divergence: 31.2°)



		<p>White decorative ring</p>	<p><b>Code</b> <u>99891</u></p>
		<p>Decorative ring in gold color</p>	<p><b>Code</b> <u>99892</u></p>
		<p>Decorative ring in copper color</p>	<p><b>Code</b> <u>99893</u></p>
		<p>Chrome decorative ring</p>	<p><b>Code</b> <u>99900</u></p>
		<p>Outer casing installation position: ceiling; type of installation: masonry L=200mm, H=113mm, D=137mm. Material:polypropylene, colour:white.</p>	<p><b>Code</b> <u>89373</u></p>
		<p>Outer casing installation position: ceiling; type of installation: masonry L=370mm, H=120mm, D=200mm. Material:polypropylene, colour:white.</p>	<p><b>Code</b> <u>89374</u></p>