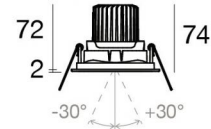


# Cob44\_QJ



Downlights | 1 arrayLED 6.5 W DC 700 mA | CRI 90  
C00183WHMWF



81



□90

## Technical data

Type	Encasement with flange
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Wide Flood
Light emission direction	downward
Nominal power	6.5 W DC
Source lumens	715 lm
Input voltage range	700mA
CCT / Tone	2700 K
Colour rendering index	90 Ra
C.C. / C.V.	CC
Safety class	3
IP	IP44
Optical compartment IP	IP65
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)	60 °
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	0.3 Kg
Electrostatic discharge protection	No
Surge protection	No

## Finishing casing

Material	UV Resistant Polycarbonate
Colour	White
Processing	Liquid painting

## 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 (1 - 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 (1 - 3 art.)



Downlights | 1 arrayLED 6.5 W DC 700 mA | CRI 90 | Base  
**C00183WHMWF**

Single emission recessed downlights for indoor application. The super warm white LED light source with a wide flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 715 lm, with a 110.0 lm/W nominal luminous efficacy.

The device body is made of uv resistant polycarbonate and features a white finish, processed by means of liquid painting; the diffuser is made of uv resistant polycarbonate. The ingress protection degree is IP44; the total weight is of 0.3 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 81 x 81 mm hole (in plasterboard).

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)	77 %
Source lumens	715 lm
Delivered lumens	555 lm
Consumption	6.5 W
Luminaire efficacy	85 lm/W
Colour temperature	2700 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	40°C

### LED Life / Failure Ratio

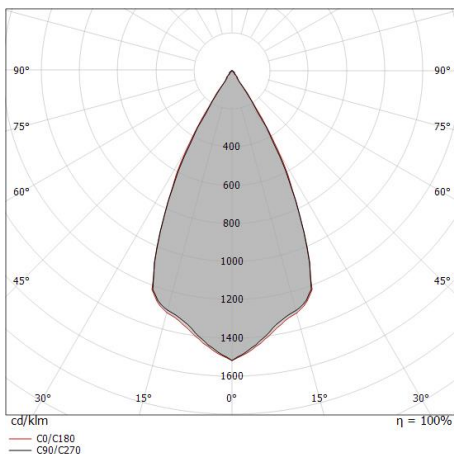
L70 B10 C0 134020h (at Tj 65 Ta 25 )

### UGR

UGR axial	12.8
UGR transversal	12.9
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	52°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	Beam diameter [m]	Beam diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	0.49	0.49	0.49	3363	1233	1224	
1.0	0.97	0.98	0.98	841	308	306	
1.5	1.46	1.47	1.47	374	137	136	
2.0	1.94	1.96	1.96	210	77	76	
2.5	2.43	2.45	2.45	135	49	49	
3.0	2.91	2.94	2.94	93	34	34	

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0/C180 (Half-peak divergence: 52.2°)  
— C90/C270 (Half-peak divergence: 51.8°)