



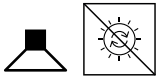
PROJECT

TYPE

NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; with trim; surface Black Matt; powder coated, matt texture; RAL 9011; installation without tools using wire springs; suitable for ceiling thickness of 4-25 mm; recessed depth 68mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 32°; degree of protection IP44; Class 3; IC rated; driver not included; light source not replaceable;



LUMINAIRE

Ceiling
Recessed
Black Matt
RAL 9011 ^a
front IP44
back IP20
IC rated
Interior
335 lm

LED MODULE

2700 K
CRI ≥ 90
L80 / 100000 h
 ≤ 2 SDCM (initial MacAdam)

OPTICAL

Medium (standard)
beam angle 32°
CIE flux code: 95 99 100 100 100

ELECTRICAL

excl. driver
17 V
Class III

PHYSICAL

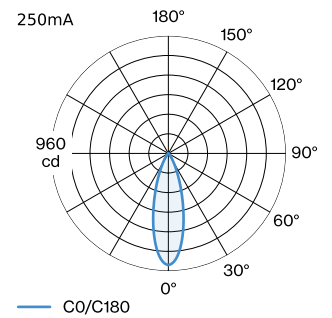
diameter 45 mm
height 42 mm
0.06 kg
wire springs

CUTOUT

diameter 40-41 mm
min. ceiling thickness 4 mm
max. ceiling thickness 25 mm
recessed depth 68 mm

^a Colour may deviate slightly due to production conditions

LIGHT DISTRIBUTION





CONE DIAGRAM

medium (standard) 350mA

h (m)	E0° (lx)	ø (m)
1	912	0.55
2	228	1.10
3	101	1.65
4	57	2.20
5	36	2.76

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.99	0.98	0.97	0.96	0.95
LSF	1	1	1	1	1

MF LMF × RSMF × LLMF × LSF

MF Maintenance Factor

LMF^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor

LLMF Lamp Lumens Maintenance Factor

LSF Lamp Survival Factor

^aAccording to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.

ELECTRICAL ACCESSORIES

DRIVER

TYPE	COLOUR	VOLTAGE	L·W·H (MM)	ITEM NUMBER
6W 250mA 8.6-24V 100-240VAC		8.6-24V	55-39-22	90216201
5W 250mA 12-21V phase-cut dim 220-240VAC		12-21V	68-33-22	90226201
10W 250mA 16-40V phase cut TE IP65 110-240VAC		16-40V	44-27-20	90226404
10W 250mA 10-40V DALI-2 push dim 220-240VAC		10-40V	166-29-21	90246403