



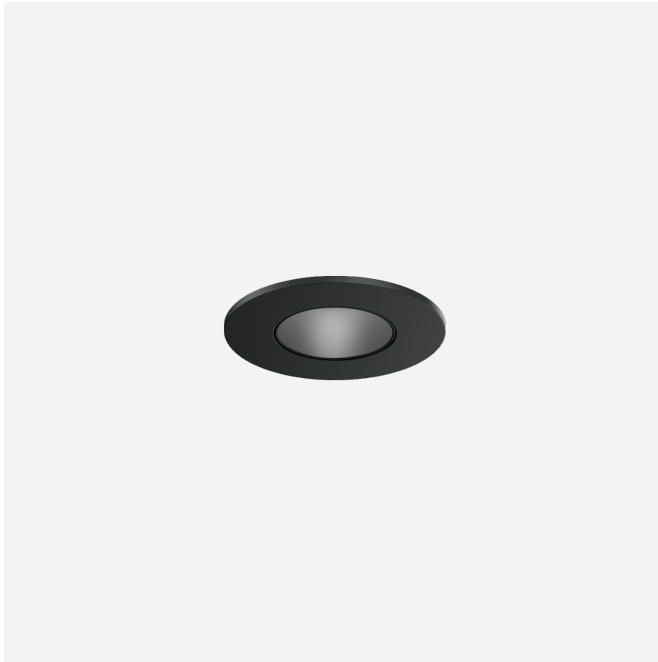
PROJECT

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 68 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 32°; degree of protection IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



LUMINAIRE

Ceiling
Recessed
Black Matt
RAL 9011^a
IP20
Interior
335 lm

LED Module

3000 K
CRI ≥ 90
L80 / 50000h
 ≤ 2 SDCM (initial MacAdam)

Optical

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

Electrical

excl. driver
17 V
Class III

Physical

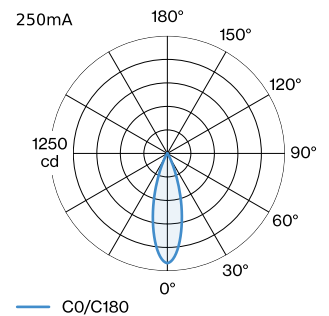
diameter 45 mm
height 42 mm
0.06 kg
wire springs

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) 250mA

h (m)	E0° (lx)	ø (m)
1	1170	0.53
2	290	1.06
3	130	1.60
4	70	2.13
5	50	2.66

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.97	0.95	0.92	0.89	0.86
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
5W 250mA 9-21V phase-cut dim		9-21V	69·34·22	90226201
7.2W 250mA 16-29V phase-cut dim		16-29V	122·41·23	90226401
13W 250mA 2.5-52V DALI-2		2.5-52V	144·33·21	90246501
10W 250mA 6-40V DALI		6-40V	124·31·21	90249402