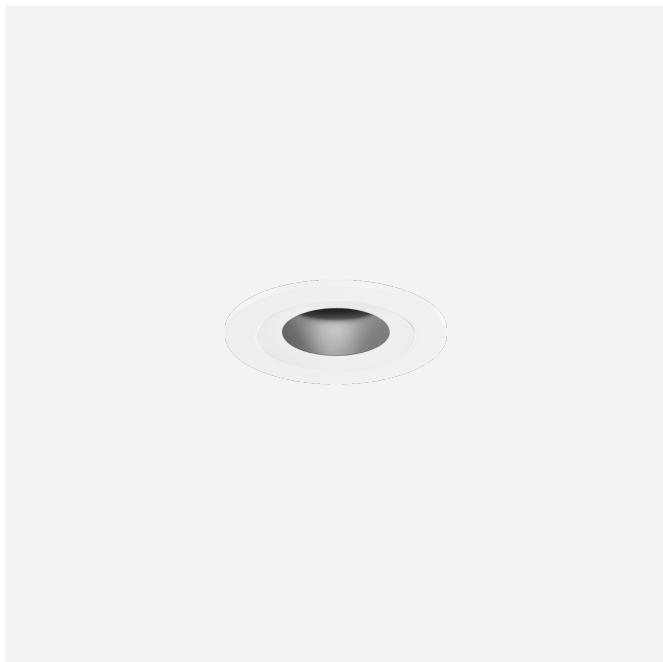
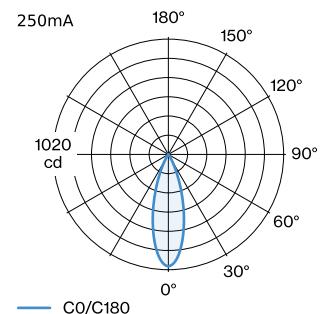



PROJECT
TYPE
NOTES
QUANTITY
DATE


Round ceiling recessed downlight made from die-cast aluminium; with trim; surface White Matt; powder coated, matt texture; RAL 9010; 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 IP44; Class 3; driver not included; light source not replaceable;


LUMINAIRE
Ceiling
Recessed
White Matt
RAL 9010 ^a
front IP44
back IP20
Interior
325 lm
LIGHT DISTRIBUTION

LED Module
3000 K
CRI ≥ 90
L80 / 50000h
 ≤ 2 SDCM (initial MacAdam)
Optical
Medium (standard)
beam angle 32°
CIE flux code: 98 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


CONE DIAGRAM

medium (standard) 250mA

h (m)	E0° (lx)	ø (m)
1	990	0.56
2	248	1.13
3	110	1.69
4	62	2.26
5	40	2.82

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	RSMFa	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMFa	Luminaire 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