



**PROJECT** \_\_\_\_\_

**TYPE** \_\_\_\_\_

**NOTES** \_\_\_\_\_

**QUANTITY** \_\_\_\_\_

**DATE** \_\_\_\_\_



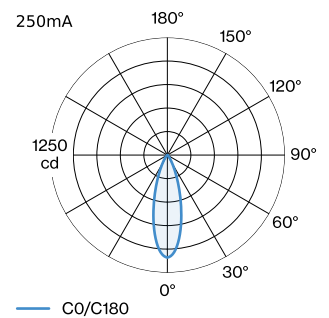
**GENERAL**

Ceiling \_\_\_\_\_  
 Recessed \_\_\_\_\_  
 White Matt \_\_\_\_\_  
 RAL 9010 <sup>a</sup> \_\_\_\_\_  
 front IP44 \_\_\_\_\_  
 back IP20 \_\_\_\_\_  
 IC rated \_\_\_\_\_  
 Interior \_\_\_\_\_  
 CIE flux code: 95 99 100 100 100 \_\_\_\_\_

**MEASURED DRIVER**

250mA \_\_\_\_\_  
 400 lm \_\_\_\_\_  
 5.6 W \_\_\_\_\_

**LIGHT DISTRIBUTION**



**LED**

3000 K \_\_\_\_\_  
 CRI ≥ 90 \_\_\_\_\_  
 L80 / 50000 h \_\_\_\_\_  
 initial MacAdam ≤ 2 SDCM \_\_\_\_\_

**OPTICAL**

Standard \_\_\_\_\_  
 beam angle 32° \_\_\_\_\_

**ELECTRICAL**

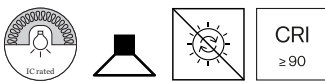
excl. driver \_\_\_\_\_  
 18 V \_\_\_\_\_  
 inset 4.2 W \_\_\_\_\_  
 Class 3 \_\_\_\_\_

**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 \_\_\_\_\_



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; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90; beam angle 32°; degree of protection IP44; Class 3; IC rated; driver not included; light source not replaceable;



<sup>a</sup> Colour may deviate slightly due to production conditions.



## CONE DIAGRAM

standard 31° 250mA

h (m)	E0° (lx)	ø (m)
1	1090	0.55
2	270	1.10
3	120	1.65
4	70	2.20
5	40	2.76

## Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.96	0.92	0.88	0.84	0.81
LSF	1	1	1	1	1

MF  $LMF \times RSMF \times LLMF \times LSF$

MF Maintenance Factor

LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor

LLMF Lamp Lumens Maintenance Factor

LSF Lamp Survival Factor

<sup>a</sup>According 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	Voltage	L·W·H (MM)	Item number
5W   250mA   13-26V   phase-cut dim	13-26V	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