



**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

**DATE**



Round ceiling recessed downlight made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9005; installation without tools using wire springs; suitable for ceiling thickness of 4-25 mm; recessed depth 85 mm; beam angle 31°; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; UGR  $\leq 16$ ; degree of protection IP20; Class 3; IC rated; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



51

ø57

**GENERAL**

Ceiling  
Recessed  
Black Matt  
RAL 9005 <sup>a</sup>  
IP20  
IC rated  
Interior  
CIE flux code: 99 100 100 100 100

**LED**

3000 K  
CRI  $\geq 90$   
L80 / 50000 h  
initial MacAdam  $\leq 2$  SDCM

**OPTICAL**

Standard  
beam angle 31°

**ELECTRICAL**

excl. driver  
17 V  
inset 4.2 W  
Class 3

**PHYSICAL**

diameter 57 mm  
height 51 mm  
0.07 kg  
wire springs

**CUTOUT**

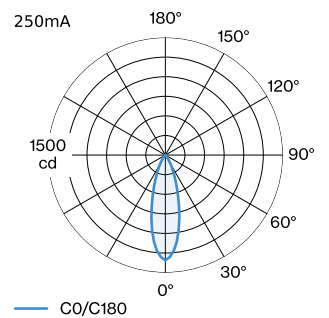
diameter 50-52 mm  
min. ceiling thickness 4 mm  
max. ceiling thickness 25 mm  
recessed depth 85 mm

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

**MEASURED DRIVER**

250mA  
460 lm  
5.6 W

**LIGHT DISTRIBUTION**





## CONE DIAGRAM

standard 30° 250mA

h (m)	E0° (lx)	ø (m)
1	1340	0.54
2	340	1.07
3	150	1.61
4	80	2.15
5	50	2.68

## Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.96	0.92	0.88	0.85	0.81
LSF	1	1	1	1	1

MF LMF × RSMF × LLMF × 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