



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 2700 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; UGR ≤ 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;



GENERAL

Ceiling
 Recessed
 Black Matt
 RAL 9005^a
 IP20
 IC rated
 Interior
 CIE flux code: 99 100 100 100 100

LED

2700 K
 CRI ≥ 90
 L80 / 50000 h
 initial MacAdam ≤ 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

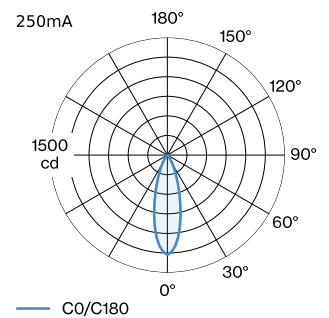
diameter 50-52 mm
 min. ceiling thickness 4 mm
 max. ceiling thickness 25 mm
 recessed depth 85 mm

^a Colour may deviate slightly due to production conditions.

MEASURED DRIVER

250mA
 435 lm
 5.6 W

LIGHT DISTRIBUTION



[165161B3] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of Wever & Ducré BV apply.



CONE DIAGRAM

standard 30° 250mA

h (m)	E0° (lx)	ø (m)
1	1270	0.54
2	320	1.07
3	140	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^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	Voltage	L·W·H (MM)	Item number
5W 250mA 13-26V	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	2.5-52V	144-33-21	90246501