



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 blade springs; recessed depth 85 mm; beam angle 31°; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 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

3000 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
blade springs

CUTOUT

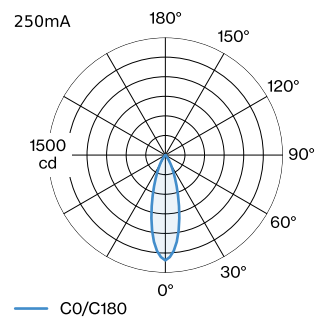
diameter 51-54 mm
min. ceiling thickness 4 mm
recessed depth 85 mm

^a 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^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 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