



PROJECT _____

TYPE _____

NOTES _____

QUANTITY _____

DATE _____



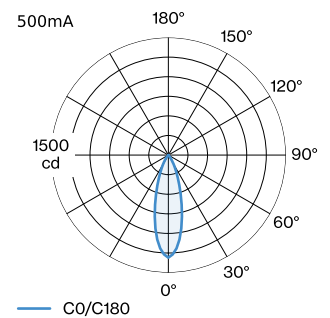
GENERAL

Ceiling _____
 Recessed _____
 Black Matt _____
 RAL 9005 ^a _____
 IP65 _____
 IC rated _____
 Exterior _____
 CIE flux code: 99 100 100 100 100 _____

MEASURED DRIVER

500mA _____
 450 lm _____
 5.5 W _____

LIGHT DISTRIBUTION



LED

3000 K _____
 CRI ≥ 90 _____
 L80 / 55000h _____
 initial MacAdam ≤ 2 SDCM _____

OPTICAL

Standard _____
 beam angle 30° _____

ELECTRICAL

excl. driver _____
 8 V _____
 inset 4.1 W _____
 Class 3 _____

PHYSICAL

diameter 57 mm _____
 height 55 mm _____
 0.09 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.



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 30°; 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 IP65; Class 3; IC rated; driver not included; light source not replaceable;





CONE DIAGRAM

standard 30° 500mA

h (m)	E0° (lx)	ø (m)
1	1310	0.54
2	330	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 $LMF \times RSMF \times LLMF \times LSF$

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
6W 500mA 3-12V	3-12V	68-35-21	90214201
7W 500mA 5-14.5V IP67	5-14.5V	57-41-24	90214301
6.5W 500mA 7-13V phase-cut dim	7-13V	122-41-23	90224301