



PROJECT _____

TYPE _____

NOTES _____

QUANTITY _____

DATE _____



Round ceiling recessed downlight made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9011; installation without tools using blade 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; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90; UGR ≤ 16; degree of protection IP65; Class 3; IC rated; driver not included; light source not replaceable;



LUMINAIRE

Ceiling _____
 Recessed _____
 Black Matt _____
 RAL 9011 ^a _____
 IP65 _____
 IC rated _____
 Exterior _____
 450 lm / 500mA _____

LED Module

3000 K _____
 CRI ≥ 90 _____
 L80 / 55000h _____
 ≤ 2 SDCM (initial MacAdam) _____
 555 lm / 500mA _____
 135 lm/W ^b _____
 4.1 W ^b _____

Optical

Medium (standard) _____
 beam angle 30° _____
 CIE flux code: 99 100 100 100 _____
 100 _____

Electrical

excl. driver _____
 8 V _____
 Class III _____
 Standard _____

Physical

diameter 57 mm _____
 height 55 mm _____
 0.09 kg _____
 blade springs _____

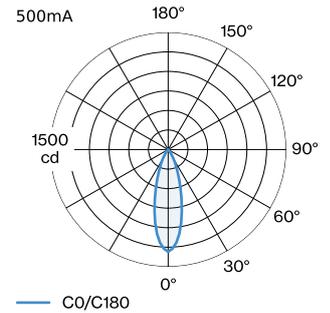
Cutout

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

datasheet.quicksum.material

Aluminium _____

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions
^b Without electrical and optical losses



CONE DIAGRAM

medium (standard) 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	$LMF \times RSMF \times LLMF \times LSF$	RSMF ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire 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	Colour	Voltage	L·W·H (MM)	Item number
7W 500mA 5-14.5V IP67		5-14.5V	57·41·24	90214301