



PROJECT

TYPE

NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; surface Bronze; powder coated; matt texture; RAL 075 30 10; installation without tools using blade springs; 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
Bronze
RAL 075 30 10 ^a
IP65
IC rated
Exterior
450 lm / 500mA

LED Module

3000 K
CRI ≥ 90
L80 / 55000h
 ≤ 2 SDCM (initial MacAdam)
554 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

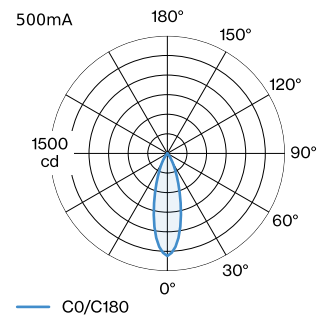
Physical

diameter 57 mm
height 55 mm
0.09 kg
blade springs

Cutout

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

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 × 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	Colour	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