


**PROJECT**
**TYPE**
**NOTES**
**QUANTITY**
**DATE**


Round ceiling recessed downlight made from die-cast aluminium; surface White Matt; powder coated; matt texture; RAL 9010; 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 2700 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;



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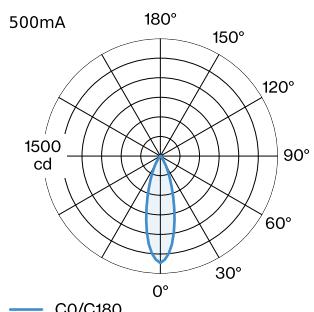
ø57

**GENERAL**

Ceiling  
Recessed  
White Matt  
RAL 9010 <sup>a</sup>  
IP65  
IC rated  
Exterior  
CIE flux code: 99 100 100 100  
100

**OUTPUT**

500mA  
470 lm  
5.5 W

**LIGHT DISTRIBUTION**

**LED**

2700 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

<sup>a</sup> Colour may deviate slightly due to production conditions.


**CONE DIAGRAM**

standard 30° 500mA

h (m)	E0° (lx)	ø (m)
1	1360	0.54
2	340	1.07
3	150	1.61
4	90	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	RSMFa	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMFa	Luminaire Maintenance Factor	LSF	Lamp Survival Factor

<sup>a</sup>According 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