



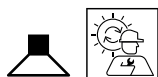
PROJECT

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 4-38 mm; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 15°; degree of protection IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



LUMINAIRE

Ceiling
Recessed
White Matt
RAL 9010 ^a
IP20
Interior
880 lm / 500mA
655 lm / 350mA

LED Module

3000 K
CRI ≥ 90
L80 / 55000h
 ≤ 2 SDCM (initial MacAdam)
790 lm / 350mA
132 lm/W ^b
6 W ^b

Optical

Narrow
beam angle 15°
CIE flux code: 88 99 100 100 100

Electrical

excl. driver
17 V
Class III
Standard

Physical

diameter 84 mm
height 86 mm
0.17 kg
wire springs

Cutout

diameter 76-79 mm
min. ceiling thickness 4 mm
max. ceiling thickness 38 mm
recessed depth 90 mm

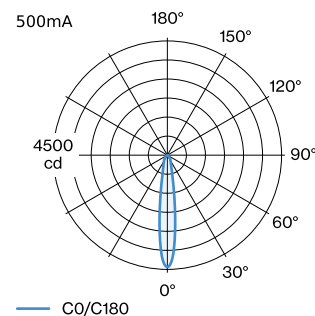
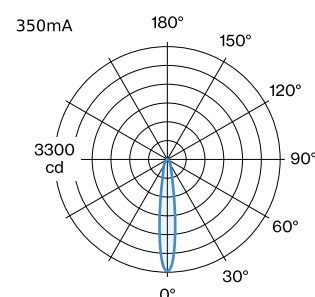
datasheet.quicksum.material

Aluminium

^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses

LIGHT DISTRIBUTION





CONE DIAGRAM

narrow 16° 350mA			narrow 16° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	3270	0.28	1	4410	0.28
2	820	0.55	2	1100	0.55
3	360	0.83	3	490	0.83
4	200	1.11	4	280	1.11
5	130	1.39	5	180	1.39

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
10W 500mA 13-20V		13-20V	60·39·20	90214406
10W 500mA 12-21V phase-cut dim		12-21V	115·41·25	90224403
15W 500mA 10-31V DALI-2 push dim		10-31V	166·29·21	90244501