



PROJECT

TYPE

NOTES

QUANTITY

DATE



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 4-38 mm; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; beam angle 34°; degree of protection from below IP44; from above IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



GENERAL

Ceiling	
Recessed	
Black Matt	
RAL 9005 ^a	
front IP44	
back IP20	
Interior	
CIE flux code: 98 100 100 100 100	

LED

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

OPTICAL

Standard	
beam angle 34°	

ELECTRICAL

excl. driver	
17 V	
inset 6.0 / 8.8 W	
Class 3	

PHYSICAL

diameter 84 mm	
height 90 mm	
0.17 kg	
wire springs	

CUTOUT

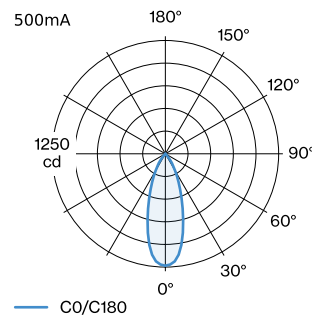
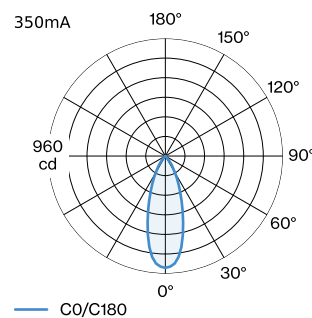
diameter 76-79 mm	
min. ceiling thickness 4 mm	
max. ceiling thickness 38 mm	
recessed depth 90 mm	

^a Colour may deviate slightly due to production conditions.

OUTPUT

350mA	
420 lm	
8.3 W	
500mA	
570 lm	
12.2 W	

LIGHT DISTRIBUTION





CONE DIAGRAM

standard 36° 350mA			standard 36° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	913	0.65	1	1230	0.65
2	228	1.29	2	310	1.29
3	101	1.94	3	140	1.94
4	57	2.58	4	80	2.58
5	37	3.23	5	50	3.23

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.96	0.92	0.89	0.85	0.82
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	Voltage	L·W·H (MM)	Item number
10W 500mA 11-20V	11-20V	100-43-23	90214405
10W 500mA 13-20V	13-20V	65-39-20	90214406
24W 500mA 5-49V IP68	5-49V	122-54-26	90214702
10W 500mA 3-20V phase-cut dim	3-20V	102-49-29	90224402
10W 500mA 12-21V phase-cut dim	12-21V	115-41-25	90224403
20W 500mA 3-40V DALI	3-40V	116-40-5-22	90244604
24W 500mA 6-49V DALI-2	6-49V	143-43-30	90244701