



## 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; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; beam angle 34°; degree of protection IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;

## GENERAL

Ceiling	
Recessed	
White Matt	
RAL 9010 <sup>a</sup>	
IP20	
Interior	
CIE flux code: 92 97 99 100 100	

## LED

3000 K	
CRI $\geq 90$	
L80 / 55000h	
initial MacAdam $\leq 2$ SDCM	

## OPTICAL

Standard	
beam angle 34°	

## ELECTRICAL

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

## PHYSICAL

diameter 84 mm	
height 86 mm	
0.17 kg	
blade springs	

## CUTOUT

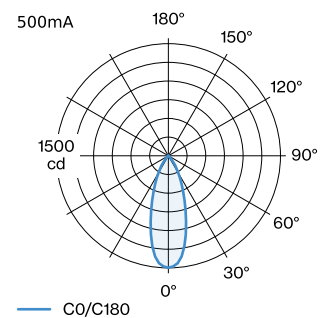
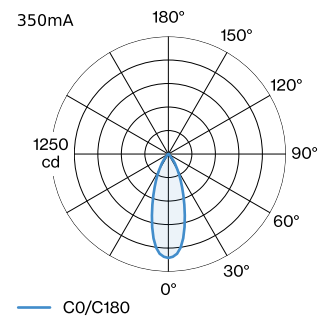
diameter 76-79 mm	
min. ceiling thickness 10 mm	
recessed depth 90 mm	

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

## OUTPUT

500mA	
745 lm	
12.2 W	
350mA	
550 lm	
8.3 W	

## LIGHT DISTRIBUTION





## CONE DIAGRAM

standard 36° 350mA			standard 36° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	1100	0.64	1	1500	0.64
2	280	1.29	2	370	1.29
3	120	1.93	3	170	1.93
4	70	2.57	4	90	2.57
5	40	3.22	5	60	3.22

## 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<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor

LLMF Lamp Lumens 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
10W   500mA   11-20V	11-20V	100-43-23	90214405
10W   500mA   13-20V	13-20V	65-39-20	90214406
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