



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 blade springs; recessed depth 90 mm; beam angle 33°; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; degree of protection IP65; Class 3; IC rated; UGR ≤ 19 ; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



GENERAL

Ceiling
Recessed
White Matt
RAL 9010 ^a
IP65
IC rated
Exterior
CIE flux code: 92 97 99 100 100

LED

2700 K
CRI ≥ 90
L80 / 55000h
initial MacAdam ≤ 2 SDCM

OPTICAL

Standard
beam angle 33°

ELECTRICAL

excl. driver
17 V
inset 5.9 / 8.8 W
Class 3

PHYSICAL

diameter 95 mm
height 73 mm
0.24 kg
blade springs

CUTOUT

diameter 86-89 mm
min. ceiling thickness 10 mm
recessed depth 90 mm

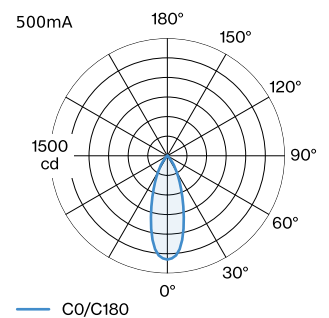
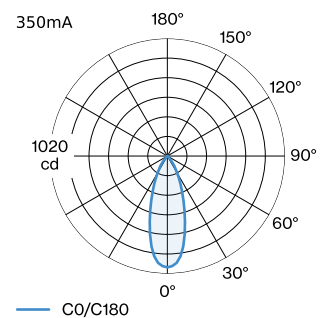
^a Colour may deviate slightly due to production conditions.

OUTPUT

350mA
480 lm
7.9 W

500mA
660 lm
11.7 W

LIGHT DISTRIBUTION





CONE DIAGRAM

standard 36° 350mA			standard 36° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	966	0.64	1	1320	0.64
2	242	1.29	2	330	1.29
3	107	1.93	3	150	1.93
4	60	2.57	4	80	2.57
5	39	3.22	5	50	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^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
17W 350mA 5-49V IP68	5-49V	122·54·26	90213602
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