



PROJECT

TYPE

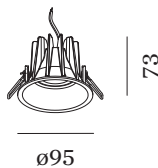
NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9011; installation without tools using wire springs; suitable for ceiling thickness of 4-27 mm; recessed depth 90 mm; beam angle 33°; with COB (Chip on Board) technology for maximum efficiency; light colour 3000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; degree of protection IP65; Class 3; IC rated; UGR ≤ 13 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 1500 cd/m²; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



GENERAL

Ceiling
Recessed
Black Matt
RAL 9011^a
IP65
IC rated
Exterior
CIE flux code: 98 100 100 100 100

LED

3000 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
wire springs

CUTOUT

diameter 86-89 mm
min. ceiling thickness 4 mm
max. ceiling thickness 27 mm
recessed depth 90 mm

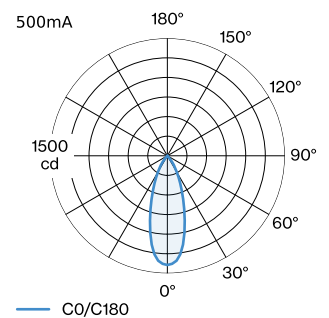
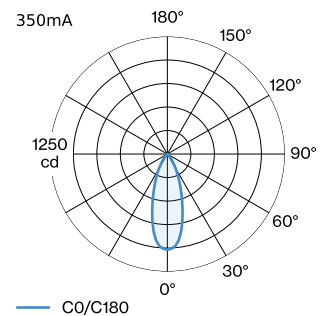
^a Colour may deviate slightly due to production conditions.

OUTPUT

500mA
640 lm
11.7 W

350mA
470 lm
7.9 W

LIGHT DISTRIBUTION





CONE DIAGRAM

standard 36° 350mA			standard 36° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	1020	0.65	1	1390	0.65
2	250	1.29	2	350	1.29
3	110	1.94	3	150	1.94
4	60	2.58	4	90	2.58
5	40	3.23	5	60	3.23

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