



PROJECT

TYPE

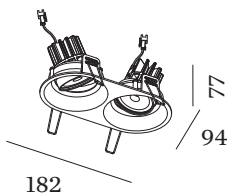
NOTES

QUANTITY

DATE



Oval ceiling recessed downlight made from die-cast aluminium; adjustable; surface Black Matt; powder coated, matt texture; RAL 9011; installation without tools using wire springs; suitable for ceiling thickness of 4-23 mm; recessed depth 90 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2000 K - 3000 K colour warm dimming; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; beam angle 38°; 355° rotatable and 35° tiltable; degree of protection IP20; Class 3; IC rated; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



GENERAL

Ceiling
Recessed
tilt max 35°
rotation 355°
Black Matt
RAL 9011^a
IP20
Interior
CIE flux code: 87 98 100 100 100

LED

colour warm dimming
2000 K - 3000 K
CRI ≥ 90
L70 / 50000h
initial MacAdam ≤ 3 SDCM

OPTICAL

Standard
beam angle 38°

ELECTRICAL

excl. driver
17 V
inset 6.1 / 9.0 W
inset 12.1 / 18.0 W
Class 3

PHYSICAL

length 182 mm
width 94 mm
height 77 mm
0.61 kg
wire springs

CUTOUT

min. ceiling thickness 4 mm
max. ceiling thickness 23 mm
recessed depth 90 mm
Cut out: 89 x 172-178

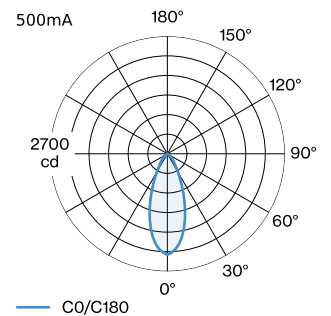
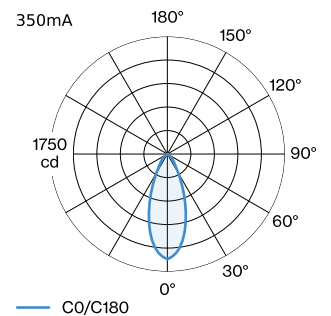
^a Colour may deviate slightly due to production conditions.

OUTPUT

350mA
935 lm
14.8 W

500mA
1380 lm
22 W

LIGHT DISTRIBUTION





CONE DIAGRAM

standard 40° 350mA standard 40° 500mA

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	783	0.72	1	1160	0.72
2	196	1.44	2	290	1.44
3	87	2.17	3	130	2.17
4	49	2.89	4	70	2.89
5	31	3.61	5	50	3.61

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.95	0.91	0.86	0.82	0.77
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
17.5 - 20W		102-51-30	90218601
20W 500mA 26-38V phase-cut dim	26-38V	138-44-30	90224602
20W 500mA 3-40V DALI	3-40V	116-40.5-22	90244604
24W 500mA 6-49V DALI-2	6-49V	143-43-30	90244701

OTHER ACCESSORIES

Metal spring clip

Type	Ø (MM)	Item number
MR16 LED PAR16 max. 12W	59	90019700

Spring clip

Type	Colour	Ø (MM)	Item number
MR16 LED PAR16 max. 12W	Black	59	900198B0
MR16 LED PAR16 max. 12W	White	59	900198W0