



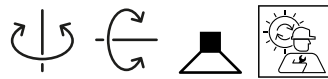
PROJECT

TYPE

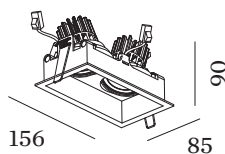
NOTES

QUANTITY

DATE



Rectangular 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 2-18 mm; recessed depth 95 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; 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: 91 97 99 100 100

OUTPUT

350mA
840 lm
14.8 W

500mA
1250 lm
22 W

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

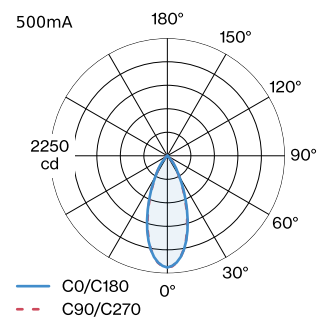
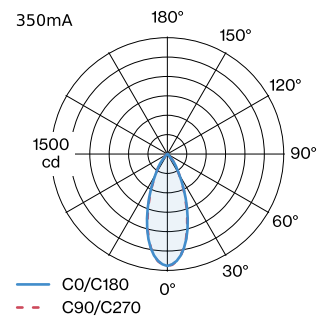
PHYSICAL

length 156 mm
width 85 mm
height 90 mm
0.48 kg
wire springs

CUTOUT

length 74 mm
width 148 mm
min. ceiling thickness 2 mm
max. ceiling thickness 18 mm
recessed depth 95 mm

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions.



CONE DIAGRAM

standard 41° 350mA standard 41° 500mA

h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	721	0.74	1	1070	0.74
2	180	1.49	2	270	1.49
3	80	2.23	3	120	2.23
4	45	2.97	4	70	2.97
5	29	3.72	5	40	3.72

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	Bronze	59	900198Q0
MR16 LED PAR16 max. 12W	Silver	59	900198S0
MR16 LED PAR16 max. 12W	White	59	900198W0