WEVER & DUCRÉ LIGHTING

PLANO 1.0 LED

118561W9

PROJECT

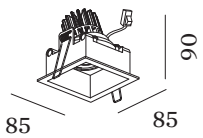
TYPE

NOTES

QUANTITY

DATE

Squared ceiling recessed downlight made from die-cast aluminium; adjustable; surface White Matt; powder coated, matt texture; RAL 9010; 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 °
White Matt
RAL 9010 [a]
IP20
Interior
CIE flux code: 92 97 99 100 100

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
Class 3

PHYSICAL

length 85 mm
width 85 mm
height 90 mm
0.26 kg
wire springs

CUTOUT

length 74 mm
width 78 mm
min. ceiling thickness 2 mm
max. ceiling thickness 18 mm
recessed depth 95 mm

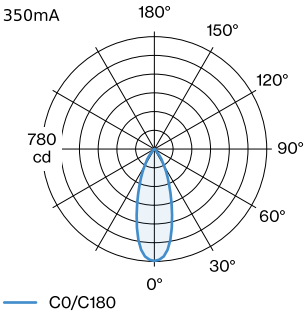
[a] Colour may deviate slightly due to production conditions.

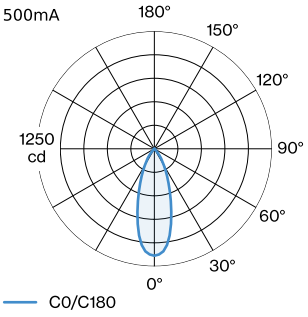
OUTPUT

500mA
565 lm
12.5 W

350mA
385 lm
8.4 W

LIGHT DISTRIBUTION





['118561W9'] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of Wever & Ducré BV apply.

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CONE DIAGRAM

standard 36° 350mA

h (m)	E0° (lx)	ø (m)
1	777	0.64
2	194	1.29
3	86	1.93
4	49	2.57
5	31	3.22

standard 36° 500mA

h (m)	E0° (lx)	ø (m)
1	1140	0.64
2	280	1.29
3	130	1.93
4	70	2.57
5	50	3.22

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	RSMF[a]	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF[a]	Luminaire Maintenance Factor	LSF	Lamp Survival Factor

[a]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

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

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