WEVER & DUCRÉ LIGHTING

PLANO IP44 1.0 LED

118841B3

PROJECT

TYPE

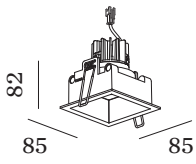
NOTES

QUANTITY

DATE



Squared 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 4-30 mm; recessed depth 90mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90; beam angle 15°; degree of protection from below IP44; from above IP20; Class 3; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



LUMINAIRE

Ceiling
Recessed
Black Matt
RAL 9011 [a]
front IP44
back IP20
Interior
695 lm / 500mA
520 lm / 350mA

LED MODULE

2700 K
CRI ≥ 90
L80 / 55000h
≤ 2 SDCM (initial MacAdam)
750 lm / 350mA
125 lm/W [b]
6 W [b]

OPTICAL

Narrow
beam angle 15°
CIE flux code: 95 100 100 100 100

ELECTRICAL

excl. driver
17 V
Class III

PHYSICAL

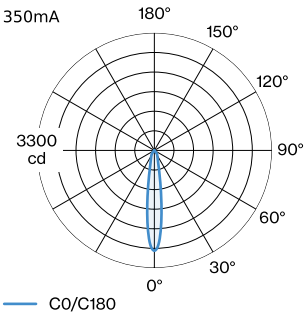
length 85 mm
width 85 mm
height 89 mm
0.21 kg
wire springs

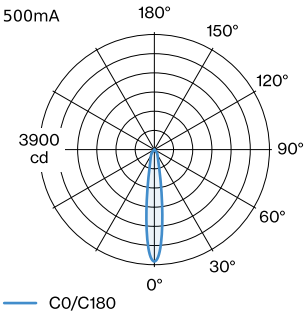
CUTOUT

length 76 mm
width 78 mm
min. ceiling thickness 4 mm
max. ceiling thickness 30 mm
recessed depth 90 mm

[a] Colour may deviate slightly due to production conditions
[b] Without electrical and optical losses

LIGHT DISTRIBUTION





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CONE DIAGRAM

narrow 16° 350mA

h (m)	E0° (lx)	ø (m)
1	2820	0.28
2	700	0.56
3	310	0.84
4	180	1.12
5	110	1.41

narrow 16° 500mA

h (m)	E0° (lx)	ø (m)
1	3790	0.28
2	950	0.56
3	420	0.84
4	240	1.12
5	150	1.41

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.99	0.98	0.97	0.96	0.95
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

[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	COLOUR	VOLTAGE	L·W·H (MM)	ITEM NUMBER
6.3W | 350mA | 8.6-18V | 100-240VAC		8.6-18V	66·39·22	90213303
10W | 500mA | 13-20V | 220-240VAC		13-20V	60·39·20	90214406
10W | 500mA | 10-20V | 100-277VAC		10-20V	60·40·24	90214407
8W | 350mA | 12-24V | phase cut TE | IP65 | 110-277VAC		12-24V	44·27·20	90223303
10W | 500mA | 12-21V | phase-cut dim | 220-240VAC		12-21V	115·41·25	90224403
30W | 500mA | 10-42V | phase cut TE | IP65 | 110-277VAC		10-42V	80·36·25	90224405
15W | 500mA | 10-31V | DALI-2 push dim | 220-240VAC		10-31V	166·29·21	90244501

['118841B3'] 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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