WEVER & DUCRÉ LIGHTING

LINOO 4.0

109161BB9

PROJECT

TYPE

NOTES

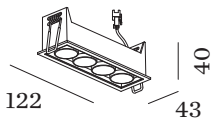
QUANTITY

DATE





Rectangular ceiling recessed downlight made from die-cast aluminium; with trim; with 4 spotlights; surface Black Matt powder coated; matt texture; with reflector made from plastic in Glossy Black; installation without tools using wire springs; suitable for ceiling thickness of 4-28 mm; recessed depth 60mm; PCB; light colour selectable via dip switch (2700K / 3000K); to be set before installation; beam angle 35°; degree of protection IP20; Class 3; UGR ≤ 16; 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;



LUMINAIRE

Ceiling
Recessed
Reflector: Black
RAL 9011 + No matching RAL [a]
IP20
Interior
500 lm / 3000 K
500 lm / 2700 K

LED MODULE

2700 K / 3000 K
CRI ≥ 90
L80 / 50000h
≤ 3 SDCM (initial MacAdam)
1020 lm
132 lm/W [b]

OPTICAL

Medium (standard)
beam angle 35°
UGR ≤ 16
CIE flux code: 95 100 100 100 100
≥65° < 1500 cd/m²

ELECTRICAL

excl. driver
22 V
Class III

PHYSICAL

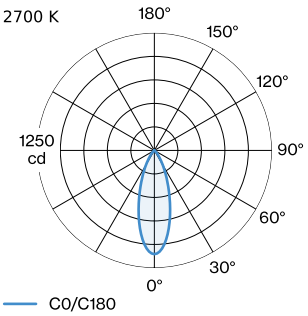
length 122 mm
width 43 mm
height 40 mm
0.12 kg
wire springs

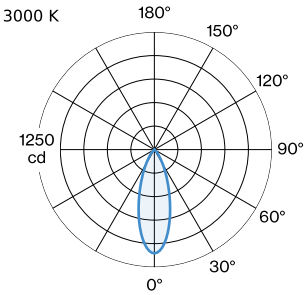
CUTOUT

length 117 mm
width 36 mm
min. ceiling thickness 4 mm
max. ceiling thickness 28 mm
recessed depth 60 mm

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

LIGHT DISTRIBUTION





Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.95	0.92	0.88	0.84	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

[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
8.4W | 350mA | 11-24V | 100-277VAC		11-24V	60·40·24	90213304
8W | 350mA | 12-24V | phase cut TE | IP65 | 110-277VAC		12-24V	44·27·20	90223303
10W | 350mA | 13-26V | phase-cut dim | 220-240VAC		13-26V	115·41·25	90223406
14W | 350mA | 10-40V | DALI-2 push dim | 220-240VAC		10-40V	166·29·21	90243502

['109161BB9'] 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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