WEVER & DUCRÉ LIGHTING

LINOO 8.0

109361BB9

PROJECT

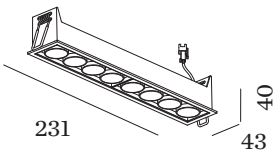
TYPE

NOTES

QUANTITY

DATE

Rectangular ceiling recessed downlight made from die-cast aluminium; with trim; with 8 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
970 lm / 2700 K
970 lm / 3000 K

LED MODULE

2700 K / 3000 K
CRI ≥ 90
L80 / 50000h
≤ 3 SDCM (initial MacAdam)
1980 lm
129 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

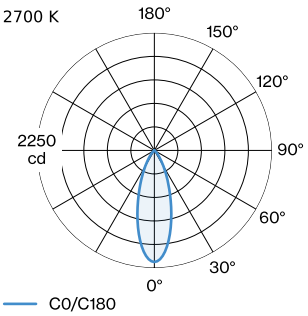
length 231 mm
width 43 mm
height 40 mm
0.21 kg
wire springs

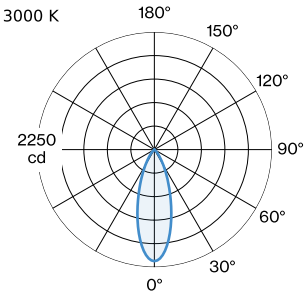
CUTOUT

length 226 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
15.4W | 700mA | 12-22V | 100-277VAC		12-22V	63·40·23	90215501
20W | 700mA | 15-28V | phase-cut dim | 220-240VAC		15-28V	138·44·30	90225604
30W | 700mA | 10-42V | phase cut TE | IP65 | 110-277VAC		10-42V	80·36·25	90225703
28W | 700mA | 6-40V | DALI-2 | 220-240VAC		6-40V	97·43·30	90245704

['109361BB9'] 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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