



PROJECT

TYPE

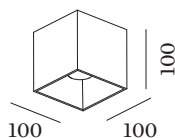
NOTES

QUANTITY

DATE



Squared ceiling surface mounted downlight made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2000 - 3000 K colour warm dimming; ≤ 3 SDCM (initial MacAdam); CRI ≥ 90 ; 220 - 240 V; degree of protection IP20; Class I; UGR ≤ 13 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 1500 \text{ cd/m}^2$; optional single inner reflector and single inner cover available; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;



LUMINAIRE

Ceiling
Surface
Black Matt
RAL 9011^a
IP20
Interior
400 lm

LED Module

colour warm dimming
2000 - 3000 K
CRI ≥ 90
L70 / 50000h
 ≤ 3 SDCM (initial MacAdam)
545 lm
90 lm/W^b

Optical

Medium (standard)
beam angle 21°
UGR ≤ 13
CIE flux code: 94 100 100 100
 $\geq 65^\circ < 1500 \text{ cd/m}^2$

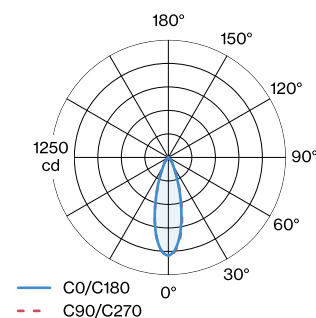
Electrical

phase-cut dim
220 - 240 V
system 8.1 W
Class I
Standard

Physical

length 100 mm
width 100 mm
height 100 mm
0.74 kg

LIGHT DISTRIBUTION



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



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.

OPTICAL ACCESSORIES

Single Inner Cover

Type	Colour	Voltage	L·W·H (MM)	Item number
BOX max. 10W	Black		62-62-49	911011B1
BOX max. 10W	Gold		62-62-49	911011G1
BOX max. 10W	Champagne		62-62-49	911011M1
BOX max. 10W	White		62-62-49	911011W1

Single Inner Reflector

Type	Colour	Voltage	L·W·H (MM)	Item number
BOX max. 10W	Black		93.5-93.5-50.5	911211B1
BOX max. 10W	Gold		93.5-93.5-50.5	911211G1
BOX max. 10W	Champagne		93.5-93.5-50.5	911211M1
BOX max. 10W	White		93.5-93.5-50.5	911211W1