



PROJECT

TYPE

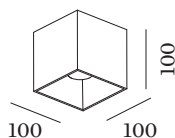
NOTES

QUANTITY

DATE



Squared ceiling surface mounted downlight made from die-cast aluminium; surface Bronze Brushed; RAL 7013; 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 & Ducreé or by a professional with explicit authorization; control gear replaceable by end-user;



LUMINAIRE

Ceiling
Surface
Bronze Brushed
RAL 7013 ^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
 $\geq 65^\circ < 1500 \text{ cd/m}^2$

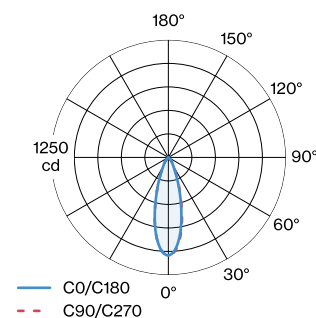
Electrical

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