



PROJECT

TYPE

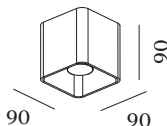
NOTES

QUANTITY

DATE



Squared ceiling surface mounted downlight made from die-cast aluminium; rounded edges; surface Black Matt; powder coated; matt texture; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; ≤ 3 SDCM (initial MacAdam); CRI ≥ 90 ; 220 - 240 V; degree of protection IP20; Class 1; UGR ≤ 16 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 3000 \text{ cd/m}^2$; optional single inner cover available; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



LUMINAIRE

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

LED Module

2700 K
CRI ≥ 90
L70 / 50000h
 ≤ 3 SDCM (initial MacAdam)
730 lm
91 lm/W ^b

Optical

Medium (standard)
beam angle 21°
UGR ≤ 16
CIE flux code: 93 99 100 100 100
 $\geq 65^\circ < 3000 \text{ cd/m}^2$

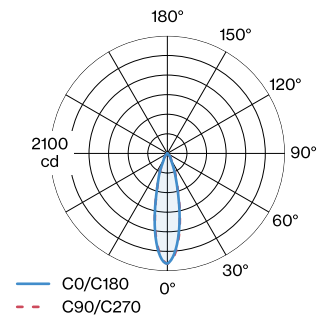
Electrical

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

Physical

length 90 mm
width 90 mm
height 90 mm
0.63 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	0	0	0	0
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
DOCUS max. 10W	Black		62·62·39.5	911021B1
DOCUS max. 10W	Gold		62·62·39.5	911021G1
DOCUS max. 10W	White		62·62·39.5	911021W1