PROJECT

TYPE

NOTES

QUANTITY

DATE

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°
CIE flux code: 93 99 100 100 100

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

datasheet.quicksum.material

Aluminium

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

LIGHT DISTRIBUTION

2100 cd

— C0/C180
- - C90/C270
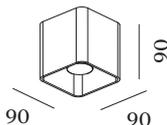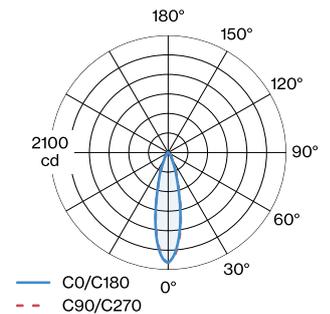
Squared ceiling surface mounted downlight made from die-cast aluminium; rounded edges; surface Black Matt; powder coated; matt texture; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; ≤ 3 SDCM (initial MacAdam); CRI ≥ 90; 220 - 240 V; degree of protection IP20; Class 1; UGR ≤ 16; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65° ≤ 3000 cd/m²; optional single inner cover available; light source replaceable by Wever & Ducré or by a professional with explicit authorization;

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	RSMF[a]	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF[a]	Luminaire 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.

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