



PROJECT

TYPE

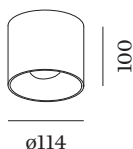
NOTES

QUANTITY

DATE



Cylindrical 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; DALI dim; light colour 3000 K; ≤ 3 SDCM (initial MacAdam); CRI ≥ 90 ; 220 - 240 V; degree of protection IP20; Class 1; 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 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
605 lm

LED Module

3000 K
CRI ≥ 90
L70 / 50000h
 ≤ 3 SDCM (initial MacAdam)
760 lm
94 lm/W^b

Optical

Medium (standard)
beam angle 21°
UGR ≤ 13
CIE flux code: 93 99 100 100
100
 $\geq 65^\circ < 1500 \text{ cd/m}^2$

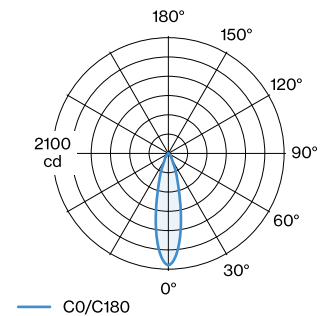
Electrical

DALI
220 - 240 V
system 8.1 W
Class I
Standard

Physical

diameter 114 mm
height 100 mm
0.7 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	$LMF \times RSMF \times LLMF \times LSF$	RSMF ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire 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	Ø-H (MM)	Item number
RAY max. 10W	Black		67-54	911041B1
RAY max. 10W	Gold		67-54	911041G1
RAY max. 10W	Champagne		67-54	911041M1
RAY max. 10W	White		67-54	911041W1