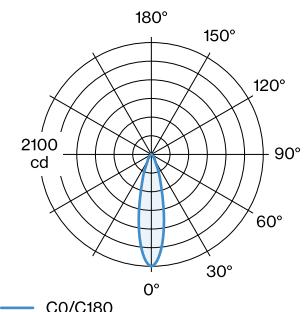



PROJECT
TYPE
NOTES
QUANTITY
DATE


Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface White Matt; powder coated; matt texture; RAL 9010; with COB (Chip on Board) technology for maximum efficiency; phase-cut 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° ≤ 1500 cd/m²; optional single inner cover available; light source replaceable by Wever & Ducré or by a professional with explicit authorization;

LUMINAIRE

Ceiling
Surface
White Matt
RAL 9010 ^a
IP20
Interior
630 lm

LIGHT DISTRIBUTION

LED Module

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

Optical

Medium (standard)
beam angle 21°
CIE flux code: 93 99 100 100
100

Electrical

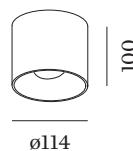
phase-cut dim
220 - 240 V
system 8.1 W
Class I

Physical

diameter 114 mm
height 100 mm
0.7 kg

^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	$LMF \times RSMF \times LLMF \times LSF$	RSMFa	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMFa	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	