WEVER & DUCRÉ LIGHTING

RAY 1.0 LED

186758P9

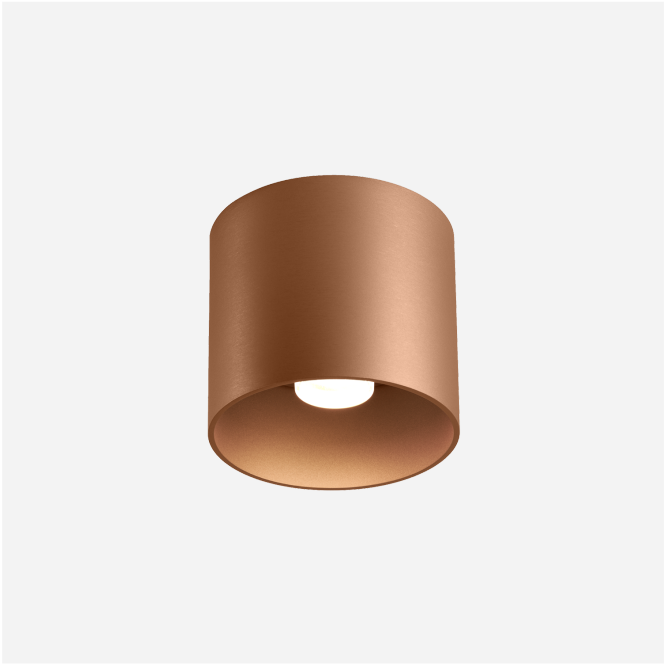
PROJECT

TYPE

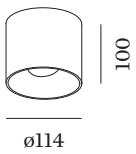
NOTES

QUANTITY

DATE



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Copper Brushed; No matching RAL; 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 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; control gear replaceable by end-user;



LUMINAIRE

Ceiling
Surface
Copper Brushed
No matching RAL
IP20
Interior
405 lm

LED MODULE

colour warm dimming
2000 - 3000 K
CRI ≥ 90
L70 / 50000h
≤ 3 SDCM (initial MacAdam)
545 lm
90 lm/W [a]

OPTICAL

Medium (standard)
beam angle 21°
UGR ≤ 13
CIE flux code: 92 99 100 100 100
≥65° < 1500 cd/m²

ELECTRICAL

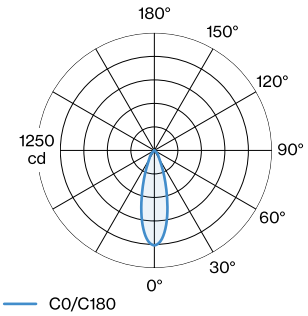
phase-cut dim
220 - 240 V
system 8.1 W
Class I

PHYSICAL

diameter 114 mm
height 100 mm
0.7 kg

[a] Without electrical and optical losses

LIGHT DISTRIBUTION



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

[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	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

['186758P9'] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of Wever & Ducré BV apply.

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