



WEVER & DUCRÉ
LIGHTING

RAY OUTDOOR 1.0

735464B4 911041B1

Project
Type
Notes
Quantity
Date

GENERAL

Ceiling
 Surface
 Black Matt
 Inset: Black
 RAL 9011 ^a
 IP65
 Exterior
 705 lm

LED

3000 K
 CRI \geq 90
 L70 / 50000 h
 3-step binning

OPTICAL

Flood
 Beam angle 21°

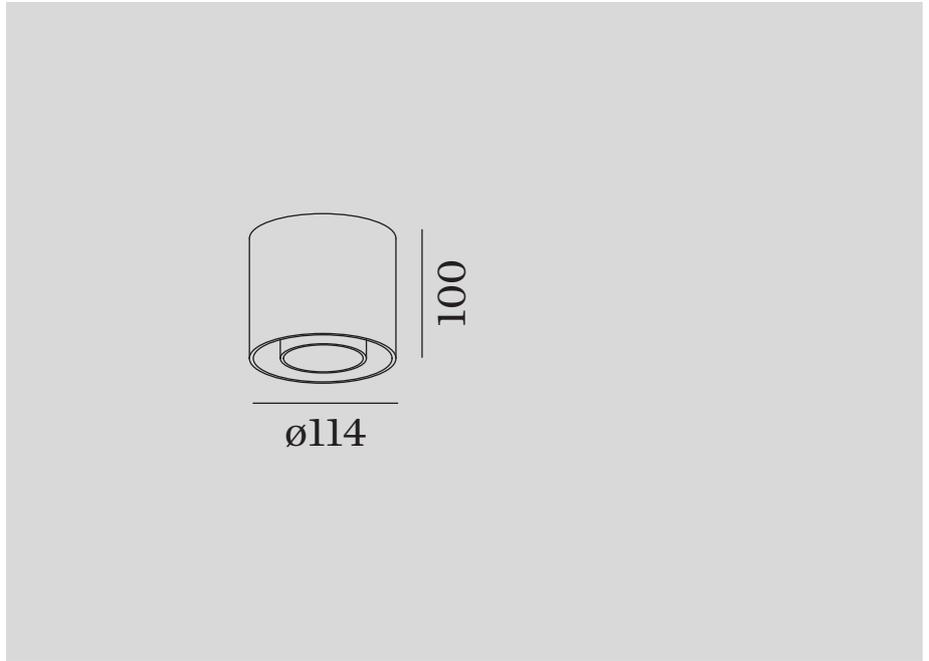
ELECTRICAL

phase-cut dim
 220 - 240 V
 Total connected power 8.0 W
 Class 1
 Safety distance 0.3 m

PHYSICAL

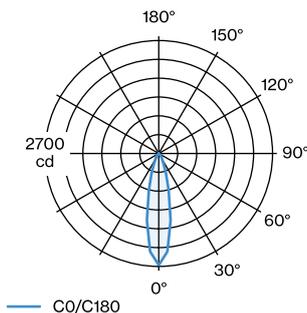
Diameter 114 mm
 Height 100 mm
 0.6 kg

^a Color may deviate slightly due to production conditions.



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9011; optional single inner reflector and single inner cover available; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 3000 K; binning initial MacAdam \leq 3 SDCM; CRI \geq 90; 220 - 240 V; degree of protection IP65; PC1; light source replaceable by an authorized professional;

LIGHT DISTRIBUTION



[735464B4', '911041B1'] 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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CONE DIAGRAM

flood 24°

h (m)	EO° (lx)	ø (m)
1	2670	0.43
2	670	0.85
3	300	1.28
4	170	1.70
5	110	2.13

Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.95	0.9	0.85	0.8	0.76
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 Faktor

^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

Single Inner Cover

TYPE	COLOUR	Ø-H (MM)	ORDERCODE
RAY max. 10W	Anthracite Grey	ø67-54	911041A1
RAY max. 10W	Black	ø67-54	911041B1
RAY max. 10W	Dark Grey Texture	ø67-54	911041D1
RAY max. 10W	White	ø67-54	911041W1