



WEVER & DUCRÉ  
LIGHTING

# RAY OUTDOOR 1.0

735458D9

Project

Type

Notes

Quantity

Date

## GENERAL

Ceiling, Surface

Grey Texture

RAL 9007<sup>a</sup>

IP65

Exterior

Output: 450 lm

CIE flux code: 95 99 100 100 100

## LED

colour warm dimming

3000 K - 3000 K

CRI  $\geq$  90

L70 / 60000 h

3 SDCM

## OPTICAL

Flood, Beam angle 32°

Pst LM  $\leq$  1.0

SVM  $\leq$  0.4

## ELECTRICAL

phase-cut dim

220 - 240 V

Total connected power 8.1 W

Class 1

## PHYSICAL

Diameter 114 mm

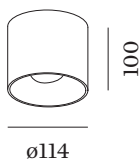
Height 100 mm

0.63 kg

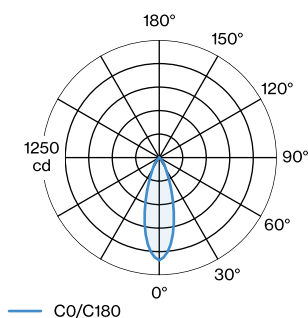
<sup>a</sup> Color may deviate slightly due to production conditions.



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Grey Texture; powder coated; matt texture; RAL 9007; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour colour warm dimming; binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  90; 220 - 240 V; degree of protection IP65; PC1; optional single inner cover available; light source replaceable by an authorized professional; control gear replaceable by end-user;



## LIGHT DISTRIBUTION





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## CONE DIAGRAM

flood 32°

h (m)	EO° (lx)	ø (m)
1	1090	0.58
2	270	1.16
3	120	1.73
4	70	2.31
5	40	2.89

## Maintenance Factors

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	RSMF <sup>a</sup>	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF <sup>a</sup>	Luminaire Maintenance Factor	LSF	Lamp Survival Faktor

<sup>a</sup> 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	Ø 67 · 54	9 1 1 0 4 1 A 1
RAY   max. 10W	Black	Ø 67 · 54	9 1 1 0 4 1 B 1
RAY   max. 10W	Dark Grey Texture	Ø 67 · 54	9 1 1 0 4 1 D 1
RAY   max. 10W	White	Ø 67 · 54	9 1 1 0 4 1 W 1