



WEVER & DUCRÉ  
LIGHTING

# RAY OUTDOOR 1.0

735464B4

Project

Type

Notes

Quantity

Date

## GENERAL

Ceiling

Surface

Black Matt

RAL 9011<sup>a</sup>

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

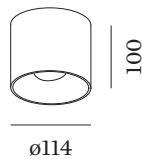
0.6 kg

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

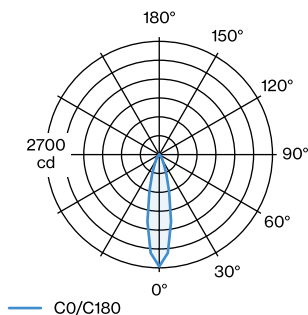


IP65     $\leq 0,3 \rightarrow$  

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





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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 <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	Ø67·54	9 1 1 0 4 1 A 1
RAY   max. 10W	Black	Ø67·54	9 1 1 0 4 1 B 1
RAY   max. 10W	Dark Grey Texture	Ø67·54	9 1 1 0 4 1 D 1
RAY   max. 10W	White	Ø67·54	9 1 1 0 4 1 W 1