



PROJECT

TYPE

NOTES

QUANTITY

DATE



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Anthracite Grey; powder coated; matt texture; RAL 7016; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2000 K - 3000 K colour warm dimming; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90 ; 220 - 240 V; degree of protection IP65; Class 1; optional single inner cover available; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;

GENERAL

Ceiling
 Surface
 Anthracite Grey
 RAL 7016 ^a
 IP65
 Exterior
 470 lm
 CIE flux code: 95 100 100 100
 100

LED

colour warm dimming
 2000 K - 3000 K
 CRI ≥ 90
 initial MacAdam ≤ 3 SDCM

OPTICAL

Standard
 beam angle 21°

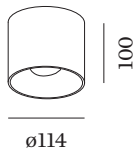
ELECTRICAL

phase-cut dim
 220 - 240 V
 system 8.0 W
 Class 1

PHYSICAL

diameter 114 mm
 height 100 mm
 0.63 kg

^a Colour may deviate slightly due to production conditions.





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	$LMF \times RSMF \times LLMF \times LSF$	RSMF ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	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	Ø·H (MM)	Item number
RAY max. 10W	Anthracite Grey	67·54	911041A1
RAY max. 10W	Black	67·54	911041B1
RAY max. 10W	Dark Grey Texture	67·54	911041D1
RAY max. 10W	White	67·54	911041W1