



PROJECT

TYPE

NOTES

QUANTITY

DATE



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface White Matt; powder coated; matt texture; RAL 9003; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 1800 K - 2850 K colour warm dimming; binning initial MacAdam ≤ 4 SDCM; CRI ≥ 95 ; 220 - 240 V; degree of protection IP20; Class 1; UGR ≤ 13 ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above $65^\circ \leq 1500$ cd/m²; optional single inner cover available;

GENERAL

Ceiling _____
Surface _____
White Matt _____
RAL 9003 ^a _____
IP20 _____
Interior _____
385 lm _____
CIE flux code: 95 99 100 100 _____
100 _____

LED

colour warm dimming _____
1800 K - 2850 K _____
CRI ≥ 95 _____
L70 / 50000 h _____
initial MacAdam ≤ 4 SDCM _____

OPTICAL

Standard _____
beam angle 21° _____

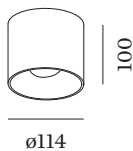
ELECTRICAL

phase-cut dim _____
220 - 240 V _____
system 7.9 W _____
Class 1 _____

PHYSICAL

diameter 114 mm _____
height 100 mm _____
0.7 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	0	0	0	0
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	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