



**PROJECT**

**TYPE**

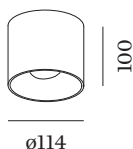
**NOTES**

**QUANTITY**

**DATE**



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Bronze; wet painted; brushed; RAL 7013; with COB (Chip on Board) technology for maximum efficiency; DALI dim; light colour 2700 K;  $\leq 3$  SDCM (initial MacAdam); CRI  $\geq 90$ ; 220 - 240 V; degree of protection IP20; Class 1; UGR  $\leq 13$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above  $65^\circ \leq 1500 \text{ cd/m}^2$ ; optional single inner cover available; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



**LUMINAIRE**

Ceiling  
Surface  
Bronze  
RAL 7013 <sup>a</sup>  
IP20  
Interior  
670 lm

**LED Module**

2700 K  
CRI  $\geq 90$   
 $\leq 3$  SDCM (initial MacAdam)  
637 lm  
80 lm/W <sup>b</sup>

**Optical**

Medium (standard)  
beam angle  $21^\circ$   
CIE flux code: 96 100 100 100  
100

**Electrical**

DALI  
220 - 240 V  
system 8.0 W  
Class I

**Physical**

diameter 114 mm  
height 100 mm  
0.7 kg

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

<sup>b</sup> Without electrical and optical losses



## 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 × RSMF × LLMF × LSF

MF Maintenance Factor

LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor

LLMF Lamp Lumens Maintenance Factor

LSF Lamp Survival Factor

<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 ACCESSORIES

### Single Inner Cover

Type	Colour	Voltage	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