



**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

**DATE**



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Champagne; wet painted; brushed; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K;  $\leq 3$  SDCM (initial MacAdam);  $\text{CRI} \geq 90$ ; 220 - 240 V; degree of protection IP20; Class 1;  $\text{UGR} \leq 13$ ; 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  
Champagne  
IP20  
Interior  
670 lm

**LED Module**

2700 K  
 $\text{CRI} \geq 90$   
 $\leq 3$  SDCM (initial MacAdam)  
658 lm  
83 lm/W <sup>a</sup>

**Optical**

Medium (standard)  
beam angle  $21^\circ$   
CIE flux code: 95 99 100 100  
100

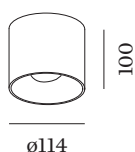
**Electrical**

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

**Physical**

diameter 114 mm  
height 100 mm  
0.7 kg

<sup>a</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    |