



**PROJECT**

**TYPE**

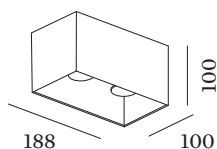
**NOTES**

**QUANTITY**

**DATE**



Rectangular ceiling surface mounted downlight made from die-cast aluminium; surface Bronze Brushed; RAL 7013; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 3000 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  $65^\circ \leq 3000$  cd/m<sup>2</sup>; optional double inner reflector and single inner cover available; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



**LUMINAIRE**

Ceiling  
Surface  
Bronze Brushed  
RAL 7013 <sup>a</sup>  
IP20  
Interior  
1220 lm

**LED Module**

3000 K  
CRI  $\geq 90$   
L70 / 50000h  
 $\leq 3$  SDCM (initial MacAdam)  
1520 lm  
94 lm/W <sup>b</sup>

**Optical**

Medium (standard)  
beam angle  $21^\circ$   
UGR  $\leq 13$   
CIE flux code: 93 99 100 100 100  
 $\geq 65^\circ < 3000$  cd/m<sup>2</sup>

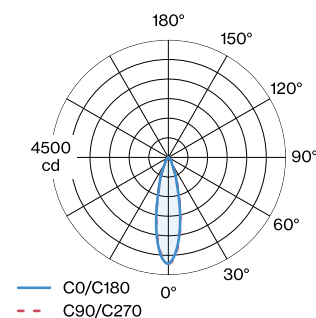
**Electrical**

phase-cut dim  
220 - 240 V  
system 16.1 W  
Class I  
Standard

**Physical**

length 188 mm  
width 100 mm  
height 100 mm  
1.08 kg

**LIGHT DISTRIBUTION**



<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

### Double Inner Reflector

| Type               | Colour    | Voltage | L·W·H (MM) | Item number |
|--------------------|-----------|---------|------------|-------------|
| BOX 2.0   max. 10W | Black     |         | 181-93-50  | 911251B1    |
| BOX 2.0   max. 10W | Gold      |         | 181-93-50  | 911251G1    |
| BOX 2.0   max. 10W | Champagne |         | 181-93-50  | 911251M1    |
| BOX 2.0   max. 10W | White     |         | 181-93-50  | 911251W1    |

### Single Inner Cover

| Type           | Colour    | Voltage | L·W·H (MM) | Item number |
|----------------|-----------|---------|------------|-------------|
| BOX   max. 10W | Black     |         | 62-62-49   | 911011B1    |
| BOX   max. 10W | Gold      |         | 62-62-49   | 911011G1    |
| BOX   max. 10W | Champagne |         | 62-62-49   | 911011M1    |
| BOX   max. 10W | White     |         | 62-62-49   | 911011W1    |