



**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

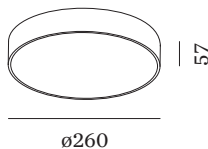
**DATE**



IP44



Round shape ceiling surface luminaire made from die-cast aluminium; surface Black Matt; powder coated; matt texture; RAL 9011; opal PMMA cover; PCB 3-step binning; phase-cut dim; light colour 2700 K;  $\leq 3$  SDCM (initial MacAdam); CRI  $\geq 90$ ; degree of protection IP44; Class I; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



**LUMINAIRE**

Ceiling  
Surface  
Black Matt  
RAL 9011<sup>a</sup>  
IP44  
Interior  
1580 lm

**LED Module**

2700 K  
CRI  $\geq 90$   
L80 / 60000h  
 $\leq 3$  SDCM (initial MacAdam)  
2140 lm  
117 lm/W<sup>b</sup>

**Optical**

Opal  
CIE flux code: 46 77 95 99 100

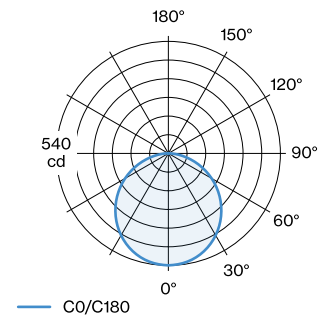
**Electrical**

phase-cut dim  
220 - 240 V  
system 18.3 W  
Class I

**Physical**

diameter 260 mm  
height 57 mm  
1.55 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               | 0.98   | 0.95   | 0.93   | 0.91   | 0.89   |
| 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.

## ELECTRICAL ACCESSORIES

### Dimmer

| Type       | Colour | Voltage | L·W·H (MM) | Item number |
|------------|--------|---------|------------|-------------|
| for switch |        | 230V    | 46·17.5·46 | 90019017    |
| DIN RAIL   | White  | 230V    | 17·55·90   | 90019018    |