



**PROJECT**

**TYPE**

**NOTES**

**QUANTITY**

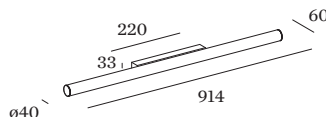
**DATE**



IP44



Tubular wall surface luminaire made from aluminium; surface Black Matt; powder coated; matt texture; opal PMMA; RAL 9011; PCB 3-step binning; light colour 2700 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; inclusive output selector (choose between low and high luminosity); degree of protection IP44; Class 1; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



**Luminaire**

Wall  
Surface  
Black Matt + Opal PMMA  
RAL 9011<sup>a</sup>  
IP44  
Interior  
730 lm / Low Output  
1290 lm / High Output

**Module**

2700 K  
CRI  $\geq 90$   
L80 / 50000h  
 $\leq 3$  SDCM (initial MacAdam)  
780 / 1377 lm  
101 / 116 lm/W<sup>b</sup>

**Optical**

Opal  
CIE flux code: 28 54 78 50 100

**Electrical**

incl. output selector | phase-cut dim  
220 - 240 V  
system 7.7 / 11.9 W  
Class 1

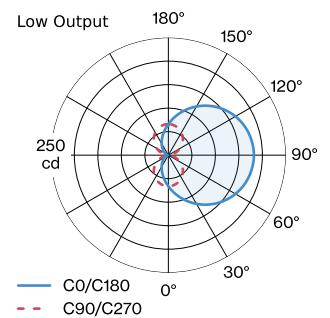
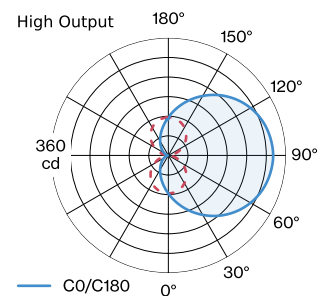
**Physical**

length 914 mm  
width 60 mm  
height 40 mm  
0.73 kg

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

<sup>b</sup> Without electrical losses

**LIGHT DISTRIBUTION**




**Maintenance Factor**

| Operating Time [h] | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.97   | 0.94   | 0.91   | 0.89   | 0.86   |
| LSF                | 1      | 1      | 1      | 1      | 1      |

|                  |                                          |                   |                                 |
|------------------|------------------------------------------|-------------------|---------------------------------|
| MF               | $LMF \times RSMF \times LLMF \times LSF$ | RSMF <sup>a</sup> | Room Surface Maintenance Factor |
| MF               | Maintenance Factor                       | LLMF              | Lamp Lumens Maintenance Factor  |
| LMF <sup>a</sup> | Luminaire 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.