



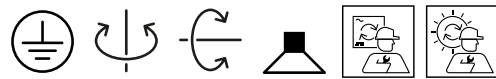
## PROJECT

## TYPE

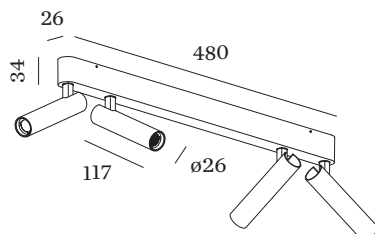
## NOTES

## QUANTITY

## DATE



Ceiling surface luminaire with 4 spotlights with base; made from die-cast aluminium; surface White Matt; powder coated, matt texture; RAL 9010; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K;  $\leq 2$  SDCM (initial MacAdam); CRI  $\geq 90$ ; beam angle 30°; 350° rotatable and 90° tiltable; degree of protection IP20; Class I; driver included; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by an authorized professional;



## LUMINAIRE

Ceiling  
Surface  
tilt max 90 °  
rotation 350 °  
White Matt  
RAL 9010 <sup>a</sup>  
IP20  
Interior  
1960 lm

## LED Module

2700 K  
CRI  $\geq 90$   
L80 / 50000h  
 $\leq 2$  SDCM (initial MacAdam)  
490 lm  
68 lm/W <sup>b</sup>

## Optical

Medium (standard)  
beam angle 30°  
CIE flux code: 97 100 100 100  
100

## Electrical

phase-cut dim  
220 - 240 V  
system 28.9 W  
Class I  
Standard

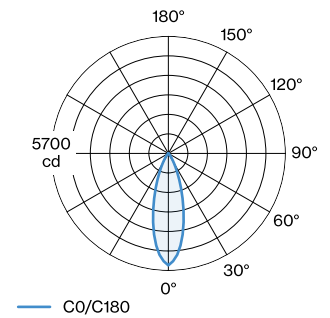
## Physical

length 480 mm  
width 26 mm  
height 117 mm  
0.86 kg

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

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

## LIGHT DISTRIBUTION





## CONE DIAGRAM

medium (standard) 31°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1     | 1360     | 0.56  |
| 2     | 340      | 1.12  |
| 3     | 150      | 1.67  |
| 4     | 90       | 2.23  |
| 5     | 50       | 2.79  |

## Maintenance Factor

| Operating Time [h] | 10.000 | 20.000 | 30.000 | 40.000 | 50.000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF               | 0.99   | 0.98   | 0.97   | 0.96   | 0.95   |
| 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.