



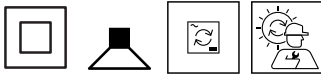
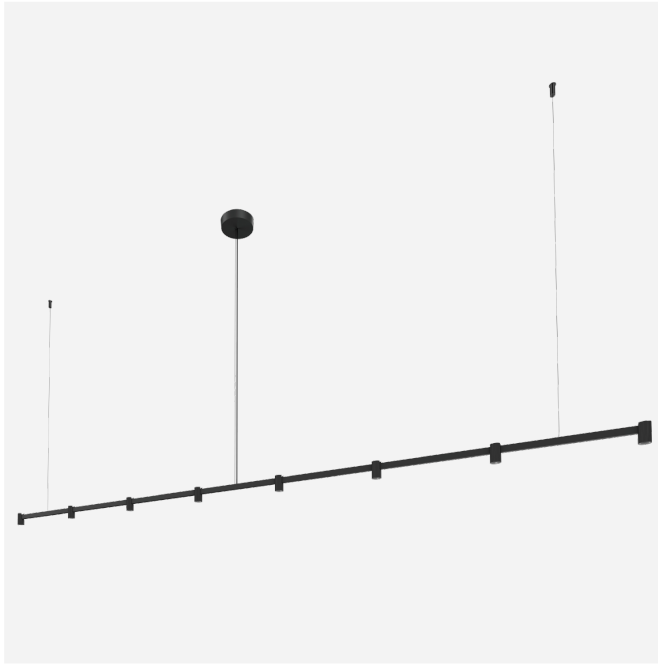
## PROJECT

## TYPE

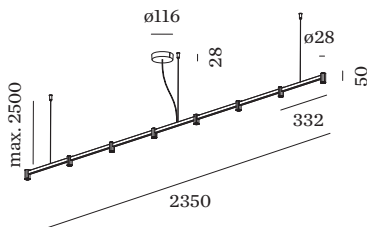
## NOTES

## QUANTITY

## DATE



Ceiling suspended luminaire made from aluminium; with 8 spotlights; inclusive adjustable cable suspension max. 2500mm; surface Black Matt; powder coated, matt texture; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K;  $\leq 3$  SDCM (initial MacAdam); CRI  $\geq 92$ ; beam angle 30°; 220 - 240 V; degree of protection IP20; Class 2; UGR  $\leq 19$ ; driver included; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;



## LUMINAIRE

Ceiling  
Suspended  
Black Matt  
RAL 9011<sup>a</sup>  
IP20  
Interior  
spots: 8  
per spot 215 lm  
1730 lm

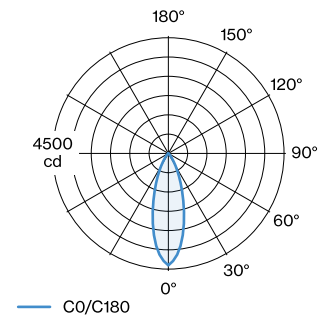
## LED MODULE

2700 K  
CRI  $\geq 92$   
L80 / 50000h  
 $\leq 3$  SDCM (initial MacAdam)  
310 lm  
180 lm/W<sup>b</sup>

## OPTICAL

Medium (standard)  
beam angle 30°  
UGR  $\leq 19$   
CIE flux code: 95 99 100 100  
100

## LIGHT DISTRIBUTION



## ELECTRICAL

phase-cut dim  
220 - 240 V  
system 16.8 W  
Class II

## PHYSICAL

length 2350 mm  
width 28 mm  
height 50 mm  
1.1 kg

<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               | 0.97   | 0.93   | 0.9    | 0.86   | 0.82   |
| 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.