



**PROJECT** \_\_\_\_\_

**TYPE** \_\_\_\_\_

**NOTES** \_\_\_\_\_

**QUANTITY** \_\_\_\_\_

**DATE** \_\_\_\_\_



Tubular ceiling suspended luminaire made from die-cast aluminium; surface Black Matt; powder coated, matt texture; RAL 9005; inclusive adjustable cable suspension max. 2500mm in Signal Black; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; 220 - 240 V; beam angle 33°; degree of protection IP20; Class 2; driver included; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;

**GENERAL**

Ceiling \_\_\_\_\_  
 Suspended \_\_\_\_\_  
 Black Matt \_\_\_\_\_  
 RAL 9005 <sup>a</sup> \_\_\_\_\_  
 IP20 \_\_\_\_\_  
 Interior \_\_\_\_\_  
 435 lm \_\_\_\_\_  
 CIE flux code: 91 97 99 100 100 \_\_\_\_\_

**LED**

2700 K \_\_\_\_\_  
 CRI  $\geq 90$  \_\_\_\_\_  
 L80 / 50000h \_\_\_\_\_  
 initial MacAdam  $\leq 2$  SDCM \_\_\_\_\_

**OPTICAL**

Standard \_\_\_\_\_  
 beam angle 33° \_\_\_\_\_

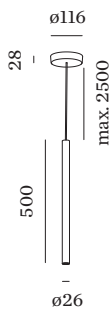
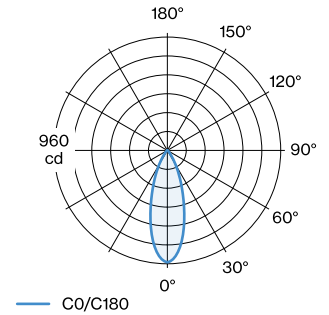
**ELECTRICAL**

phase-cut dim \_\_\_\_\_  
 220 - 240 V \_\_\_\_\_  
 system 8.5 W \_\_\_\_\_  
 Class 2 \_\_\_\_\_

**PHYSICAL**

diameter 26 mm \_\_\_\_\_  
 height 500 mm \_\_\_\_\_  
 0.36 kg \_\_\_\_\_

**LIGHT DISTRIBUTION**



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


**CONE DIAGRAM**

standard 34°

h (m)	E0° (lx)	ø (m)
1	948	0.62
2	237	1.23
3	105	1.85
4	59	2.47
5	38	3.08

**Maintenance Factor**

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.96	0.92	0.88	0.85	0.81
LSF	1	1	1	1	1

 MF  $LMF \times RSMF \times LLMF \times LSF$ 

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.