



**PROJECT**

**TYPE**

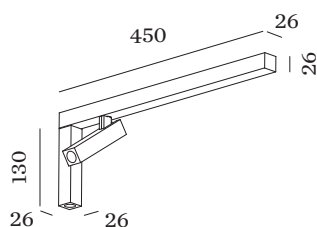
**NOTES**

**QUANTITY**

**DATE**



Ceiling surface spotlight made from die-cast aluminium; with rectangular base; surface Black Matt + Gold; powder coated and wet painted; matt texture; RAL 9005; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; binning initial MacAdam  $\leq 2$  SDCM; CRI  $\geq 90$ ; beam angle 23°; 220 - 240 V; 350° rotatable and 90° tiltable; degree of protection IP20; Class 1; driver included; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;



**GENERAL**

Ceiling / Wall  
Surface  
tilt max 90 °  
rotation 350 °  
Black Matt + Gold  
RAL 9005 <sup>a</sup>  
IP20  
Interior  
425 lm  
CIE flux code: 90 98 100 100 100

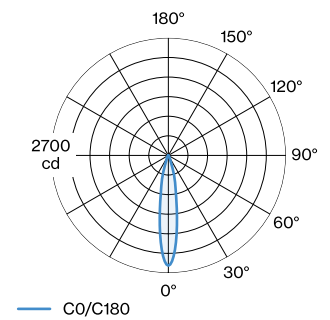
**LED**

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

**OPTICAL**

Standard  
beam angle 23°

**LIGHT DISTRIBUTION**



**ELECTRICAL**

phase-cut dim  
220 - 240 V  
system 14.0 W  
Class 1

**PHYSICAL**

length 450 mm  
width 26 mm  
height 130 mm  
0.62 kg

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


**CONE DIAGRAM**

standard 18°

h (m)	E0° (lx)	ø (m)
1	1270	0.31
2	320	0.62
3	140	0.93
4	80	1.25
5	50	1.56

**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

$LMF^a$       Luminaire Maintenance Factor

$RSMF^a$       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.