



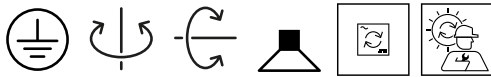
**PROJECT**

**TYPE**

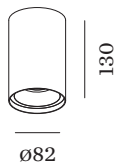
**NOTES**

**QUANTITY**

**DATE**



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; adjustable; surface White Matt; powder coated, matt texture; RAL 9010; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 3000 K;  $\leq 2$  SDCM (initial MacAdam); CRI  $\geq 90$ ; 220 - 240 V; beam angle 15°; 355° rotatable and 25° 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 end-user;



**LUMINAIRE**

Ceiling  
Surface  
tilt max 25 °  
rotation 355 °  
White Matt  
RAL 9010 <sup>a</sup>  
IP20  
Interior  
580 lm

**LED Module**

3000 K  
CRI  $\geq 90$   
L80 / 50000h  
 $\leq 2$  SDCM (initial MacAdam)  
672 lm  
112 lm/W <sup>b</sup>

**Optical**

Narrow  
beam angle 15°  
CIE flux code: 98 100 100 100  
100

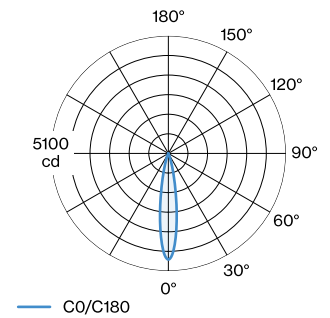
**Electrical**

phase-cut dim  
220 - 240 V  
system 8.3 W  
Class I

**Physical**

diameter 82 mm  
height 130 mm  
0.42 kg

**LIGHT DISTRIBUTION**



<sup>a</sup> Colour may deviate slightly due to production conditions  
<sup>b</sup> Without electrical and optical losses



## CONE DIAGRAM

narrow 18°

h (m)	E0° (lx)	ø (m)
1	4610	0.31
2	1150	0.62
3	510	0.93
4	290	1.25
5	180	1.56

## Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.98	0.95	0.93	0.9	0.88
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.