



**PROJECT**

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**TYPE**

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**NOTES**

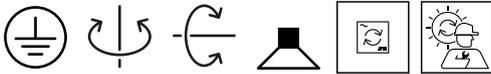
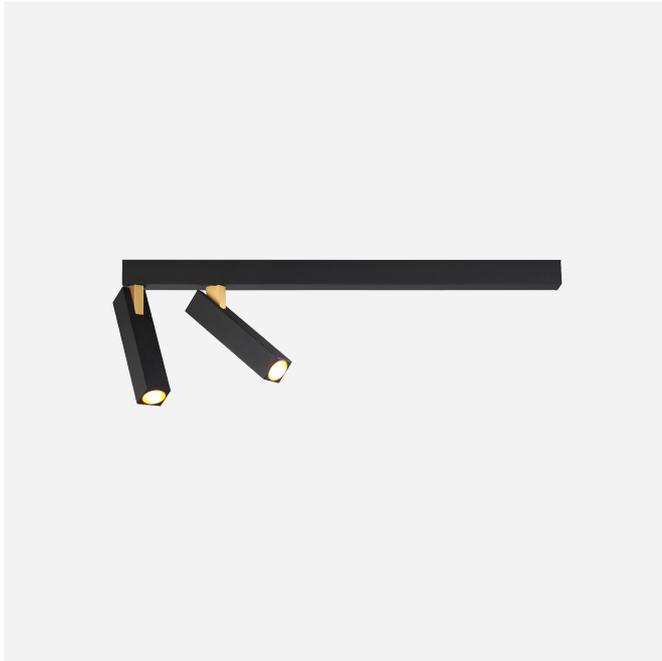
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**QUANTITY**

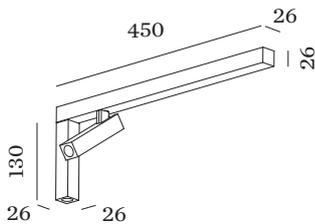
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**DATE**

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Ceiling surface spotlight made from die-cast aluminium; with rectangular base; surface Black Matt + Gold; powder coated and wet painted; matt texture; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 3000 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 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;



**LUMINAIRE**

Ceiling \_\_\_\_\_  
 Surface \_\_\_\_\_  
 tilt max 90 ° \_\_\_\_\_  
 rotation 350 ° \_\_\_\_\_  
 Black Matt + Gold \_\_\_\_\_  
 RAL 9011 <sup>a</sup> \_\_\_\_\_  
 IP20 \_\_\_\_\_  
 Interior \_\_\_\_\_  
 450 lm \_\_\_\_\_

**LED Module**

3000 K \_\_\_\_\_  
 CRI ≥ 90 \_\_\_\_\_  
 L80 / 50000 h \_\_\_\_\_  
 ≤ 2 SDCM (initial MacAdam) \_\_\_\_\_  
 670 lm \_\_\_\_\_  
 113 lm/W <sup>b</sup> \_\_\_\_\_

**Optical**

Medium (standard) \_\_\_\_\_  
 beam angle 23° \_\_\_\_\_  
 CIE flux code: 90 98 100 100 \_\_\_\_\_  
 100 \_\_\_\_\_

**Electrical**

phase-cut dim \_\_\_\_\_  
 220 - 240 V \_\_\_\_\_  
 system 14.0 W \_\_\_\_\_  
 Class I \_\_\_\_\_  
 Standard \_\_\_\_\_

**Physical**

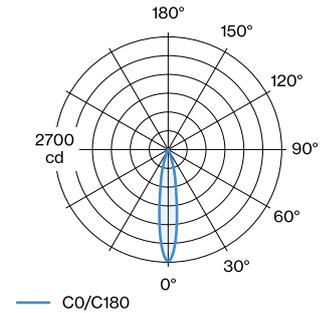
length 450 mm \_\_\_\_\_  
 width 26 mm \_\_\_\_\_  
 height 130 mm \_\_\_\_\_  
 0.62 kg \_\_\_\_\_

**datasheet.quicksum.material**

Aluminium \_\_\_\_\_

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

**LIGHT DISTRIBUTION**



[159244K5] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of Wever & Ducré BV apply.



**CONE DIAGRAM**

medium (standard) 18°

h (m)	EO° (lx)	ø (m)
1	1340	0.31
2	330	0.62
3	150	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	$LMF \times RSMF \times LLMF \times LSF$	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.