



**PROJECT**

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**TYPE**

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**NOTES**

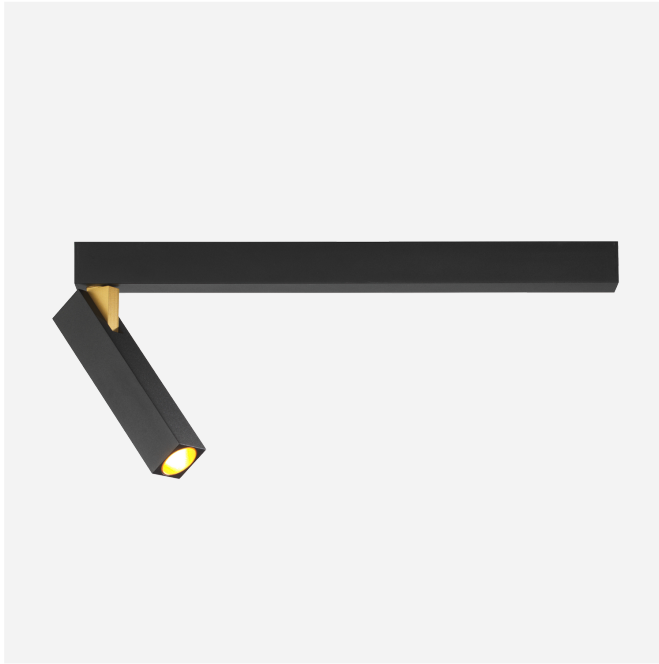
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**QUANTITY**

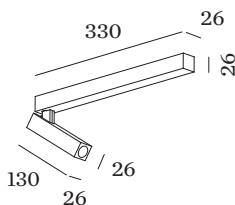
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**DATE**

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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 9005; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 3000 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  
 435 lm  
 CIE flux code: 90 98 100 100  
 100

**LED**

3000 K  
 CRI  $\geq 90$   
 L80 / 50000h  
 initial MacAdam  $\leq 2$  SDCM

**OPTICAL**

Standard  
 beam angle 23°

**ELECTRICAL**

phase-cut dim  
 220 - 240 V  
 system 13.8 W  
 Class 1

**PHYSICAL**

length 330 mm  
 width 26 mm  
 height 130 mm  
 0.35 kg

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



**Maintenance Factor**

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.96	0.92	0.89	0.85	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.