



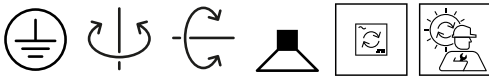
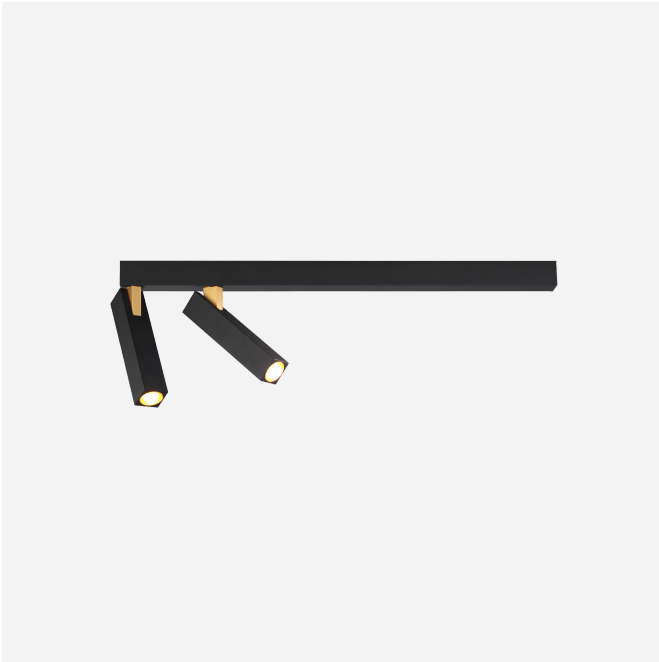
PROJECT _____

TYPE _____

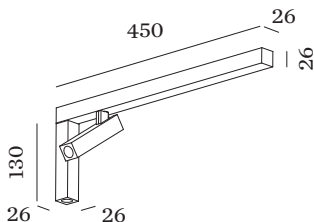
NOTES _____

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 3000 K; binning initial MacAdam ≤ 2 SDCM; 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;



GENERAL

Ceiling / Wall _____
 Surface _____
 tilt max 90 ° _____
 rotation 350 ° _____
 Black Matt + Gold _____
 RAL 9005 ^a _____
 IP20 _____
 Interior _____
 450 lm _____
 CIE flux code: 90 98 100 100 _____
 100 _____

LED

3000 K _____
 CRI ≥ 90 _____
 L80 / 50000 h _____
 initial MacAdam ≤ 2 SDCM _____

OPTICAL

Standard _____
 beam angle 23° _____

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 _____

^a 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	0.88	0.85	0.81
LSF	1	1	1	1	1

MF	$LMF \times RSMF \times LLMF \times LSF$	RSMF ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire Maintenance Factor	LSF	Lamp Survival Factor

^aAccording to "CIE 97, Maintenance of indoor electric lighting systems", 2005, ISBN 3-900-734-34-8. The values must be determined by the planner.