



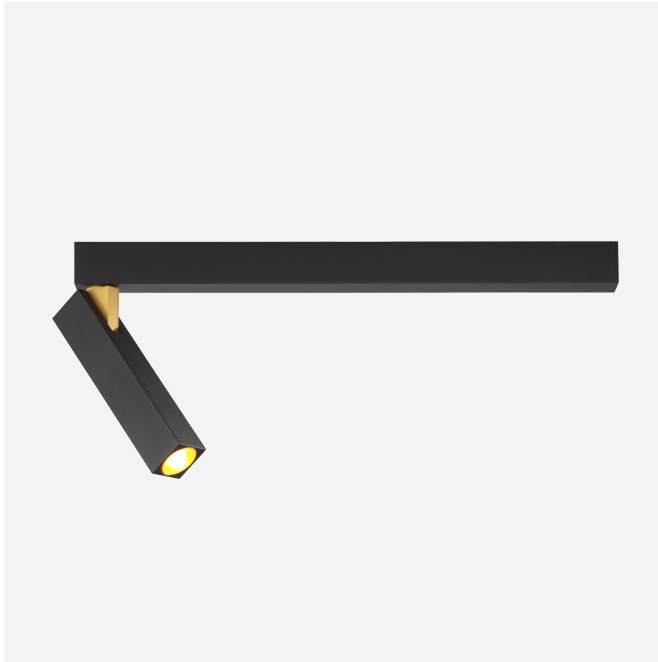
PROJECT

TYPE

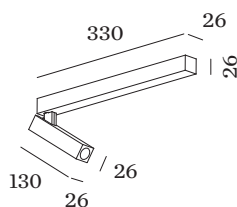
NOTES

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
435 lm
CIE flux code: 90 98 100 100 100

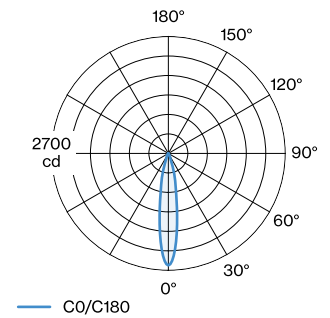
LED

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

OPTICAL

Standard
beam angle 23°

LIGHT DISTRIBUTION



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

^a Colour may deviate slightly due to production conditions.


CONE DIAGRAM

standard 18°

h (m)	E0° (lx)	ø (m)
1	2590	0.31
2	650	0.62
3	290	0.93
4	160	1.25
5	100	1.56

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 × RSMF × LLMF × LSF

MF Maintenance Factor

LMF^a Luminaire Maintenance Factor

RSMF^a Room Surface Maintenance Factor

LLMF Lamp Lumens 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.