



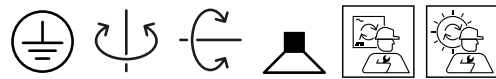
PROJECT

TYPE

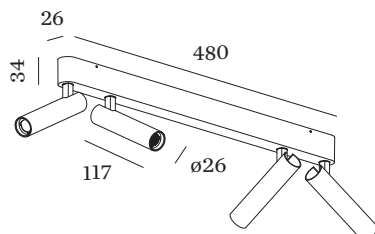
NOTES

QUANTITY

DATE



Ceiling surface luminaire with 4 spotlights with base; made from die-cast aluminium; 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; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 30°; 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 an authorized professional;



LUMINAIRE

Ceiling
Surface
tilt max 90 °
rotation 350 °
White Matt
RAL 9010 ^a
IP20
Interior
1990 lm

LED Module

3000 K
CRI ≥ 90
L80 / 50000h
 ≤ 2 SDCM (initial MacAdam)
497 lm
69 lm/W ^b

Optical

Medium (standard)
beam angle 30°
CIE flux code: 97 100 100 100
100

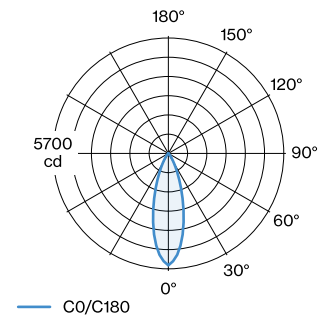
Electrical

phase-cut dim
220 - 240 V
system 28.9 W
Class I

Physical

length 480 mm
width 26 mm
height 117 mm
0.86 kg

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses



CONE DIAGRAM

medium (standard) 31°

h (m)	E0° (lx)	ø (m)
1	1380	0.56
2	350	1.12
3	150	1.67
4	90	2.23
5	60	2.79

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^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.