



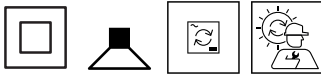
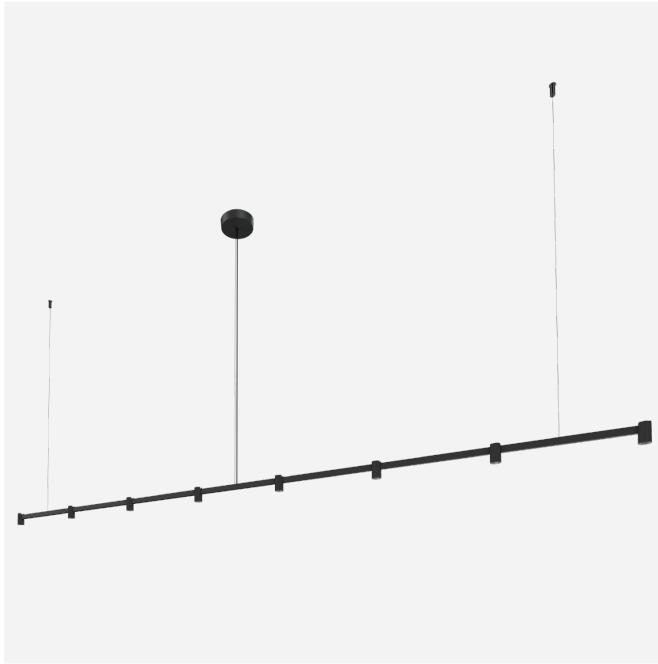
PROJECT

TYPE

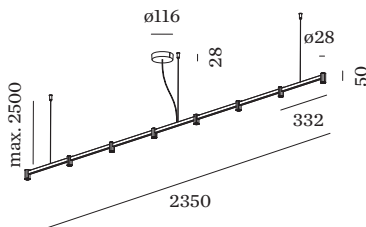
NOTES

QUANTITY

DATE



Ceiling suspended luminaire made from aluminium; with 8 spotlights; inclusive adjustable cable suspension max. 2500mm; surface Black Matt; powder coated, matt texture; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 3000 K; ≤ 3 SDCM (initial MacAdam); CRI ≥ 92 ; beam angle 30°; 220 - 240 V; degree of protection IP20; Class 2; UGR ≤ 19 ; driver included; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;



LUMINAIRE

Ceiling
Suspended
Black Matt
RAL 9011^a
IP20
Interior
spots: 8
per spot 230 lm
1820 lm

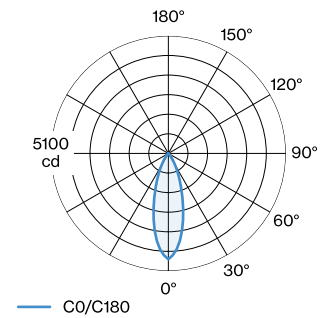
LED MODULE

3000 K
CRI ≥ 92
L80 / 50000h
 ≤ 3 SDCM (initial MacAdam)
325 lm
190 lm/W^b

OPTICAL

Medium (standard)
beam angle 30°
UGR ≤ 19
CIE flux code: 95 99 100 100
100

LIGHT DISTRIBUTION



ELECTRICAL

phase-cut dim
220 - 240 V
system 16.8 W
Class II

PHYSICAL

length 2350 mm
width 28 mm
height 50 mm
1.1 kg

^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses



Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.97	0.93	0.9	0.86	0.82
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.