



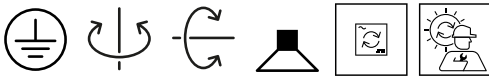
PROJECT

TYPE

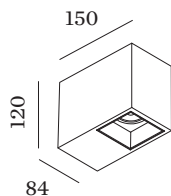
NOTES

QUANTITY

DATE



Rectangular ceiling surface mounted downlight with 1 spot made from die-cast aluminium; 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; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 15°; 355° rotatable and 30° tiltable; degree of protection IP20; Class I; driver included; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;



LUMINAIRE

Ceiling
Surface
tilt max 30 °
rotation 355 °
Black Matt
RAL 9011^a
IP20
Interior
770 lm

LED MODULE

3000 K
CRI ≥ 90
L80 / 55000h
 ≤ 2 SDCM (initial MacAdam)
1060 lm
121 lm/W^b

OPTICAL

Narrow
beam angle 15°
CIE flux code: 91 97 99 100 100

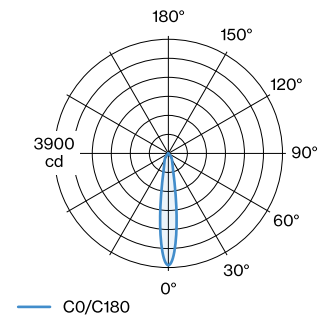
ELECTRICAL

phase-cut dim
220 - 240 V
system 12.2 W
Class I

PHYSICAL

length 84 mm
width 150 mm
height 120 mm
1.15 kg

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses



CONE DIAGRAM

narrow 17°

h (m)	E0° (lx)	ø (m)
1	3820	0.29
2	960	0.58
3	420	0.87
4	240	1.16
5	150	1.45

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.99	0.98	0.97	0.96	0.95
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.