



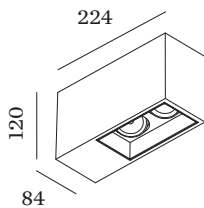
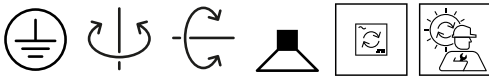
PROJECT

TYPE

NOTES

QUANTITY

DATE



LUMINAIRE

Ceiling
Surface
tilt max 30 °
rotation 355 °
White Matt
RAL 9010 ^a
IP20
Interior
1710 lm

LED Module

3000 K
CRI ≥ 90
L80 / 55000h
≤ 2 SDCM (initial MacAdam)
2124 lm
121 lm/W ^b

Optical

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

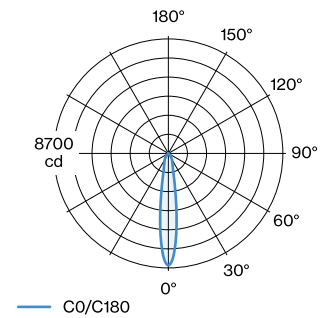
Electrical

phase-cut dim
220 - 240 V
system 21.5 W
Class I

Physical

length 84 mm
width 224 mm
height 120 mm
1.62 kg

LIGHT DISTRIBUTION



^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	0.96	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.