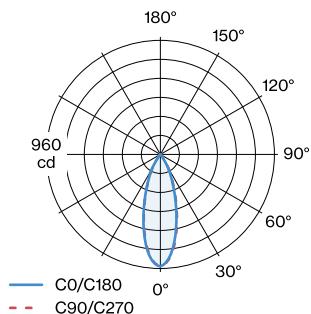



PROJECT
TYPE
NOTES
QUANTITY
DATE


Squared ceiling surface mounted downlight made from die-cast aluminium; surface White Matt + Black Matt; RAL 9010; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 30°; 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;

LUMINAIRE

Ceiling
Surface
White Matt + Black Matt
RAL 9010 ^a
IP20
Interior
415 lm

LIGHT DISTRIBUTION

LED Module

2700 K
CRI ≥ 90
L80 / 55000h
 ≤ 2 SDCM (initial MacAdam)
525 lm
101 lm/W ^b

Optical

Medium (standard)
beam angle 30°
CIE flux code: 93 97 99 100
100

Electrical

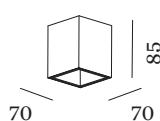
phase-cut dim
220 - 240 V
system 6.8 W
Class I

Physical

length 70 mm
width 70 mm
height 85 mm
0.25 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	0.98	0.95	0.93	0.9	0.88
LSF	1	1	1	1	1

MF	$LMF \times RSMF \times LLMF \times LSF$	RSMFa	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMFa	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.