



PROJECT

TYPE

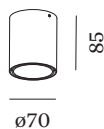
NOTES

QUANTITY

DATE



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface White Matt + Champagne; 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°; 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
White Matt + Champagne
RAL 9010 ^a
IP20
Interior
440 lm

LED Module

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

Optical

Medium (standard)
beam angle 30°
CIE flux code: 91 96 99 100
100

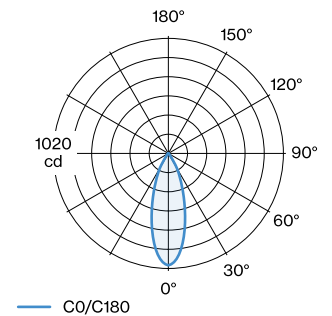
Electrical

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

Physical

diameter 70 mm
height 85 mm
0.19 kg

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses



CONE DIAGRAM

medium (standard) 34°

h (m)	E0° (lx)	ø (m)
1	992	0.61
2	248	1.22
3	110	1.84
4	62	2.45
5	40	3.06

Maintenance Factor

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