



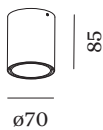
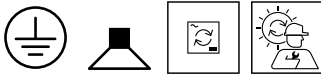
PROJECT _____

TYPE _____

NOTES _____

QUANTITY _____

DATE _____



LUMINAIRE

Ceiling _____
 Surface _____
 Black Matt + Bronze _____
 RAL 9011 ^a _____
 IP20 _____
 Interior _____
 415 lm _____

LED Module

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

Optical

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

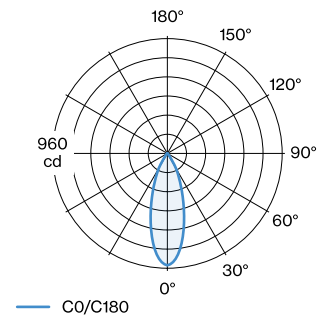
Electrical

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

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



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	$LMF \times RSMF \times LLMF \times LSF$	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.