



PROJECT

TYPE

NOTES

QUANTITY

DATE



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Black Matt + Champagne; 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 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
Black Matt + Champagne
RAL 9011 ^a
IP20
Interior
470 lm

LED Module

3000 K
CRI ≥ 90
 ≤ 2 SDCM (initial MacAdam)

Optical

Medium (standard)
beam angle 30°

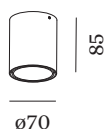
Electrical

phase-cut dim
220 - 240 V
system 8.0 W
Class I

Physical

diameter 70 mm
height 85 mm
0.19 kg

^a Colour may deviate slightly due to production conditions





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.