



PROJECT

TYPE

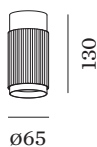
NOTES

QUANTITY

DATE



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; surface Black Matt; powder coated, matt texture; RAL 9005; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 3000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; 220 - 240 V; beam angle 27°; degree of protection IP20; Class 1; UGR ≤ 16 ; driver included; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;



GENERAL

Ceiling
Surface
Black Matt
RAL 9005 ^a
IP20
Interior
460 lm
CIE flux code: 99 100 100 100 100

LED

3000 K
CRI ≥ 90
L80 / 50000h
initial MacAdam ≤ 2 SDCM

OPTICAL

Standard
beam angle 27°

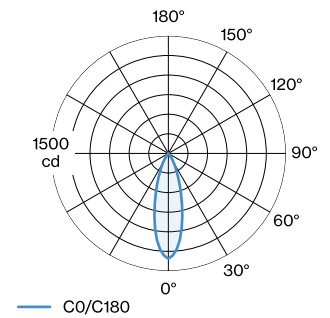
ELECTRICAL

phase-cut dim
220 - 240 V
system 5.6 W
Class 1

PHYSICAL

diameter 65 mm
height 130 mm
0.4 kg

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions.



CONE DIAGRAM

standard 30°

h (m)	E0° (lx)	ø (m)
1	1340	0.54
2	340	1.07
3	150	1.61
4	80	2.15
5	50	2.68

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 × 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.