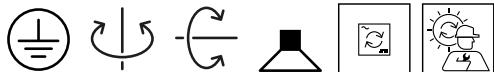
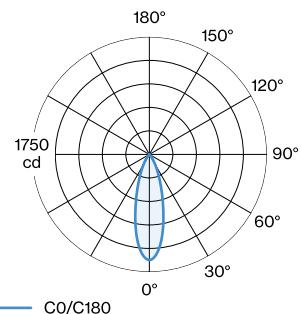



PROJECT
TYPE
NOTES
QUANTITY
DATE


Cylindrical ceiling surface mounted downlight made from die-cast aluminium; adjustable; surface Black Matt + Champagne; powder coated; matt texture + wet painted; smooth semi glossy; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 3000 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; 220 - 240 V; beam angle 31°; 355° rotatable and 25° tiltable; 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
tilt max 25 °
rotation 355 °
Black Matt + Champagne
RAL 9011 ^a
IP20
Interior
570 lm

LIGHT DISTRIBUTION

LED Module

3000 K
CRI ≥ 90
L80 / 50000h
 ≤ 2 SDCM (initial MacAdam)
670 lm
109 lm/W ^b

Optical

Medium (standard)
beam angle 31°
CIE flux code: 97 100 100 100

Electrical

phase-cut dim
220 - 240 V
system 8.5 W
Class I

Physical

diameter 82 mm
height 130 mm
0.42 kg

^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses


CONE DIAGRAM

medium (standard) 30°

h (m)	E0° (lx)	ø (m)
1	1580	0.54
2	390	1.08
3	180	1.62
4	100	2.16
5	60	2.69

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.92	0.87	0.83	0.79	0.75
LSF	1	1	1	1	1

MF	LMF × RSMF × LLMF × 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.