



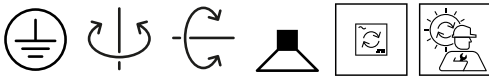
PROJECT

TYPE

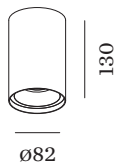
NOTES

QUANTITY

DATE



Cylindrical ceiling surface mounted downlight made from die-cast aluminium; adjustable; surface White Matt + Gold; wet painted, matt smooth; RAL 9010; 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 15°; 355° rotatable and 25° tiltable; 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
tilt max 25 °
rotation 355 °
White Matt + Gold
RAL 9010 ^a
IP20
Interior
580 lm

LED Module

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

Optical

Narrow
beam angle 15°
CIE flux code: 98 100 100 100
100

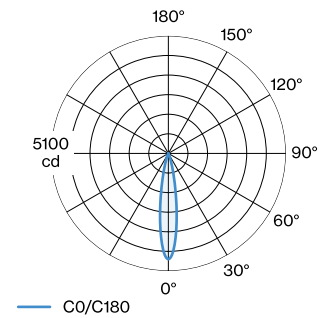
Electrical

phase-cut dim
220 - 240 V
system 8.3 W
Class I

Physical

diameter 82 mm
height 130 mm
0.42 kg

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions
^b Without electrical and optical losses



CONE DIAGRAM

narrow 18°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1 | 4590 | 0.31 |
| 2 | 1150 | 0.62 |
| 3 | 510 | 0.93 |
| 4 | 290 | 1.25 |
| 5 | 180 | 1.56 |

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 × 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.