



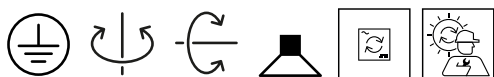
PROJECT

TYPE

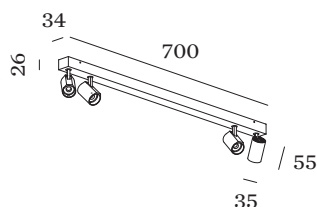
NOTES

QUANTITY

DATE



Ceiling surface spotlight made from die-cast aluminium; with rectangular base; surface Black Matt + Gold; wet painted, matt smooth; RAL 9011; inner ring black; with COB (Chip on Board) technology for maximum efficiency; phase-cut dim; light colour 2700 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 31°; 220 - 240 V; 350° rotatable and 90° tiltable; degree of protection IP20; Class 1; driver included; optional honeycomb louver available, to reduce glare; light source replaceable by Wever & Ducré or by a professional with explicit authorization; control gear replaceable by end-user;



LUMINAIRE

Ceiling
Surface
tilt max 90 °
rotation 350 °
Black Matt + Gold
RAL 9011 ^a
IP20
Interior
per head 510 lm
heads 4
2040 lm

LED Module

2700 K
CRI ≥ 90
L70 / 55000h
 ≤ 2 SDCM (initial MacAdam)
510 lm
69 lm/W ^b

Optical

Medium (standard)
beam angle 31°
CIE flux code: 99 100 100 100
100

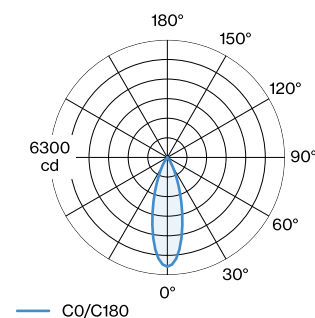
Electrical

phase-cut dim
220 - 240 V
system 29.7 W
Class I
Standard

Physical

diameter 35 mm
height 55 mm
0.95 kg

LIGHT DISTRIBUTION



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



CONE DIAGRAM

medium (standard) 31°

h (m)	E0° (lx)	ø (m)
1	1460	0.56
2	370	1.12
3	160	1.68
4	90	2.23
5	60	2.79

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

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.

OPTICAL ACCESSORIES

Honeycomb Louver

Type	Colour	Voltage	Ø (MM)	Item number
BLIEK petit CENO LECA PIRRO QITO 1.0	Black		29	915230B0