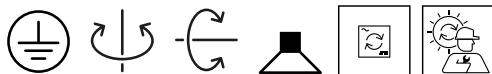
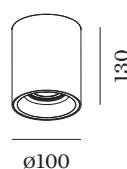
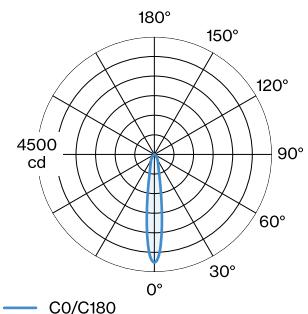



PROJECT
TYPE
NOTES
QUANTITY
DATE


Cylindrical ceiling surface mounted downlight made from die-cast aluminium; adjustable; surface Black Matt + Gold; wet painted, matt smooth; RAL 9011; with COB (Chip on Board) technology for maximum efficiency; DALI dim; light colour 2700 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 15°; 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 + Gold
RAL 9011 ^a
IP20
Interior
830 lm

LIGHT DISTRIBUTION

LED Module

2700 K
CRI ≥ 90
L80 / 50000h
 ≤ 2 SDCM (initial MacAdam)
1010 lm
114 lm/W ^b

Optical

Narrow
beam angle 15°
CIE flux code: 88 99 100 100
100

Electrical

DALI-2
220 - 240 V
system 12.2 W
Class I

Physical

diameter 100 mm
height 130 mm
0.65 kg

^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses


CONE DIAGRAM

narrow 16°

h (m)	E0° (lx)	Ø (m)
1	4140	0.28
2	1030	0.55
3	460	0.83
4	260	1.11
5	170	1.39

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	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.

OTHER ACCESSORIES
Metal spring clip

Type	Colour	Voltage	Ø (MM)	Item number
MR16 LED PAR16 max. 12W			59	90019700

Spring clip

Type	Colour	Voltage	Ø (MM)	Item number
MR16 LED PAR16 max. 12W	Black		59	900198BO
MR16 LED PAR16 max. 12W	Gold		59	900198GO
MR16 LED PAR16 max. 12W	Champagne		59	900198MO
MR16 LED PAR16 max. 12W	Bronze		59	900198QO
MR16 LED PAR16 max. 12W	Silver		59	900198SO
MR16 LED PAR16 max. 12W	White		59	900198WO