



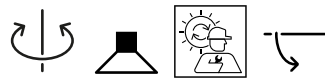
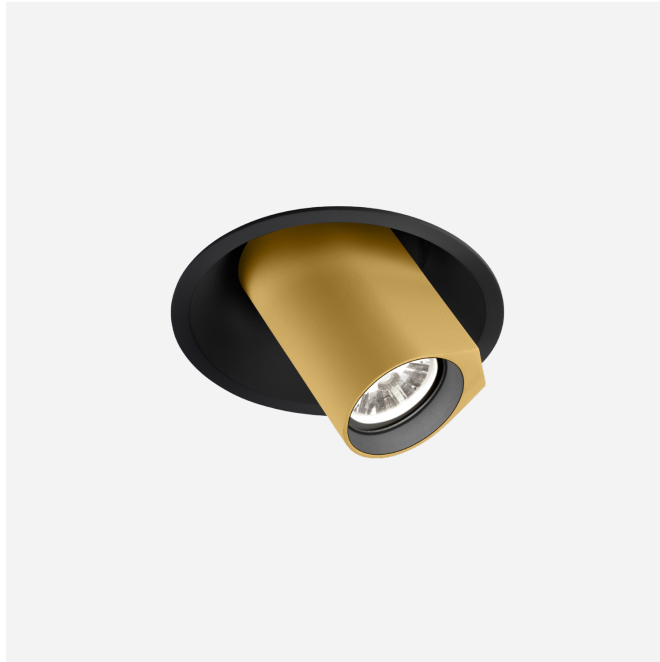
PROJECT

TYPE

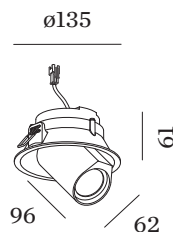
NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; adjustable; surface Black Matt + Gold; wet painted, matt smooth; RAL 9011; inner ring black; installation without tools using wire springs; suitable for ceiling thickness of 4-25 mm; recessed depth 75 mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2000 - 3000 K colour warm dimming; ≤ 3 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 33°; 355° rotatable and 60° tiltable; degree of protection IP20; Class 3; IC rated; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



LUMINAIRE

Ceiling
Semi-Recessed
tilt max 60 °
rotation 355 °
Black Matt + Gold
RAL 9011 ^a
IP20
IC rated
Interior
445 lm / 350mA
660 lm / 500mA

LED Module

colour warm dimming
2000 - 3000 K
CRI ≥ 90
L70 / 50000h
≤ 3 SDCM (initial MacAdam)
545 lm / 350mA
90 lm/W ^b
6.1 W ^b

Optical

Medium (standard)
beam angle 33°
CIE flux code: 89 99 100 100 100

Electrical

excl. driver
17 V
Class III
Standard

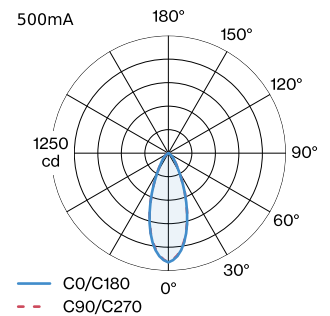
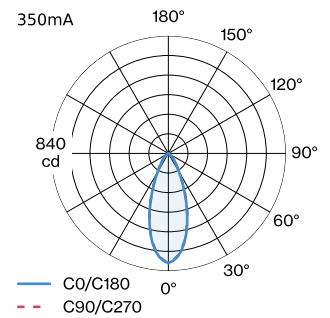
Physical

diameter 135 mm
height 96 mm
0.45 kg
wire springs

Cutout

diameter 127 mm
min. ceiling thickness 4 mm
max. ceiling thickness 25 mm
recessed depth 75 mm

LIGHT DISTRIBUTION



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



CONE DIAGRAM

medium (standard) ~~390~~mA

h (m)	E0° (lx)	ø (m)
1	784	0.71
2	196	1.41
3	87	2.12
4	49	2.82
5	31	3.53

medium (standard) ~~590~~mA

h (m)	E0° (lx)	ø (m)
1	1160	0.71
2	290	1.41
3	130	2.12
4	70	2.82
5	50	3.53

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.95	0.91	0.86	0.82	0.77
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.

ELECTRICAL ACCESSORIES

Driver

Type	Colour	Voltage	L·W·H (MM)	Item number
10W 500mA 13-20V		13-20V	60·39·20	90214406
10W 500mA 12-21V phase-cut dim		12-21V	115·41·25	90224403
15W 500mA 10-31V DALI-2 push dim		10-31V	166·29·21	90244501