



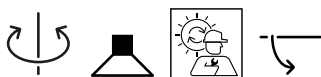
PROJECT

TYPE

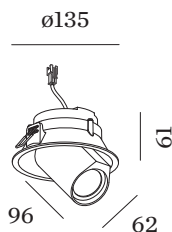
NOTES

QUANTITY

DATE



Round ceiling recessed downlight made from die-cast aluminium; adjustable; surface Black Matt; powder coated, matt texture; 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 4000 K; ≤ 2 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
RAL 9011 ^a
IP20
IC rated
Interior
905 lm / 500mA
670 lm / 350mA

LED Module

4000 K
CRI ≥ 90
L80 / 55000h
 ≤ 2 SDCM (initial MacAdam)
835 lm / 350mA
140 lm/W ^b
6 W ^b

Optical

Medium (standard)
beam angle 33°
CIE flux code: 90 100 100 100 100

Electrical

excl. driver
17 V
Class III
Standard

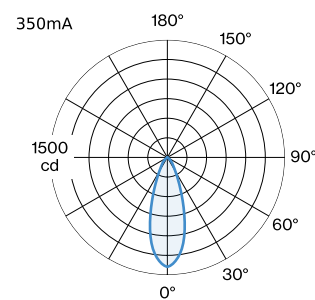
Physical

diameter 135 mm
height 96 mm
0.45 kg
wire springs

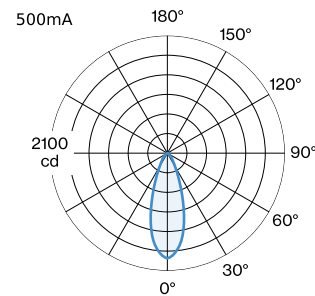
Cutout

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

LIGHT DISTRIBUTION



— C0/C180



— C0/C180

^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses



CONE DIAGRAM

medium (standard) 350mA

h (m)	E0° (lx)	ø (m)
1	1400	0.63
2	350	1.26
3	160	1.90
4	90	2.53
5	60	3.16

medium (standard) 500mA

h (m)	E0° (lx)	ø (m)
1	1880	0.63
2	470	1.26
3	210	1.90
4	120	2.53
5	80	3.16

Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.99	0.98	0.97	0.96	0.95
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