



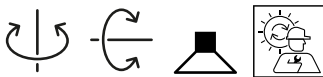
PROJECT

TYPE

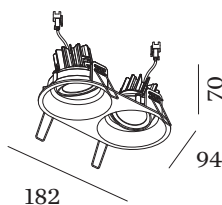
NOTES

QUANTITY

DATE



Oval ceiling recessed downlight made from die-cast aluminium; adjustable; surface Black Matt; powder coated, matt texture; RAL 9011; installation without tools using wire springs; suitable for ceiling thickness of 4-23 mm; recessed depth 90mm; with COB (Chip on Board) technology for maximum efficiency; light colour 2700 K; ≤ 2 SDCM (initial MacAdam); CRI ≥ 90 ; beam angle 15°; 355° rotatable and 35° 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
Recessed
tilt max 35 °
rotation 355 °
Black Matt
RAL 9011 ^a
IP20
Interior
1200 lm / 350mA
1610 lm / 500mA

LED MODULE

2700 K
CRI ≥ 90
L80 / 55000h
 ≤ 2 SDCM (initial MacAdam)
1500 lm / 350mA
126 lm/W ^b
11.9 W ^b

OPTICAL

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

ELECTRICAL

excl. driver
17 V
Class III

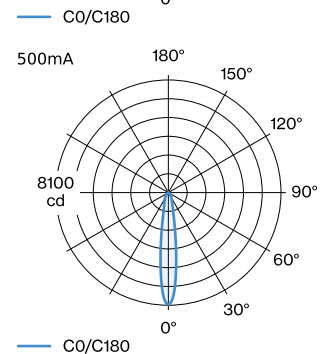
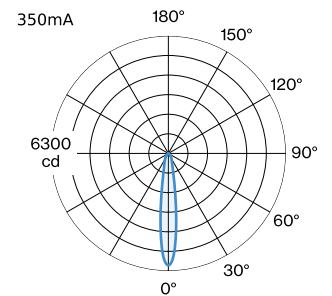
PHYSICAL

length 182 mm
width 94 mm
height 77 mm
0.61 kg
wire springs

CUTOUT

min. ceiling thickness 4 mm
max. ceiling thickness 23 mm
recessed depth 90 mm
Cut out: 2 x 86-89 | 88

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses



CONE DIAGRAM

narrow 16° 350mA			narrow 16° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	6000	0.28	1	8050	0.28
2	1500	0.55	2	2010	0.55
3	670	0.83	3	890	0.83
4	370	1.11	4	500	1.11
5	240	1.39	5	320	1.39

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 220-240VAC		13-20V	60·39·20	90214406
10W 500mA 12-21V phase-cut dim 220-240VAC		12-21V	115·41·25	90224403
15W 500mA 10-31V DALI-2 push dim 220-240VAC		10-31V	166·29·21	90244501

OTHER ACCESSORIES

METAL SPRING CLIP

TYPE	COLOUR	VOLTAGE	Ø (MM)	ITEM NUMBER
LED modules PAR16			59	90019700

SPRING CLIP

TYPE	COLOUR	VOLTAGE	Ø (MM)	ITEM NUMBER
LED Modules PAR16 max. 12W	Black		59	900198B0
LED Modules PAR16 max. 12W	White		59	900198W0