



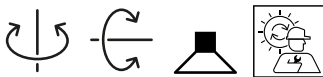
PROJECT

TYPE

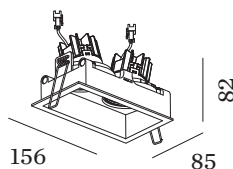
NOTES

QUANTITY

DATE



Rectangular 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 2-18 mm; recessed depth 95mm; 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; 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
1460 lm / 500mA
1080 lm / 350mA

LED MODULE

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

OPTICAL

Narrow
beam angle 15°
CIE flux code: 91 97 99 100 100

ELECTRICAL

excl. driver
17 V
Class III

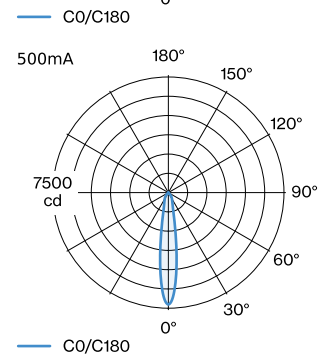
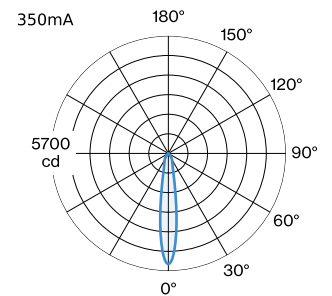
PHYSICAL

length 156 mm
width 85 mm
height 90 mm
0.48 kg
wire springs

CUTOUT

length 74 mm
width 148 mm
min. ceiling thickness 2 mm
max. ceiling thickness 18 mm
recessed depth 95 mm

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses



CONE DIAGRAM

narrow 17° 350mA			narrow 17° 500mA		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	5370	0.29	1	7260	0.29
2	1340	0.58	2	1820	0.58
3	600	0.87	3	810	0.87
4	340	1.16	4	450	1.16
5	210	1.45	5	290	1.45

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
6.3W 350mA 8.6-18V 100-240VAC		8.6-18V	66-39-22	90213303
10W 500mA 13-20V 220-240VAC		13-20V	60-39-20	90214406
10W 500mA 10-20V 100-277VAC		10-20V	60-40-24	90214407
8W 350mA 12-24V phase cut TE IP65 110-277VAC		12-24V	44-27-20	90223303
10W 500mA 12-21V phase-cut dim 220-240VAC		12-21V	115-41-25	90224403
30W 500mA 10-42V phase cut TE IP65 110-277VAC		10-42V	80-36-25	90224405
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	Bronze		59	900198Q0
LED Modules PAR16 max. 12W	Silver		59	900198S0
LED Modules PAR16 max. 12W	White		59	900198W0