



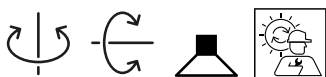
PROJECT

TYPE

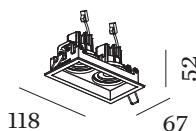
NOTES

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 2-22 mm; recessed depth 65 mm; 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 25° 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 25 °
rotation 355 °
Black Matt
RAL 9011 ^a
IP20
IC rated
Interior
1090 lm / 350mA

LED Module

2700 K
CRI ≥ 90
L70 / 55000h
 ≤ 2 SDCM (initial MacAdam)
1300 lm / 350mA
109 lm/W ^b
12 W ^b

Optical

Narrow
beam angle 15°
UGR ≤ 13
CIE flux code: 98 100 100 100
100
 $\geq 65^\circ < 3000 \text{ cd/m}^2$

Electrical

excl. driver
17 V
Class III
Standard

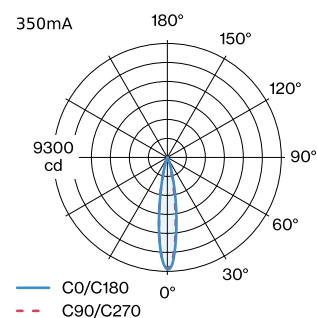
Physical

length 118 mm
width 67 mm
height 52 mm
0.15 kg
wire springs

Cutout

length 54 mm
width 110 mm
min. ceiling thickness 2 mm
max. ceiling thickness 22 mm
recessed depth 65 mm

LIGHT DISTRIBUTION



^a Colour may deviate slightly due to production conditions

^b Without electrical and optical losses



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
6W 350mA 8.6-18V		8.6-18V	67-39-22	90213303
10W 350mA 13-26V phase-cut dim		13-26V	115-41-25	90223406
14W 350mA 10-40V DALI-2 push dim		10-40V	166-29-21	90243502