



## PROJECT

## TYPE

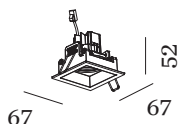
## NOTES

## QUANTITY

## DATE



Squared 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;  $\leq 2$  SDCM (initial MacAdam); CRI  $\geq 90$ ; beam angle 56°; 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 <sup>a</sup>  
IP20  
IC rated  
Interior  
565 lm / 350mA

## LED Module

2700 K  
CRI  $\geq 90$   
L70 / 55000h  
 $\leq 2$  SDCM (initial MacAdam)  
637 lm / 350mA  
104 lm/W <sup>b</sup>  
6.1 W <sup>b</sup>

## Optical

Wide  
beam angle 56°  
CIE flux code: 91 100 100 100  
100  
 $\geq 65^\circ < 3000 \text{ cd/m}^2$

## Electrical

excl. driver  
17 V  
Class III

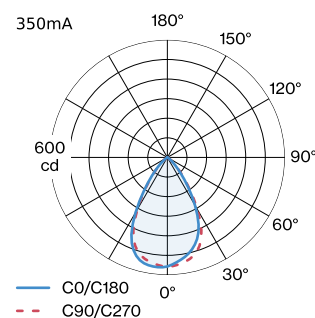
## Physical

length 67 mm  
width 67 mm  
height 52 mm  
0.08 kg  
wire springs

## Cutout

length 54 mm  
width 59 mm  
min. ceiling thickness 2 mm  
max. ceiling thickness 22 mm  
recessed depth 65 mm

## LIGHT DISTRIBUTION



<sup>a</sup> Colour may deviate slightly due to production conditions  
<sup>b</sup> Without electrical and optical losses



## Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.92	0.87	0.83	0.79	0.75
LSF	1	1	1	1	1

MF LMF × RSMF × LLMF × LSF

MF Maintenance Factor

LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor

LLMF Lamp Lumens Maintenance Factor

LSF Lamp Survival Factor

<sup>a</sup>According 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   1-10V dim		14-28V	101.5-51-29.5	90223401
10W   350mA   phase-cut dim		12-28V	102-38-21	90223402
14W   350mA   2.5-42V   DALI-2		2.5-42V	145-33-21	90243501