



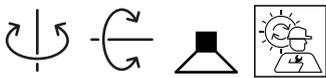
PROJECT _____

TYPE _____

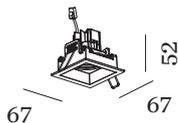
NOTES _____

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; ≤ 2 SDCM (initial MacAdam); CRI ≥ 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 & Ducreé or by a professional with explicit authorization;



LUMINAIRE

Ceiling _____
 Recessed _____
 tilt max 25 ° _____
 rotation 355 ° _____
 Black Matt _____
 RAL 9011 ^a _____
 IP20 _____
 IC rated _____
 Interior _____
 565 lm / 350mA _____

LED Module

2700 K _____
 CRI ≥ 90 _____
 L70 / 55000h _____
 ≤ 2 SDCM (initial MacAdam) _____
 635 lm / 350mA _____
 104 lm/W ^b _____
 6.1 W ^b _____

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 _____
 Standard _____

Physical

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

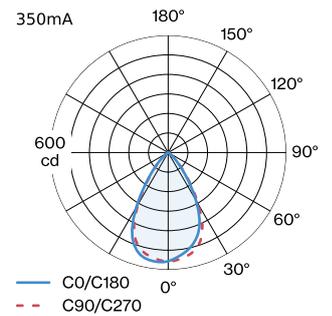
Cutout

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

datasheet.quicksum.material

Aluminium _____

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	0.92	0.87	0.83	0.79	0.75
LSF	1	1	1	1	1

$MF = LMF \times RSMF \times LLMF \times LSF$

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