



PROJECT

TYPE

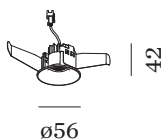
NOTES

QUANTITY

DATE



Round ceiling recessed luminaire made from aluminium; surface Black Matt; powder coated, matt texture; RAL 9005; installation without tools using wire springs; suitable for ceiling thickness of 4-25 mm; recessed depth 60 mm; with COB (Chip on Board) technology for maximum efficiency; 250 mA; light colour 3000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; beam angle 32°; degree of protection IP20; Class 3; IC rated; driver not included; light source replaceable by Wever & Ducré or by a professional with explicit authorization;



GENERAL

Ceiling _____
 Recessed _____
 Black Matt _____
 RAL 9005 ^a _____
 IP20 _____
 IC rated _____
 Interior _____
 450 lm _____

LED

3000 K _____
 CRI ≥ 90 _____
 initial MacAdam ≤ 2 SDCM _____

OPTICAL

Standard _____
 beam angle 32° _____

ELECTRICAL

excl. driver _____
 18 V _____
 inset 5.0 W _____
 Class 3 _____

PHYSICAL

diameter 56 mm _____
 height 42 mm _____
 0.05 kg _____
 wire springs _____

CUTOUT

diameter 48-51 mm _____
 min. ceiling thickness 4 mm _____
 max. ceiling thickness 25 mm _____
 recessed depth 60 mm _____

^a Colour may deviate slightly due to production conditions.



Maintenance Factor

Operating Time [h]	10.000	20.000	30.000	40.000	50.000
LLMF	0.96	0.92	0.88	0.84	0.81
LSF	1	1	1	1	1

MF	$LMF \times RSMF \times LLMF \times LSF$	RSMF ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire 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	Voltage	L·W·H (MM)	Item number
5W 250mA 13-26V	13-26V	69-34-22	90226201
7.2W 250mA 16-29V phase-cut dim	16-29V	122-41-23	90226401
13W 250mA 2.5-52V	2.5-52V	144-33-21	90246501