

FRAME 60 high lumen

trim

052-47M5117Z



Project / Type

Notes

Count / Date



General

Ceiling | Recessed

white | RAL 9016 ¹

IP20

2800 lm

1900 lm/m

LED

4000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 | R_f: 92 | R_{i(1-15)}: 90

MR 0.81 | MDER 0.74

Optical

Microprismatic | microprismatic

Electrical

non DIM

PC1 | 220-240 V

system 29.1 W

system 96 lm/W ²

20 W/m

Physical

trim

length 1493 mm | width 77 mm | height 78 mm

3.9 kg

Cutout

length 1483 mm | width 66 mm

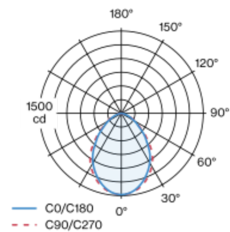
min. ceiling thickness 8 mm | max. ceiling thickness 25 mm

recessed depth 104 mm

¹ RAL code

² incl. consideration of optical losses, internal control unit losses & operating device efficiency

Light distribution



Product drawing



Installation instructions



Lighting calculator



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.96	0.94	0.92	0.9
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire Maintenance Factor		LSF	Lamp Survival Factor	

^a 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.

Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	15
B13	19
B16	24
B20	30
C10	25
C13	32
C16	40
C20	49

Mounting accessories

CONCRETE INSTALLATION HOUSING

L-W-H (MM)
1535-75-88

ARTICLE NUMBER(S)
035-04156

