

FRAME 60 high lumen

trim

052-47M2137Z



Project / Type

Notes

Count / Date



General

Ceiling | Recessed

white | RAL 9016 ¹

IP20

1120 lm

1960 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

PstLM ≤ 1.0 ² | SVM ≤ 0.4 ²

Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 12.1 W

system 93 lm/W ³

21 W/m

Physical

trim

length 593 mm | width 77 mm | height 78 mm

1.8 kg

Cutout

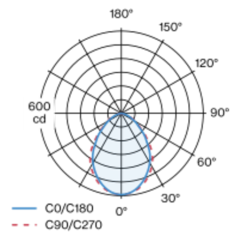
length 583 mm | width 66 mm

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

recessed depth 104 mm

¹ RAL code ² Value of containing product at full load (undimmed)
³ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Light distribution



Product drawing



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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	18
B13	23
B16	28
B20	35
C10	30
C13	38
C16	46
C20	58

Mounting accessories

CONCRETE INSTALLATION HOUSING

L-W-H (MM)	ARTICLE NUMBER(S)
635-75-88	035-04066

