

# FRAME 60 mid lumen

trim

052-47L801GZ



Project / Type

Notes

Count / Date



### General

Ceiling | Recessed

grey | RAL 9006 <sup>1</sup>

IP20

2460 lm

1050 lm/m

### LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 91 | R<sub>f(1-5)</sub>: 89

MR 0.61 | MDER 0.55

### Optical

Microprismatic | microprismatic

### Electrical

non DIM

PC1 | 220-240 V

system 26.6 W

system 92 lm/W <sup>2</sup>

11 W/m

### Physical

trim

length 2365 mm | width 77 mm | height 78 mm

5.8 kg

### Cutout

length 2355 mm | width 66 mm

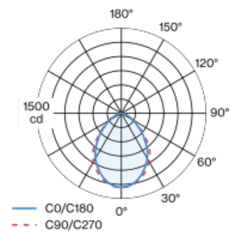
min. ceiling thickness 8 mm | max. ceiling thickness 25 mm

recessed depth 104 mm

<sup>1</sup> RAL code

<sup>2</sup> 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 <sup>a</sup>	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF <sup>a</sup>	Luminaire 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.

## 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)	ARTICLE NUMBER(S)
2407-75-88	035-04236

