

# FRAME 100 high lumen

trim

052-43M461GH



Project / Type

Notes

Count / Date



### General

Ceiling | Recessed

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

IP20

3540 lm

3020 lm/m

### LED

4000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.72 | MDER 0.66

### Optical

High Performance Opal | opal (lambertsch)

### Electrical

non DIM

PC1 | 220-240 V

system 27.5 W

system 129 lm/W <sup>2</sup>

23 W/m

### Physical

trim

length 1196 mm | width 120 mm | height 82 mm

4.7 kg

### Cutout

length 1184 mm | width 108 mm

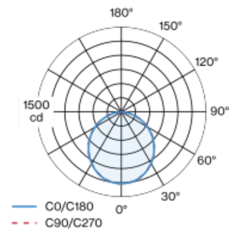
min. ceiling thickness 8 mm | max. ceiling thickness 25 mm

recessed depth 108 mm

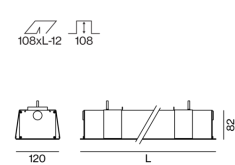
<sup>1</sup> RAL code

<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	0.95	0.93	0.91	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	17
B13	22
B16	28
B20	35

## Mounting accessories

### CONCRETE INSTALLATION HOUSING

L·W·H (MM)	ARTICLE NUMBER(S)
1235·116·94	036-05126

