

FRAME 60 mid lumen

trim

052-47L361GH



Project / Type

Notes

Count / Date



General

Ceiling | Recessed

grey | RAL 9006 ¹

IP20

1400 lm

1610 lm/m

LED

4000 K

CRI \geq 80

L90 / 50000 h

initial MacAdam \leq 3 SDCM

MR 0.72 | MDER 0.65

Optical

High Performance Opal | opal (lambertsch)

PstLM \leq 1.0 ² | SVM \leq 0.4 ²

Electrical

non DIM

PC1 | 220-240 V

system 10.3 W

system 136 lm/W ³

12 W/m

Physical

trim

length 893 mm | width 77 mm | height 78 mm

2.34 kg

Cutout

length 883 mm | width 66 mm

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

recessed depth 104 mm

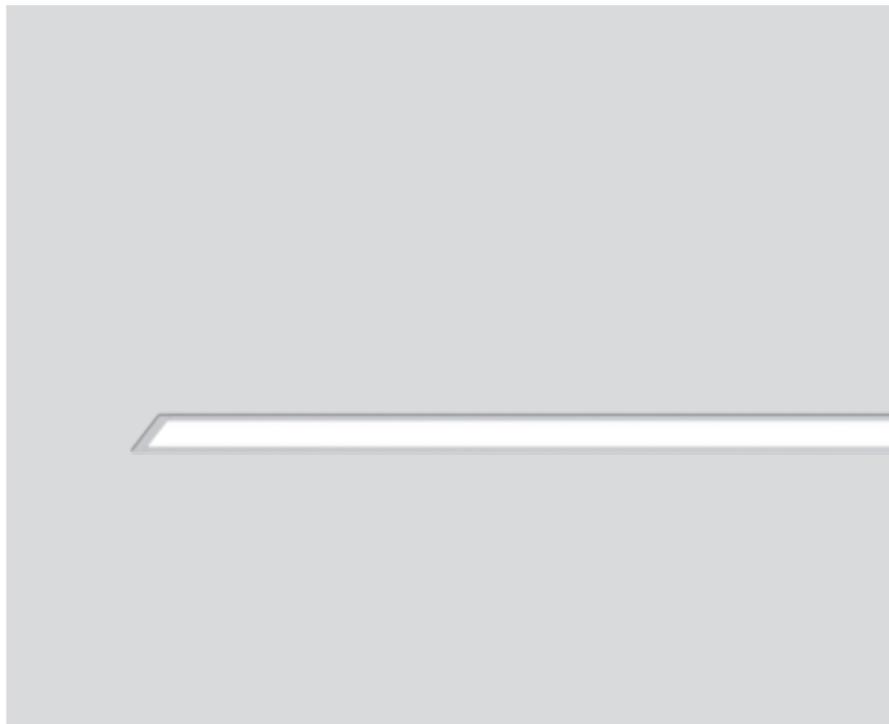
¹ RAL code ² Value of containing product at full load (undimmed)

³ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Installation instructions

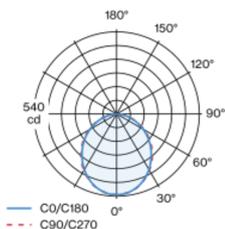


Lighting calculator

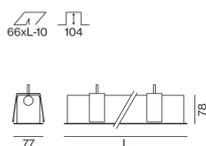


Luminaire housing made of extruded aluminium profile; recessed light with wrap around edge; suitable for ceiling thickness of 8-25 mm; surface grey powder coated; lighting profile (end cover and mounting bracket pre-assembled) available in advance for installation; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 4000 K; binning initial MacAdam \leq 3 SDCM; CRI \geq 80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; HPO (High Performance Opal) cover for uniform illumination; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

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	9
B13	13
B16	15
B20	18
C10	18
C13	26
C16	30
C20	36

Mounting accessories

CONCRETE INSTALLATION HOUSING

L·W·H (MM)
935·75·88

ARTICLE NUMBER(S)
035-04096

