

# FRAME 60 high lumen

trim system

007-93M3017 006-16092G 035-0093G



Project / Type

Notes

Count / Date



## General

Ceiling , Recessed

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

IP20

1560 lm

1780 lm/m

## LED

3000 K

CRI  $\geq$  90

L90 / 50000 h

initial MacAdam  $\leq$  3 SDCM

R<sub>g</sub>: 99 , R<sub>r</sub>: 91 , R<sub>(1-15)</sub>: 89

MR 0.61

MDER 0.55

## Optical

Microprismatic

microprismatic

PstLM  $\leq$  1.0 <sup>2</sup>

SVM  $\leq$  0.4 <sup>2</sup>

## Electrical

non DIM

220-240 V

system 17.5 W

system 89 lm/W<sup>3</sup>

PC1

20 W/m

## Physical

trim

length 872 mm

width 77 mm

height 78 mm

2.29 kg

## Cutout

length 888 mm

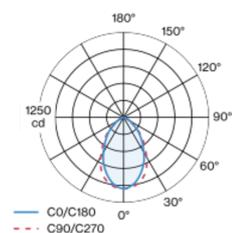
width 66 mm

min. ceiling thickness 8 mm

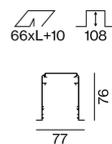
max. ceiling thickness 25 mm

recessed depth 108 mm

## Light distribution



## Product drawing



Luminaire housing made of extruded aluminium profile; recessed light with wrap around edge; for continuous lighting systems; suitable for ceiling thickness of 8-25 mm; surface grey powder coated; luminaire profile for mounting available in advance; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 3000 K; binning initial MacAdam  $\leq$  3 SDCM; CRI  $\geq$  90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. converter, non dimmable; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

<sup>3</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

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

## Components

### LIGHT OPTIC COVER

<b>TYPE</b>	<b>ARTICLE NUMBER(S)</b>
microprismatic (UGR<19)*	006-16092G

### INSTALLATION CHANNEL

<b>COLOUR</b>	<b>L-W-H (MM)</b>	<b>ARTICLE NUMBER(S)</b>
white aluminium	872-77-76	035-0093G

## Mounting accessories

### END CAPS

<b>TYPE</b>	<b>COLOUR</b>	<b>ARTICLE NUMBER(S)</b>
1 pair	traffic white	035-13137
1 pair	white aluminium	035-1313G

## Mounting accessories

### LINEAR CONNECTOR

<b>TYPE</b>	<b>ARTICLE NUMBER(S)</b>
1 piece	005-40046
10 pieces	005-40046:10

### OPAL COVER LINEAR CONNECTOR

<b>ARTICLE NUMBER(S)</b>
006-14000



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## Mounting accessories

### MOUNTING BRACKET

**TYPE**

1 piece

25 pieces

**ARTICLE NUMBER(S)**

035-10200

035-10200.25



## Electrical accessories

### THROUGH WIRE

**TYPE**

3 x 1,5 mm<sup>2</sup> | 10 pieces

5 x 1,5 mm<sup>2</sup> | 10 pieces

**ARTICLE NUMBER(S)**

004-90003

004-90005

