

# FRAME 60 mid lumen

trim system

007-93L9517 006-16302H 035-0303G



Project / Type

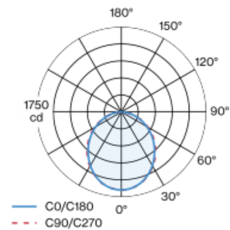
Notes

Count / Date

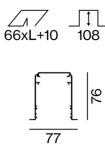


Luminaire housing made of extruded aluminium profile; recessed light with wrap around edge; for continuous lighting systems; suitable for ceiling thickness of 8-25 mm; surface grey powder coated; luminaire profile for mounting available in advance; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 80$ ; 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; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



### General

Ceiling , Recessed

grey , RAL9006 <sup>1</sup>

IP20

4240 lm

1410 lm/m

### LED

3000 K

CRI  $\geq 80$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

MR 0.56

MDER 0.51

### Optical

High Performance Opal

opal (lambertsch)

### Electrical

non DIM

220-240 V

system 33 W

PC1

system 128 lm/W<sup>2</sup>

11 W/m

### Physical

trim

length 3000 mm

width 77 mm

height 78 mm

6.8 kg

### Cutout

length 3016 mm

width 66 mm

min. ceiling thickness 8 mm

max. ceiling thickness 25 mm

recessed depth 108 mm

<sup>1</sup> RAL code  
<sup>2</sup> incl. optical losses and the efficiency of the operating device (converter)

## Installation instructions



## Lighting calculator



# FRAME 60 mid lumen

trim system

007-93L9517 006-16302H 035-0303G



Project / Type

Notes

Count / Date

## 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 Faktor            |        |

<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                 |

## Components

### LIGHT OPTIC COVER

| TYPE                  | ARTICLE NUMBER(S) |
|-----------------------|-------------------|
| opal high performance | 006-16302H        |

### INSTALLATION CHANNEL

| TYPE    | COLOUR          | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------|-----------------|------------|-------------------|
| 3000 mm | white aluminium | 3000-77-76 | 035-0303G         |



## Mounting accessories

### END CAPS

| TYPE   | COLOUR          | ARTICLE NUMBER(S) |
|--------|-----------------|-------------------|
| 1 pair | traffic white   | 035-13137         |
| 1 pair | white aluminium | 035-1313G         |



## Mounting accessories

### LINEAR CONNECTOR

| TYPE      | ARTICLE NUMBER(S) |
|-----------|-------------------|
| 1 piece   | 005-40046         |
| 10 pieces | 005-40046.10      |



### OPAL COVER LINEAR CONNECTOR

| ARTICLE NUMBER(S) |
|-------------------|
| 006-14000         |



# FRAME 60 mid lumen

trim system

007-93L9517 006-16302H 035-0303G



Project / Type

Notes

Count / Date

## Mounting accessories

### MOUNTING BRACKET

| TYPE      | ARTICLE NUMBER(S) |
|-----------|-------------------|
| 1 piece   | 035-10200         |
| 25 pieces | 035-10200.25      |



## Electrical accessories

### THROUGH WIRE

| TYPE                                | ARTICLE NUMBER(S) |
|-------------------------------------|-------------------|
| 3 x 1,5 mm <sup>2</sup>   10 pieces | 004-90003         |
| 5 x 1,5 mm <sup>2</sup>   10 pieces | 004-90005         |

