

# FRAME 60 mid lumen

trim system

007-93L5517 006-16152H 035-0153G



Project / Type

Notes

Count / Date



## General

Ceiling , Recessed

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

IP20

2060 lm

1400 lm/m

## LED

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.56

MDER 0.51

## Optical

High Performance Opal

opal (lambertsch)

## Electrical

non DIM

220-240 V

system 16.6 W

system 124 lm/W<sup>2</sup>

PC1

11 W/m

## Physical

trim

length 1472 mm

width 77 mm

height 78 mm

3.5 kg

## Cutout

length 1488 mm

width 66 mm

min. ceiling thickness 8 mm

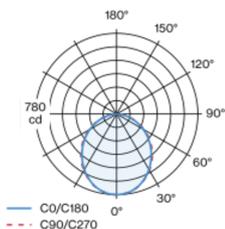
max. ceiling thickness 25 mm

recessed depth 108 mm

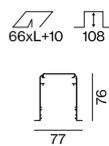


Luminaire housing made of extruded aluminium profile; recessed light with wrap around edge; for continuous lighting systems; suitable for ceiling thickness of 8-25 mm; surface grey powder coated; luminaire profile for mounting available in advance; remaining lamp components mounted without tools; LED light inset consisting of highly reflective lacquered aluminium for improved thermal management; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 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



<sup>1</sup> RAL code

<sup>2</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: 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  
 MF Maintenance Factor  
 LMF<sup>a</sup> Luminaire Maintenance Factor

RSMF<sup>a</sup> Room Surface Maintenance Factor  
 LLMF Lamp Lumens 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 | 006-16152H        |

### INSTALLATION CHANNEL

| COLOUR          | L-W-H (MM) | ARTICLE NUMBER(S) |
|-----------------|------------|-------------------|
| white aluminium | 1472-77-76 | 035-0153G         |

## 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         |



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### 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

