

# FRAME 40 reflector

trim system

042-0113037B 042-7004018



Project / Type \_\_\_\_\_

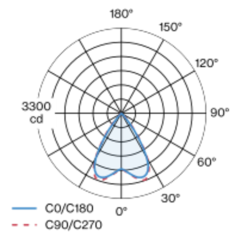
Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



Luminaire housing made of extruded aluminium profile; recessed light with wrap around edge; for continuous lighting systems; surface black powder coated; luminaire profile can be pre-mounted; pre-assembled power rail for power supply in luminaire profile; voltage tap of the light inset on the power rail; remaining lamp components mounted without tools; LED light inset incl. high gloss reflector with faceted design; Reflector dark chrome; 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; UGR  $\leq 19$ ; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above  $65^\circ \leq 1500$  cd/m<sup>2</sup>; degree of protection IP20; PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; 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 \_\_\_\_\_

black , RAL 9005 <sup>1</sup> \_\_\_\_\_

Reflector dark chrome \_\_\_\_\_

IP20 \_\_\_\_\_

3380 lm \_\_\_\_\_

2250 lm/m \_\_\_\_\_

## LED

3000 K \_\_\_\_\_

CRI  $\geq 90$  \_\_\_\_\_

L90 / 50000 h \_\_\_\_\_

initial MacAdam  $\leq 3$  SDCM \_\_\_\_\_

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

MR 0.61 \_\_\_\_\_

MDER 0.55 \_\_\_\_\_

## Optical

Reflector \_\_\_\_\_

symmetric \_\_\_\_\_

UGR  $\leq 19$  ,  $\geq 65^\circ < 1500$  cd/m<sup>2</sup> \_\_\_\_\_

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

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

## Electrical

DALI-2 \_\_\_\_\_

220-240 V \_\_\_\_\_

system 36 W \_\_\_\_\_

system 94 lm/W<sup>3</sup> \_\_\_\_\_

PC1 \_\_\_\_\_

1 DALI Addr. \_\_\_\_\_

24 W/m \_\_\_\_\_

## Physical

length 1500 mm \_\_\_\_\_

width 55 mm \_\_\_\_\_

height 60 mm \_\_\_\_\_

3.4 kg \_\_\_\_\_

## Cutout

length 2010 mm \_\_\_\_\_

width 45 mm \_\_\_\_\_

<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



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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                            | 36                 |
| B13                            | 47                 |
| B16                            | 58                 |
| C10                            | 36                 |
| C13                            | 78                 |
| C16                            | 58                 |

## Components

### INSTALLATION CHANNEL

| COLOUR    | L-W-H (MM) | ARTICLE NUMBER(S) |
|-----------|------------|-------------------|
| jet black | 2000-55-60 | 042-7004018       |



## Mounting accessories

### END CAPS

| TYPE   | COLOUR          | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------|-----------------|------------|-------------------|
| 1 pair | traffic white   | 55-60-8    | 042-7090017       |
| 1 pair | white aluminium | 55-60-8    | 042-709001G       |
| 1 pair | jet black       | 55-60-8    | 042-7090018       |



## Mounting accessories

### LINEAR CONNECTOR

| TYPE                    | COLOUR    | L-W-H (MM) | ARTICLE NUMBER(S) |
|-------------------------|-----------|------------|-------------------|
| mechanical              | jet black | 120-36-14  | 042-7091110       |
| mechanical & electrical | jet black | 120-36-14  | 042-7091230       |



### OPAL COVER LINEAR CONNECTOR

| COLOUR     | L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|------------|-------------------|
| pure white | 120-36-14  | 042-1091910       |



### MICROPRISMATIC COVER LINEAR CONNECTOR

| COLOUR     | L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|------------|-------------------|
| pure white | 120-36-14  | 042-1091810       |



[042-0113037B 042-7004018] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.  
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## Mounting accessories

### MOUNTING BRACKET

| TYPE      | ARTICLE NUMBER(S) |
|-----------|-------------------|
| 1 piece   | 042-7092110       |
| 25 pieces | 042-7092110.25    |



## Electrical accessories

### POWER FEEDER UNIT

| L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 80-36-17   | 042-1093230       |



## Optical accessories

### BLIND COVER

| TYPE    | COLOUR          | ARTICLE NUMBER(S) |
|---------|-----------------|-------------------|
| 1000 mm | traffic white   | 006-4210017B      |
| 1000 mm | jet black       | 006-4210018B      |
| 1000 mm | white aluminium | 006-421001GB      |
| 2000 mm | traffic white   | 006-4220017B      |
| 2000 mm | jet black       | 006-4220018B      |
| 2000 mm | white aluminium | 006-422001GB      |
| 3000 mm | traffic white   | 006-4230017B      |
| 3000 mm | jet black       | 006-4230018B      |
| 3000 mm | white aluminium | 006-423001GB      |



### CONTINUOUS LINEAR COVER

| TYPE     | ARTICLE NUMBER(S) |
|----------|-------------------|
| 25000 mm | 006-2225010H      |
| 6000 mm  | 006-2206010H      |

