

# FRAME 40 high lumen

trim system

042-0122137 006-4210010H 042-7002018



Project / Type

Notes

Count / Date



### General

Ceiling , Recessed

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

IP20

2260 lm

2260 lm/m

### LED

4000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 , R<sub>r</sub>: 92 , R<sub>t(1-15)</sub>: 90

MR 0.81

MDER 0.74

### Optical

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0 <sup>2</sup>

SVM ≤ 0.4 <sup>2</sup>

### Electrical

DALI-2

220-240 V

system 18.5 W

system 122 lm/W<sup>3</sup>

PC1

18 W/m

### Physical

trim

length 1000 mm

width 55 mm

height 60 mm

0.91 kg

### Cutout

length 1010 mm

width 45 mm

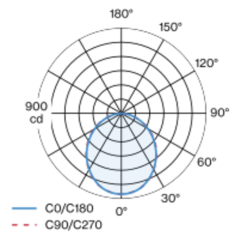
min. ceiling thickness 8 mm

max. ceiling thickness 25 mm

recessed depth 100 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 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 consisting of highly reflective lacquered aluminium for improved thermal management; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; 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



<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                            | 13                 |
| B13                            | 17                 |
| B16                            | 21                 |
| B20                            | 27                 |
| C10                            | 21                 |
| C13                            | 28                 |
| C16                            | 35                 |
| C20                            | 45                 |

## Components

### LINEAR COVER

|         |                   |
|---------|-------------------|
| TYPE    | ARTICLE NUMBER(S) |
| 1000 mm | 006-4210010H      |

### INSTALLATION CHANNEL

|           |            |                   |
|-----------|------------|-------------------|
| COLOUR    | L-W-H (MM) | ARTICLE NUMBER(S) |
| jet black | 1000-55-60 | 042-7002018       |

## 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       |



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### 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      |

