

FRAME 40 flex high lumen

trim system

042-012G037 006-4220010H 042-7004017



Project / Type

Notes

Count / Date



General

Ceiling , Recessed

traffic white , RAL 9016 ¹

IP20

4190 lm

2100 lm/m

LED

3000 K

CRI ≥ 90

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 , R_r: 91 , R_{t(1-15)}: 89

MR 0.61

MDER 0.55

Optical

High Performance Opal

opal (lambertsch)

PstLM ≤ 1.0² ³

SVM ≤ 0.4² ³

Electrical

DALI-2

220-240 V

system 36 W

system 116 lm/W⁴

PC1

18 W/m

Physical

trim

length 2000 mm

width 55 mm

height 60 mm

4.1 kg

L (mm): 1500 - 2000, breakable every 125mm

Cutout

length 2010 mm

width 45 mm

min. ceiling thickness 8 mm

max. ceiling thickness 25 mm

recessed depth 100 mm

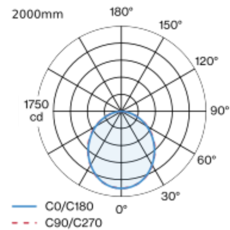
¹ RAL code ² 2000mm

³ Value of containing product at full load (undimmed)

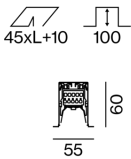
⁴ incl. consideration of optical losses, internal control unit losses & operating device efficiency

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 traffic white 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 3000 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



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 ^a | Room Surface Maintenance Factor | |
| MF | Maintenance Factor | | LLMF | Lamp Lumens Maintenance Factor | |
| LMF ^a | Luminaire Maintenance Factor | | LSF | Lamp Survival Factor | |

^a 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) |
|---------|-------------------|
| 2000 mm | 006-4220010H |

INSTALLATION CHANNEL

| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|---------------|------------|-------------------|
| traffic white | 2000-55-60 | 042-7004017 |

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 |



[042-012G037 006-4220010H 042-7004017] 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 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 |

