

# FRAME 40 mid lumen

trim system

042-0112137 006-4210010H 042-7002018



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 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  $\leq 3$  SDCM; CRI  $\geq 90$ ; 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



## General

Ceiling | Recessed

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

IP20

1470 lm

1470 lm/m

## LED

4000 K

CRI  $\geq 90$

L90 / 50000 h

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 92 | R<sub>f(1-15)</sub>: 90

MR 0.81 | MDER 0.74

## Optical

High Performance Opal | opal (lambertsch)

PstLM  $\leq 1.0$  <sup>2</sup> | SVM  $\leq 0.4$  <sup>2</sup>

## Electrical

DALI-2

PC1 | 220-240 V

system 12.1 W

system 121 lm/W <sup>3</sup>

12 W/m

## Physical

trim

length 1000 mm | width 55 mm | height 60 mm

0.39 kg

not breakable

## Cutout

length 1010 mm | width 45 mm

min. ceiling thickness 8 mm | max. ceiling thickness 25 mm

recessed depth 100 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



## 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 <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	21
B13	27
B16	34
B20	42
C10	35
C13	45
C16	56
C20	70

## Components

### LINEAR COVER

ARTICLE NUMBER(S)  
006-4210010H

### INSTALLATION CHANNEL with trim

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



## Mounting accessories

### END CAPS recessed trim

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



[\*042-0112137 006-4210010H 042-7002018\*] 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 recessed trim

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



## Mounting accessories

### INSTALLATION CHANNEL corner 90° with cover

TYPE	COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
opal high performance	traffic white	250-250-60	042-700C017H
microprismatic	traffic white	250-250-60	042-700C017Z
opal high performance	jet black	250-250-60	042-700C018H
microprismatic	jet black	250-250-60	042-700C018Z
opal high performance	white aluminium	250-250-60	042-700C01GH
microprismatic	white aluminium	250-250-60	042-700C01GZ

## Electrical accessories

### POWER FEEDER UNIT

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



## Optical accessories

### BLIND COVER

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



### CONTINUOUS LINEAR COVER

ARTICLE NUMBER(S)
006-2225010H
006-2206010H

