

# FRAME 40 reflector

trim system

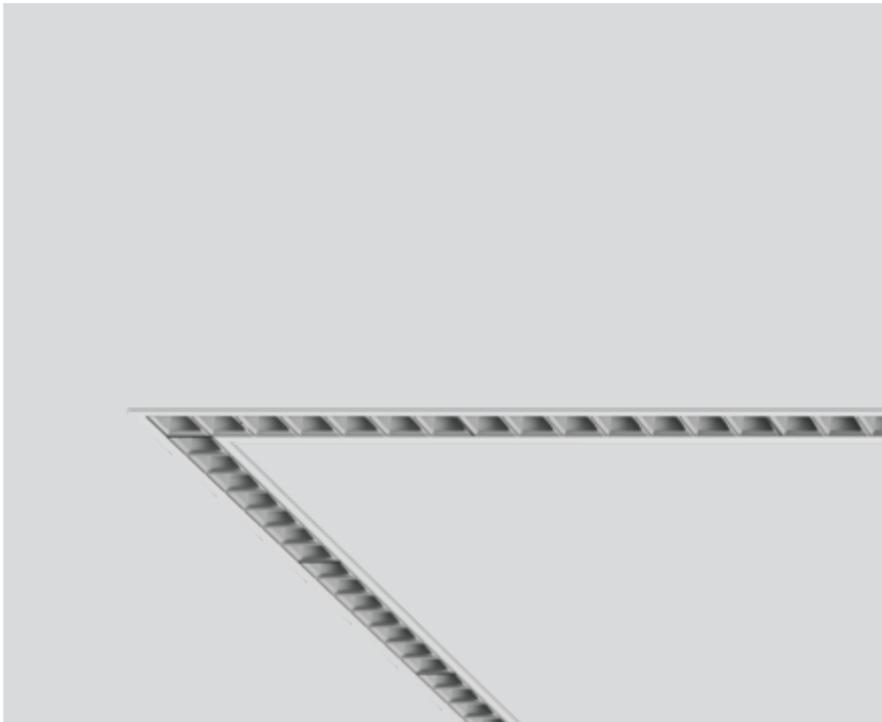
042-0114137B 042-700401G



Project / Type

Notes

Count / Date



## General

Ceiling , Recessed

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

Reflector dark chrome

IP20

4870 lm

2430 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-15)</sub>: 90

MR 0.81

MDER 0.74

## Optical

Reflector

symmetric

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

P<sub>st</sub>LM  $\leq$  1.0 <sup>2</sup>

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

## Electrical

DALI-2

220-240 V

system 48 W

system 101 lm/W<sup>3</sup>

PC1

1 DALI Addr.

24 W/m

## Physical

length 2000 mm

width 55 mm

height 60 mm

5.5 kg

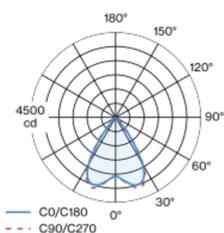
## Cutout

length 2010 mm

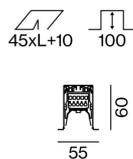
width 45 mm

Luminaire housing made of extruded aluminium profile; recessed light with wrap around edge; for continuous lighting systems; surface grey 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 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; UGR  $\leq$  19; VDU compatible workplace luminaire according to DIN EN 12464-1; luminance above 65°  $\leq$  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



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

<sup>3</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	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 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	13
B13	17
B16	21
B20	27
C10	21
C13	28
C16	35
C20	45

## Components

### INSTALLATION CHANNEL

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
white aluminium	2000-55-60	042-700401G



### 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



[042-0114137B 042-700401G] 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**

1 piece  
25 pieces

**ARTICLE NUMBER(S)**

042-7092110  
042-7092110.25



## Electrical accessories

### POWER FEEDER UNIT

**L-W-H (MM)**  
80-36-17

**ARTICLE NUMBER(S)**

042-1093230



## Optical accessories

### BLIND COVER

**TYPE**

1000 mm  
1000 mm  
1000 mm  
2000 mm  
2000 mm  
2000 mm  
3000 mm  
3000 mm  
3000 mm

**COLOUR**

traffic white  
jet black  
white aluminium  
traffic white  
jet black  
white aluminium  
traffic white  
jet black  
white aluminium

**ARTICLE NUMBER(S)**

006-4210017B  
006-4210018B  
006-421001GB  
006-4220017B  
006-4220018B  
006-422001GB  
006-4230017B  
006-4230018B  
006-423001GB



### CONTINUOUS LINEAR COVER

**TYPE**

25000 mm  
6000 mm

**ARTICLE NUMBER(S)**

006-2225010H  
006-2206010H

