

# FRAME 40 flex mid lumen

trim system

042-011G137 006-4220010Z 042-7004017



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

Notes \_\_\_\_\_

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



## General

Ceiling , Recessed \_\_\_\_\_

traffic white , RAL 9016 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

2600 lm \_\_\_\_\_

1300 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

Microprismatic \_\_\_\_\_

microprismatic \_\_\_\_\_

PstLM ≤ 1.0<sup>2</sup> <sup>3</sup> \_\_\_\_\_

SVM ≤ 0.4<sup>2</sup> <sup>3</sup> \_\_\_\_\_

## Electrical

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

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

system 23.4 W \_\_\_\_\_

system 111 lm/W<sup>4</sup> \_\_\_\_\_

PC1 \_\_\_\_\_

12 W/m \_\_\_\_\_

## Physical

trim \_\_\_\_\_

length 2000 mm \_\_\_\_\_

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

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

5.5 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 \_\_\_\_\_

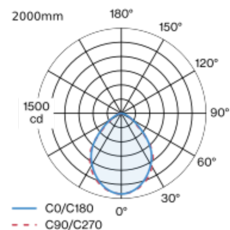
<sup>1</sup> RAL code <sup>2</sup> 2000mm

<sup>3</sup> Value of containing product at full load (undimmed)

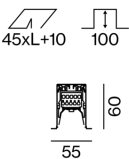
<sup>4</sup> incl. consideration of optical losses, internal control unit losses & operating device efficiency

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 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



## 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	20
B13	26
B16	32
B20	41
C10	33
C13	43
C16	53
C20	68

## Components

### LINEAR COVER

TYPE	ARTICLE NUMBER(S)
2000 mm	006-4220010Z

### 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



[042-011G137 006-4220010Z 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 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

