

# FRAME 40 flex mid lumen

trim system

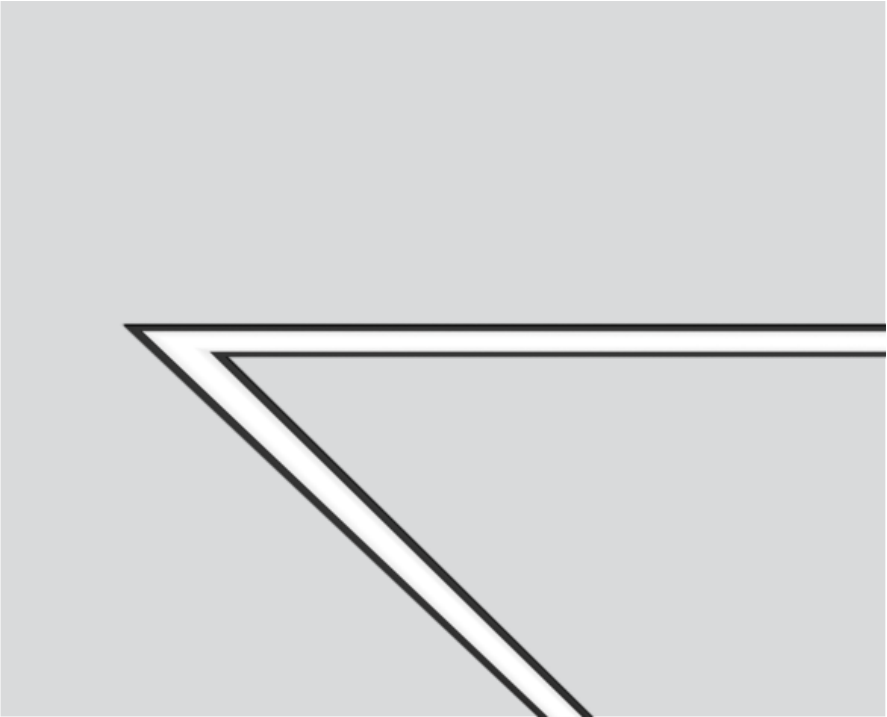
042-011F137 006-4210010H 042-7002018



Project / Type

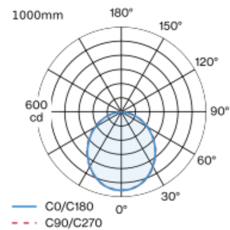
Notes

Count / Date

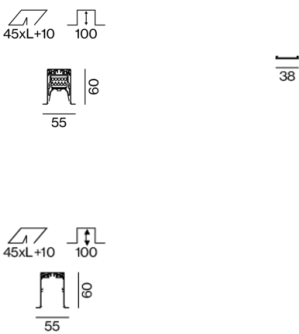


Luminaire housing made of extruded aluminium profile; recessed light with wrap around edge; for continuous lighting systems; suitable for ceiling thickness of 8-25 mm; surface jet black powder coated; luminaire profile can be pre-mounted; pre-assembled power rail for power supply in luminaire profile; 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

jet black | RAL 9005

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>i(1-15)</sub>: 90

MR 0.81 | MDER 0.74

## Optical

High Performance Opal | opal (lambertsch)

P<sub>stLM</sub>  $\leq 1.0$ <sup>1 2 3 4 5 6 7 8 9 10</sup> | SVM  $\leq 0.4$ <sup>1 2 3 4 5 6 7 8 9 10</sup>

## Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 12.1 W

system 121 lm/W<sup>11</sup>

12 W/m

## Physical

trim

length 1000 mm | width 55 mm | height 60 mm

0.69 kg

L (mm): 500 - 1000, breakable every 62.5mm

## Cutout

length 1010 mm | width 45 mm

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

recessed depth 100 mm

<sup>1</sup> 1000mm <sup>2</sup> 750mm <sup>3</sup> 562.5mm <sup>4</sup> 625mm <sup>5</sup> 812.5mm <sup>6</sup> 875mm  
<sup>7</sup> 937.5mm <sup>8</sup> 687.5mm <sup>9</sup> 500mm  
<sup>10</sup> Value of containing product at full load (undimmed)  
<sup>11</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

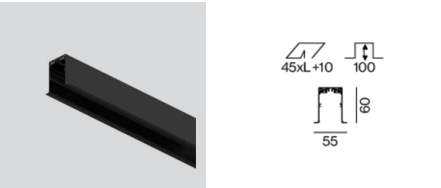
### LINEAR COVER

TYPE	ARTICLE NUMBER(S)
opal	006-4210010H



### INSTALLATION CHANNEL with trim

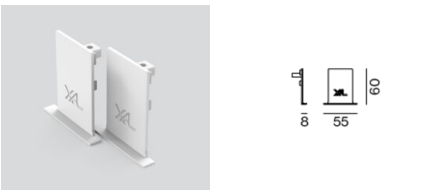
COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
jet black	1000-55-60	042-7002018



## 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



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## 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



## 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



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Notes

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## Optical accessories

### BLIND COVER

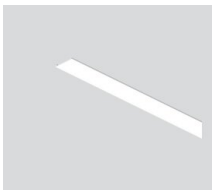
COLOUR	ARTICLE NUMBER(S)
traffic white	006-4210017B
jet black	006-4210018B
white aluminium	006-421001GB
traffic white	006-4220017B
jet black	006-4220018B
white aluminium	006-422001GB
traffic white	006-4230017B
jet black	006-4230018B
white aluminium	006-423001GB



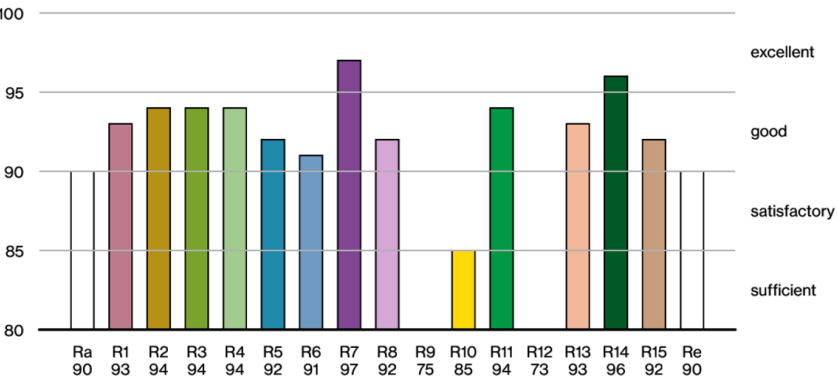
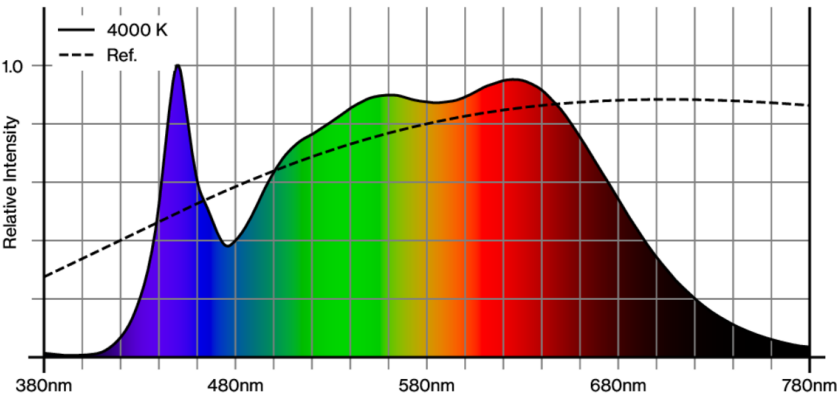
1  
38

### CONTINUOUS LINEAR COVER

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



## Colour rendering



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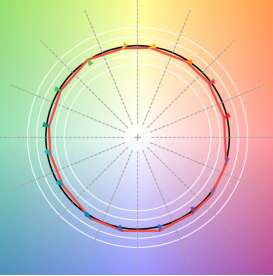


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## TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.

