

# LENO microprismatic

semi-recessed / surface system

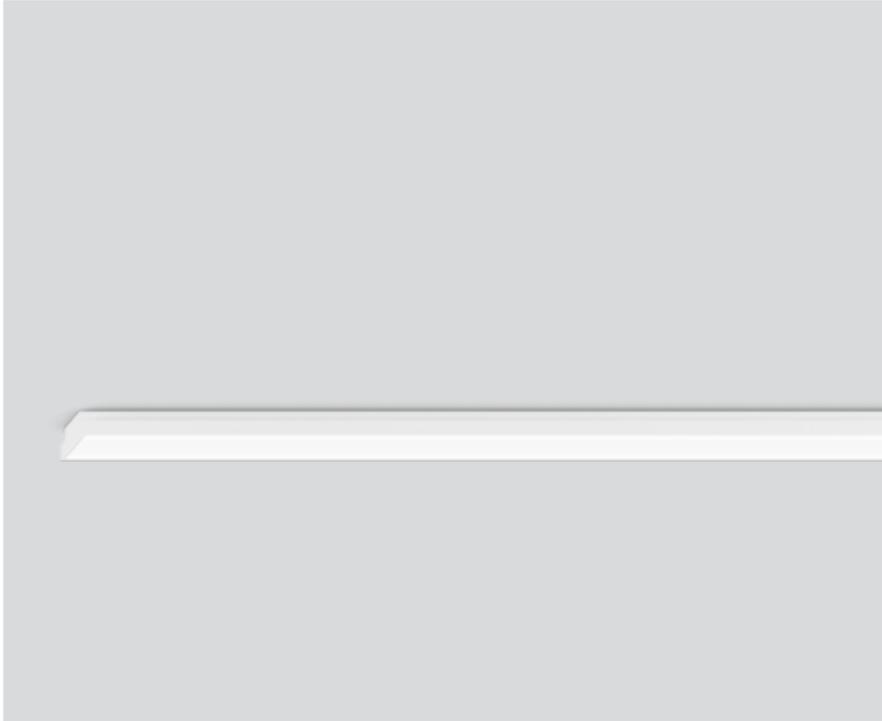
051-8216637G 051-8920187



Project / Type

Notes

Count / Date



## General

Ceiling / Wall , Semi-Recessed<sup>1</sup>-Surface<sup>2</sup>  
 white , RAL 9010<sup>3</sup>  
 front IP40<sup>1</sup>-IP20<sup>2</sup> , back IP20  
 3680 lm  
 2010 lm/m  
 traffic white

## LED

4000 K  
 CRI ≥ 80  
 L90 / 50000 h  
 initial MacAdam ≤ 3 SDCM  
 MR 0.72  
 MDER 0.66

## Optical

Microprismatic  
 microprismatic  
 UGR < 19  
 PstLM ≤ 1.0<sup>1 2 4</sup>  
 SVM ≤ 0.4<sup>1 2 4</sup>

## Electrical

DALI-2  
 220-240 V  
 system 28.6 W  
 system 129 lm/W<sup>5</sup>  
 PC1  
 1 DALI Addr.  
 16 W/m

## Physical

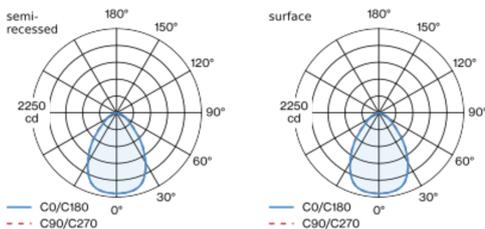
length 1830 mm  
 width 89 mm  
 height 28 mm  
 4.3 kg

## Cutout

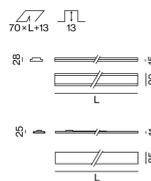
length 1843 mm  
 width 70 mm  
 min. ceiling thickness 12.5 mm  
 recessed depth 13 mm

Low profile recessed mounted luminaire, 15 mm visible height or low profile surface mounted luminaire, 28 mm total height; converter integrated into luminaire housing; suitable for wall or ceiling mounting; suitable for installation in primed or exposed concrete, in plasterboard constructions and in plastered walls or ceilings; for continuous lighting systems; surface white powder coated; fall-safe light inset made of extruded aluminium profile, can be inserted in the canal without tools by magnetic holders; side coupled light directed downward through LGP (LIGHT GUIDING PRISM) body and high efficiency reflector; micro prismatic PMMA diffuser incl. diffuser film for homogeneous illumination and reduced luminance; UGR ≤ 19; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 80; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection from below IP40 (from above IP20); PC1; 220-240 V; internal wiring in light halogen free; incl. DALI-2 converter; accessories are listed separately; light source not replaceable; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



<sup>1</sup> semi-recessed <sup>2</sup> surface <sup>3</sup> RAL code

<sup>4</sup> Value of containing product at full load (undimmed)

<sup>5</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



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.95	0.93	0.91	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	18
B13	24
B16	30
B20	37
C10	31
C13	40
C16	51
C20	62

## Components

### INSTALLATION CHANNEL

COLOUR	L-W-H (MM)	ARTICLE NUMBER(S)
traffic white	1830-89-28	051-8920187



### Mounting accessories

#### END CAPS

COLOUR	ARTICLE NUMBER(S)
pure white	051-8992217
jet black	051-8992218



### Mounting accessories

#### LINEAR CONNECTOR

TYPE	ARTICLE NUMBER(S)
1 pair	051-8992110
10 pairs	051-8992110:10



#### POWER FEEDER CONNECTOR

ARTICLE NUMBER(S)
051-8992330



### Other accessories

#### DISMOUNTING TOOL

TYPE	ARTICLE NUMBER(S)
vacuum cup	086-30000



[051-8216637G 051-8920187] 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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