

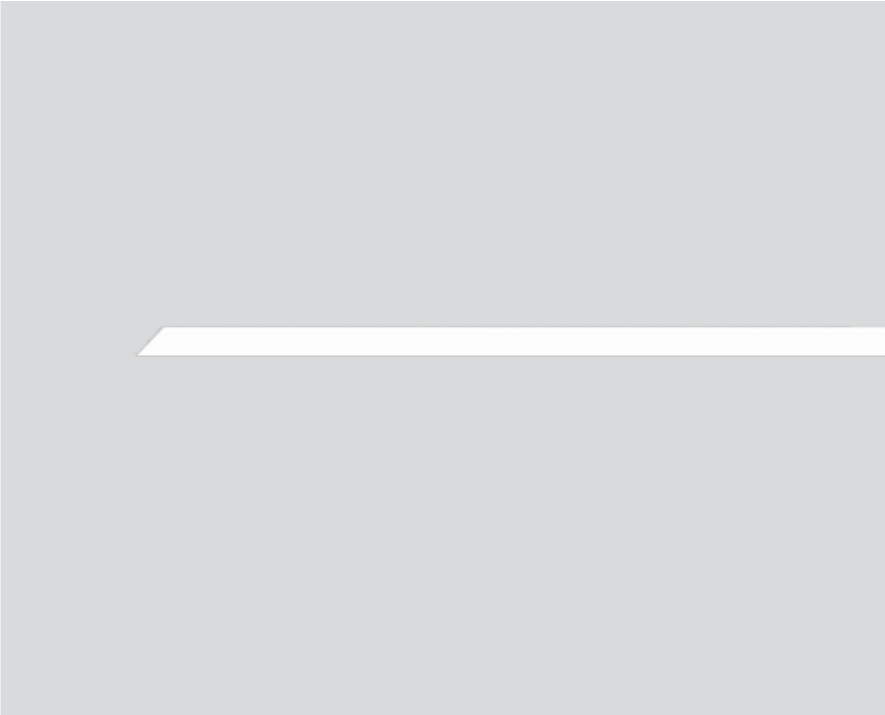
LENO opal

trimless system

051-8018537H 051-8900247

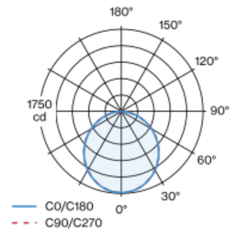


Project / Type
Notes
Count / Date

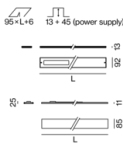


Low profile recessed channel, height 13 mm; suitable for rimless installation in 12.5mm plasterboard ceilings; specially designed trim with grooves for better adhesion of smoothing compound; suitable for wall or ceiling mounting; for continuous lighting systems; surface traffic white powder coated; easy mounting without need to cut the substructure; 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; HPO (High Performance Opal) cover for uniform illumination; flush cover; light colour 3000 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); PC2; 220-240 V; internal wiring in light halogen free; incl. external converter for ceiling insertion; DALI-2 control; accessories are listed separately; light source not replaceable; control gear replaceable by an authorized professional;

Light distribution



Product drawing



General

Ceiling / Wall Recessed
traffic white RAL 9016
front IP40 back IP20
4900 lm
2010 lm/m

LED

3000 K
CRI ≥ 80
L90 / 50000 h
initial MacAdam ≤ 3 SDCM
MR 0.54 MDER 0.49

Optical

High Performance Opal opal (lambertsch)
PstLM ≤ 1.0 ¹ SVM ≤ 0.4 ¹

Electrical

DALI-2 1 DALI Addr.
PC2 220-240 V
system 38 W
system 129 lm/W ²
16 W/m

Physical

trimless
length 2438 mm width 92 mm height 13 mm
5.3 kg

Cutout

length 2444 mm width 95 mm
min. ceiling thickness 12.5 mm max. ceiling thickness 25 mm
recessed depth 58 mm
recessed depth: 12.5 mm (ceiling) + 45 mm (converter)

¹ Value of containing product at full load (undimmed)
² 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

MF

Maintenance Factor

LMF^a

Luminaire Maintenance Factor

RSMF^a

Room Surface Maintenance Factor

LLMF

Lamp Lumens Maintenance Factor

LSF

Lamp Survival Factor

^a 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	18
B16	22
B20	28
C10	21
C13	30
C16	36
C20	46

Components

INSTALLATION CHANNEL trimless

L-W-H (MM)	ARTICLE NUMBER(S)
2438-92-13	051-8900247



Mounting accessories

END CAPS trimless

TYPE	ARTICLE NUMBER(S)
1 pair	051-8990217



Mounting accessories

LINEAR CONNECTOR recessed

TYPE	ARTICLE NUMBER(S)
1 pair	051-8990110
10 pairs	051-8990110.10



Other accessories

DISMOUNTING TOOL

TYPE	ARTICLE NUMBER(S)
vacuum cup	086-30000

