

LENO microprismatic

semi-recessed / surface system

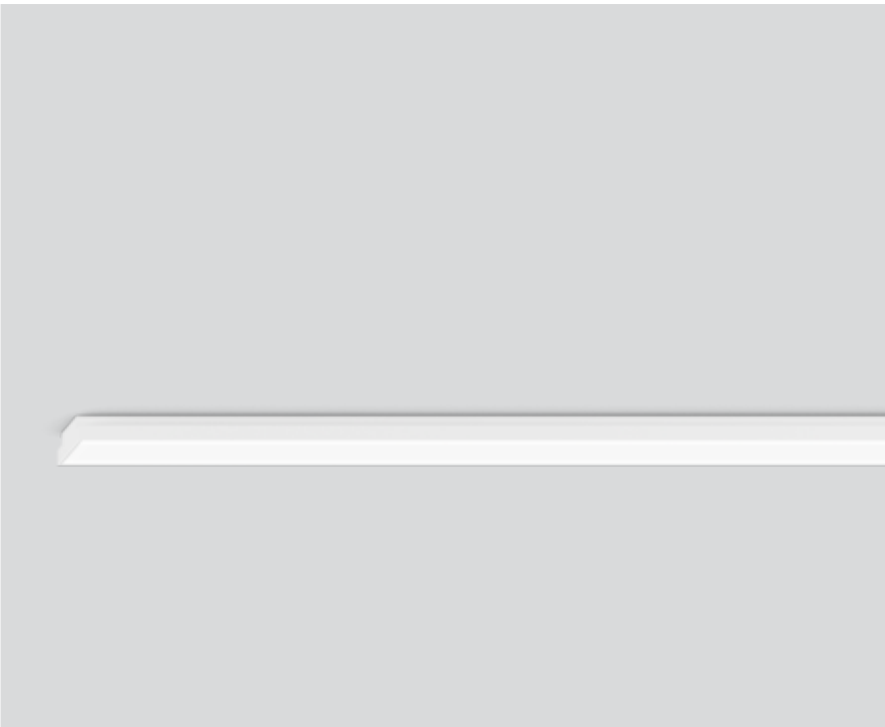
051-8112537G 051-8920067



Project / Type

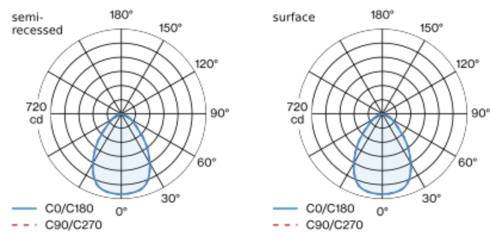
Notes

Count / Date

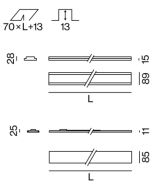


Low profile recessed mounted luminaire, 15 mm visible height or low profile surface mounted luminaire, 28 mm total height; converter integrated into luminaire housing; suitable for wall or ceiling mounting; suitable for installation in primed or exposed concrete, in plasterboard constructions and in 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 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); 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



General

Ceiling / Wall | Semi-Recessed¹-Surface²

white | RAL 9010³

front IP40¹-IP20² | back IP20

1160 lm

1890 lm/m

traffic white

LED

3000 K

CRI ≥ 80

L90 / 50000 h

initial MacAdam ≤ 3 SDCM

MR 0.54 | MDER 0.49

Optical

Microprismatic | microprismatic

UGR ≤ 19

PstLM ≤ 1.0 ^{1 2 4} | SVM ≤ 0.4 ^{1 2 4}

Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 10.8 W

system 107 lm/W⁵

18 W/m

Physical

length 613 mm | width 89 mm | height 28 mm

1.8 kg

Cutout

length 626 mm | width 70 mm

min. ceiling thickness 12.5 mm

recessed depth 13 mm

¹ semi-recessed ² surface ³ RAL code
⁴ Value of containing product at full load (undimmed)
⁵ 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 ^a Room Surface Maintenance Factor | | |
| MF | Maintenance Factor | | LLMF Lamp Lumens Maintenance Factor | | |
| LMF ^a | Luminaire 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 | 18 |
| B13 | 24 |
| B16 | 30 |
| B20 | 37 |
| C10 | 31 |
| C13 | 40 |
| C16 | 51 |
| C20 | 62 |

Components

INSTALLATION CHANNEL semi-recessed / surface

| | | |
|---------------|------------|-------------------|
| COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
| traffic white | 613-89-28 | 051-8920067 |



Mounting accessories

END CAPS MOUNTING HOUSING

| | |
|--------|-------------------|
| TYPE | ARTICLE NUMBER(S) |
| 1 pair | 051-8996210 |



END CAPS semi-recessed

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



Mounting accessories

LINEAR CONNECTOR semi-recessed / surface

| | |
|----------|-------------------|
| TYPE | ARTICLE NUMBER(S) |
| 1 pair | 051-8992110 |
| 10 pairs | 051-8992110.10 |



POWER FEEDER CONNECTOR

| | |
|-----------------|-------------------|
| TYPE | ARTICLE NUMBER(S) |
| 220-240 V 13A | 051-8992330 |



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CONCRETE MOUNTING HOUSING

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|-----------|------------|-------------------|
| end | 616-67-28 | 051-8960060 |
| start/end | 1224-67-28 | 051-8960120 |
| middle | 1221-67-28 | 051-8961120 |
| start/end | 1833-67-28 | 051-8960180 |
| middle | 1830-67-28 | 051-8961180 |
| start/end | 2441-67-28 | 051-8960240 |
| middle | 2438-67-28 | 051-8961240 |



Other accessories

DISMOUNTING TOOL

| TYPE | ARTICLE NUMBER(S) |
|------------|-------------------|
| vacuum cup | 086-30000 |

