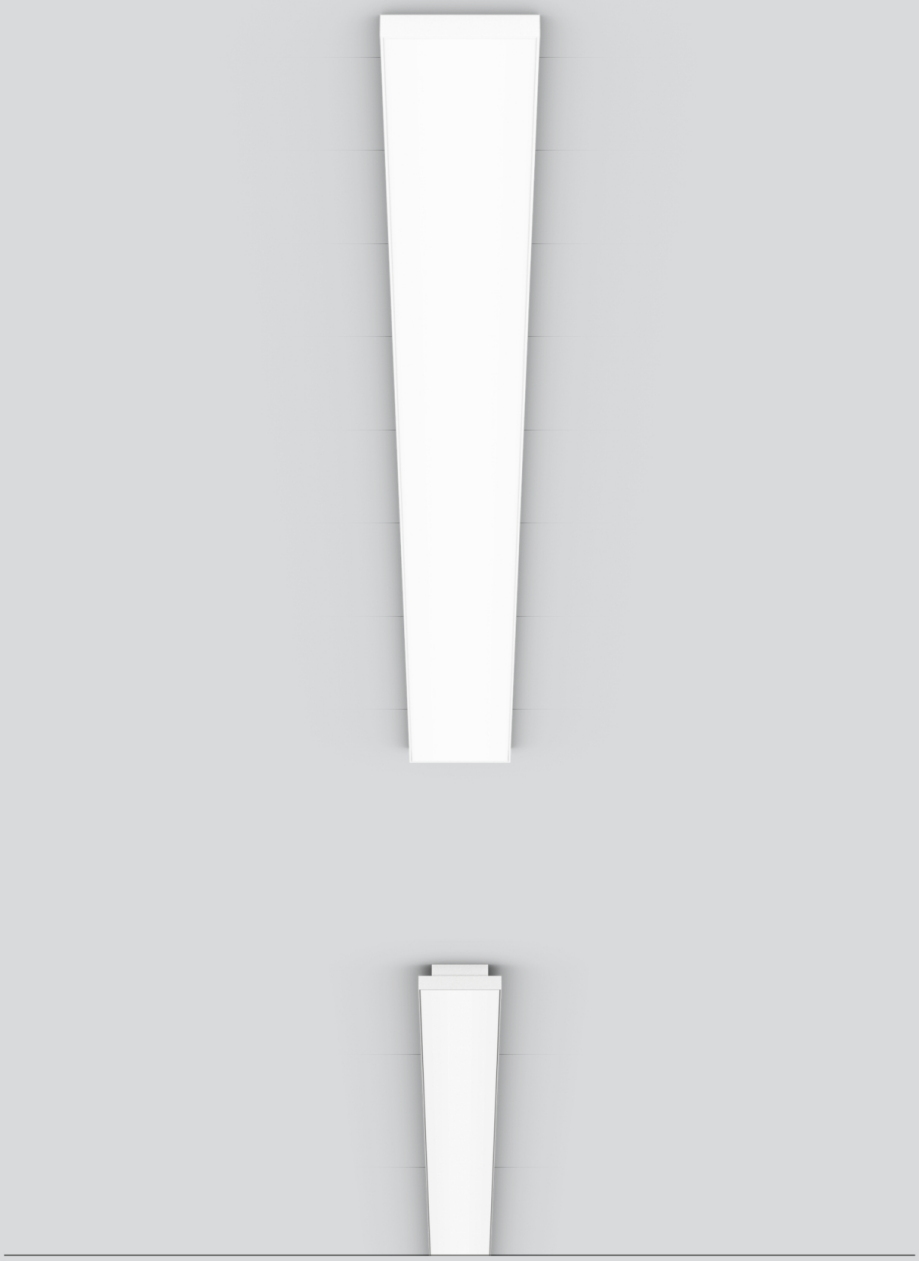
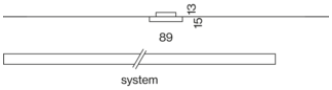


## Quickinfo

3000 K, 4000 K
CRI ≥ 80 / 3 SDCM (initial MacAdam)
UGR ≤ 19
hasta 140 lm/W
L85 / 50000 h
DALI-2
Jut-Out, Microprismatic, Opal
IP20, IP40 / back IP20 / CP1 / 220-240 V
613 mm, 1.221 mm, 1.830 mm, 2.438 mm,

### Types




### Colours

### Distribución luminosa

# LENO

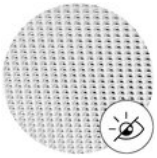
semi-recessed / surface system

EN Low profile recessed mounted luminaire, 15 mm visible height or low profile surface mounted luminaire, 28 mm total height; suitable for wall or ceiling mounting; suitable for installation in primed or exposed concrete, in plasterboard constructions and in plastered walls or ceilings; designed for continuous lighting systems; surface 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 downwards by LGP body (Light Guiding Prism) and highly efficient reflector; homogeneously illuminated, satinised (flush or jut-out) or microprismatic PMMA cover; energy-efficient LEDs with very good colour rendering

ES Lámpara empotrable extremadamente plana con altura visible de 15 mm o lámpara superpuesta extremadamente plana con altura total de 28 mm; apropiado para el montaje en la pared y en el techo; apropiada para el montaje en hormigón alisado u hormigón visto, en construcciones de placas de yeso y en paredes o techos enlucidos; diseñado para la creación de sistemas contínuos; superficie con recubrimiento de pintura en polvo; elemento de luz asegurado contra caídas de perfil de aluminio extrusionado que se puede introducir en el canal sin herramientas por medio de un soporte magnético; fuente de luz insertada en un lateral que es guiada y reflectada a través de unos prismas y reflector de alta calidad; cubierta de PMMA iluminada homogéneamente, satinada (enrasada o sobresaliente) o micro-prismática; LEDS de alta eficiencia que proporcionan una alta reproducción cromática




DiiA® standards
251, 252, 253



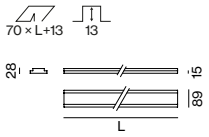
microprismatic
UGR ≤ 19



quick
installation

# **LENO** semi-recessed / surface system

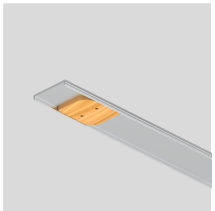





## INSTALLATION CHANNEL semi-recessed / surface

| L·W·H (mm) | ORDER CODE |
|---|---|
| 613·89·28 | 051-892006 |
| 1221·89·28 | 051-892012 |
| 1830·89·28 | 051-892018 |
| 2438·89·28 | 051-892024 |

order installation channel, light inset + mounting accessories separately



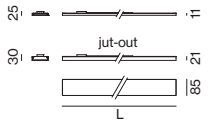



## CONCRETE / PLASTERBOARD MOUNTING HOUSING

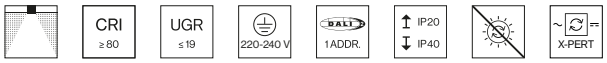
| TYPE | L·W·H (mm) | ORDER CODE |
|---|---|---|
| end | 616·67·28 | 051-896006 0 |
| start/end | 1224·67·28 | 051-896012 0 |
| middle | 1221·67·28 | 051-896112 0 |
| start/end | 1833·67·28 | 051-896018 0 |
| middle | 1830·67·28 | 051-896118 0 |
| start/end | 2441·67·28 | 051-896024 0 |
| middle | 2438·67·28 | 051-896124 0 |

necessary for semi-recessed mounting






## LIGHT INSET




### MICROPRISMATIC CRI ≥ 80, DALI-2

| SYSTEM | LENGTH | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 9.9 W | 613 mm | 1230 lm | 124 lm/W | 051-8112 :: 37G |
| 19.1 W | 1221 mm | 2450 lm | 128 lm/W | 051-8214 :: 37G |
| 28.6 W | 1830 mm | 3680 lm | 129 lm/W | 051-8216 :: 37G |
| 37.0 W | 2438 mm | 4910 lm | 133 lm/W | 051-8218 :: 37G |

613 mm only available as end unit

### OPAL CRI ≥ 80, DALI-2

| SYSTEM | LENGTH | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 9.9 W | 613 mm | 1300 lm | 131 lm/W | 051-8112 :: 37H |
| 19.1 W | 1221 mm | 2590 lm | 136 lm/W | 051-8214 :: 37H |
| 28.6 W | 1830 mm | 3890 lm | 136 lm/W | 051-8216 :: 37H |
| 37.0 W | 2438 mm | 5190 lm | 140 lm/W | 051-8218 :: 37H |

The data values for the luminous flux may differ for specific order options by -6%. Luminous flux value refers to colour temperature 4000 K. 613 mm only available as end unit

## Order options

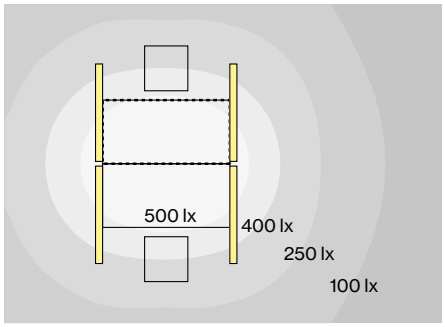
| COLOUR TEMPERATURE :: | | COLOUR | |
|---|---|---|---|
| 3000 K | 5 | pure white RAL 9010 | 7 |
| 4000 K | 6 | jet black RAL 9005 | 8 |

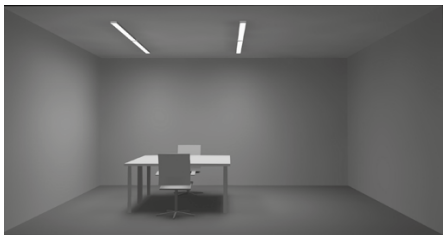
**OPAL JUT-OUT** CRI ≥ 80, DALI-2

| SYSTEM | LENGTH | LUM. FLUX | EFFICACY | ORDER CODE |
|---|---|---|---|---|
| 9.9 W | 613 mm | 1240 lm | 125 lm/W | 051-81123 37 J |
| 19.1 W | 1221 mm | 2490 lm | 130 lm/W | 051-82145 37 J |
| 28.6 W | 1830 mm | 3730 lm | 130 lm/W | 051-82165 37 J |
| 37.0 W | 2438 mm | 4970 lm | 134 lm/W | 051-82185 37 J |

613 mm only available as end unit

## Planning Information



**LENO** surface, microprismatic, 19.1 W, 4000 K

**ROOM VALUES**

| | |
|---|---|
| Room dimensions | 5.4 × 4 × 2.8 m |
| Reflection factor | 0.7 \| 0.5 \| 0.2 |
| Maintenance factor | 0.8 |

**CALCULATION SURFACE**

| | |
|---|---|
| Surface dimensions | 1.6 × 0.8 |
| Surface height | 0.75 |
| Average illuminance ($E_m$) | > 500 lx |
| Uniformity ($U_0$) | > 0.6 |

**GLARE EVALUATION**

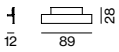
Table Classification X=4H | Y=8H | S=0.25H

| | |
|---|---|
| UGR transversal | ≤ 19 |
| UGR axial | ≤ 19 |

## Mounting accessories (optional)

**END CAPS CONCRETE / PLASTERBOARD MOUNTING HOUSING** 1 pair

| W·H (mm) | ORDER CODE |
|---|---|
| 89·28 | 051-899621 0 |




**END CAPS semi-recessed / surface / suspended**

| W·H (mm) | ORDER CODE |
|---|---|
| 89·28 | 051-899221 |




**LINEAR CONNECTOR semi-recessed / surface**

| TYPE | L·W (mm) | ORDER CODE |
|---|---|---|
| 1 pair | 60·15 | 051-899211 0 |
| 10 pairs | 60·15 | 051-899211 0 · 10 |

## Mounting tools accessories (optional)

**DISMOUNTING TOOL**

| TYPE | ORDER CODE |
|---|---|
| vacuum cup | 086-30000 |

## Order options

| COLOUR TEMPERATURE | | COLOUR | |
|---|---|---|---|
| 3000 K | 5 | pure white RAL 9010 | 7 |
| 4000 K | 6 | jet black RAL 9005 | 8 |

## Electrical accessories (optional)

### POWER FEEDER CONNECTOR

| TYPE | ORDER CODE |
| --- | --- |
| 220–240 V \| 13A | 0 5 1 - 8 9 9 2 3 3 0 |