LENO opal

suspended system
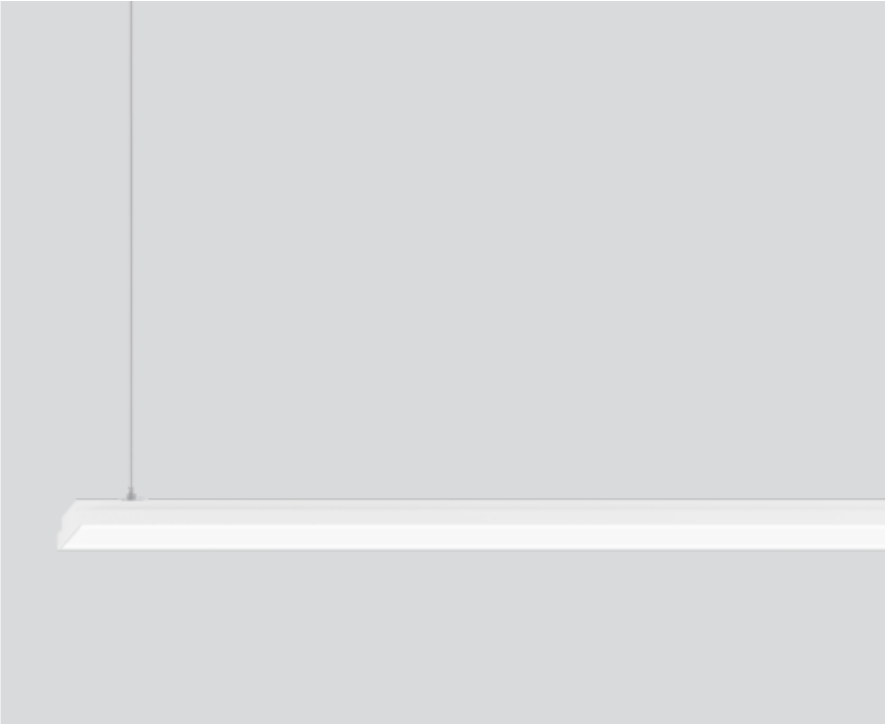
051-8216637H 051-8930187

220-240 V | X-PERT

General

Ceiling | Suspended
white | RAL 9010 [1]
Channel traffic white
IP20
3890 lm
2130 lm/m

LED

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

Optical

High Performance Opal | opal (lambertsch)
PstLM ≤ 1.0 [2]| SVM ≤ 0.4 [2]

Electrical

DALI-2 | 1 DALI Addr.
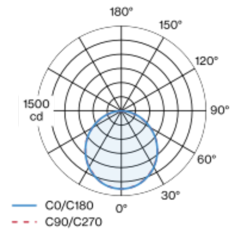PC1 | 220-240 V
system 28.6 W
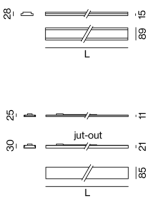system 136 lm/W [3]
16 W/m

Physical

cable 1500 mm
length 1830 mm | width 89 mm | height 28 mm
4.3 kg

Low profile suspended luminaire, 28 mm total height; converter integrated into luminaire housing; for suspended mounting (1500 mm cable suspension as an accessory); with integrated toolless suspension height adjustment on the luminaire; 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; HPO (High Performance Opal) cover for uniform illumination; flush cover; 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 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;

[1] RAL code [2] Value of containing product at full load (undimmed)
[3] incl. consideration of optical losses, internal control unit losses & operating device efficiency

Light distribution

180°, 150°, 120°, 90°, 60°, 30°, 0°
1500 cd

— C0/C180
- - - C90/C270

Product drawing

28, 15, 89, L

25, 11, 30, 21, 85, L
jut-out

Installation instructions

Lighting calculator

['051-8216637H 051-8930187'] 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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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 suspended

COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
traffic white	1830·89·28	051-8930187

Mounting accessories

END CAPS semi-recessed

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

Mounting accessories

LINEAR CONNECTOR

TYPE	ARTICLE NUMBER(S)
1 pair	051-8993110
10 pairs	051-8993110.10

CABLE SUSPENSION

ARTICLE NUMBER(S)
005-2122110

Mounting accessories

CANOPY / FEEDER CABLE

COLOUR	L·W·H (MM)	ARTICLE NUMBER(S)
pure white	90·90·22	005-2212417
jet black	90·90·22	005-2212418

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Electrical accessories

POWER FEEDER CONNECTOR

ARTICLE NUMBER(S)
051-8992330

Other accessories

DISMOUNTING TOOL

TYPE	ARTICLE NUMBER(S)
vacuum cup	086-30000