



Project / Type

Notes

Count / Date



General
Ceiling / Wall , Semi-Recessed
white , RAL9010 ¹
2120 lm/m
front IP40 , back IP20
1300 lm

LED
4000 K
CRI ≥ 80
L90 / 50000 h
photobio. safety RG 0 - no Risk
initial MacAdam ≤ 3 SDCM
MR 0.72
MDER 0.66

Optical
High Performance Opal
PstLM ≤ 1.0 ²
SVM ≤ 0.4 ²

Electrical
DALI-2
10.8 W
PC1 220-240V
120 lm/W
1 DALI Addr.
18 W/m

Physical
length 618 mm
width 89 mm
height 28 mm
2.15 kg

Cutout
length 626 mm
width 70 mm
min. ceiling thickness 12.5 mm
recessed depth 13 mm

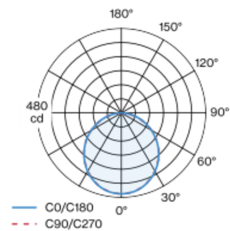
¹ RAL code ² Value of containing product at full load (undimmed)

Installation instructions

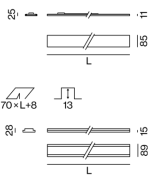


Low profile recessed mounted luminaire, 15 mm visible height; converter integrated into luminaire housing; suitable for installation in primed or exposed concrete, in plasterboard constructions and in plastered walls or ceilings; suitable for wall or ceiling mounting; surface white powder coated; fall-safe 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 from below IP40 (from above IP20); PC1 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; internal wiring in light halogen free; incl. DALI-2 converter; light source not replaceable; control gear replaceable by an authorized professional;

Light distribution



Product drawing



LENO opal

semi-recessed
051-8512637H



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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 Faktor	

^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

Other accessories

DISMOUNTING TOOL

TYPE	ARTICLE NUMBER(S)
vacuum cup	086-30000

