

# LINEA opal / opal

wall

058-6171538AH



Project / Type

Notes

Count / Date



### General

Wall , Surface

black , RAL9005 <sup>1</sup>

2810 lm/m

IP20

indirect 428 lm

direct 428 lm

total 856 lm

### LED

3000 K

CRI ≥ 90

L85 / 50000 h

photobio. safety RG 0 - no Risk

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 , R<sub>f</sub>: 91 , R<sub>f(1-15)</sub>: 89

MR 0.61

MDER 0.55

### Optical

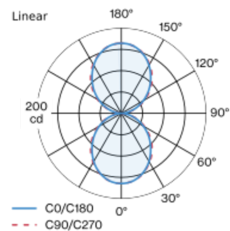
High Performance Opal

PstLM ≤ 1.0 <sup>2</sup>

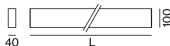
SVM ≤ 0.4 <sup>2</sup>

Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface black powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/ indirect light distribution; direct and indirect light component: HPO (High Performance Opal) cover for uniform illumination; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Light distribution



### Product drawing



### Electrical

DALI-2

9.7 W

PC1 220-240V

88 lm/W

1 DALI Addr.

32 W/m

### Physical

length 310 mm

width 40 mm

height 100 mm

<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)

### Installation instructions



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## Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.98	0.96	0.94	0.91	0.89
LSF	1	1	1	1	1

MF

LMF × RSMF × LLMF × LSF

MF

Maintenance Factor

LMF<sup>a</sup>

Luminaire Maintenance Factor

RSMF<sup>a</sup>

Room Surface Maintenance Factor

LLMF

Lamp Lumens Maintenance Factor

LSF

Lamp Survival Faktor

<sup>a</sup> 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	80
B13	104
B16	130
B20	162
C10	135
C13	175
C16	220
C20	270

