

# LINEA opal / asymmetric

wall

058-6178D38AA



Project / Type

Notes

Count / Date



### General

Wall | Surface

black | RAL 9005<sup>1</sup>

IP20

indirect 4790 lm | direct 4030 lm

total 8820 lm

3670 lm/m

### LED

tunable white | 2700 K - 5000 K

CRI ≥ 90

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 90 | R<sub>f(1-15)</sub>: 88

MR 0.53 | MDER 0.48

### Optical

High Performance Opal / Asymmetric | asymmetric

PstLM ≤ 1.0<sup>2</sup> | SVM ≤ 0.4<sup>2</sup>

### Electrical

DALI-2 DT8 | 1 DALI Addr.

PC1 | 220-240 V

system 83 W

system 106 lm/W<sup>3</sup>

35 W/m

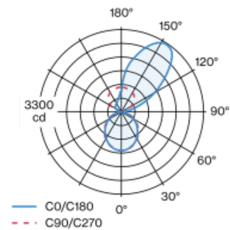
### Physical

length 2410 mm | width 40 mm | height 100 mm

5.9 kg

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 light component: HPO (High Performance Opal) cover for uniform illumination; indirect light component: with specially computed, asymmetrical lens for homogeneous lighting intensity (installation optionally for floor or ceiling illumination); light colour: tunable white diodes (2700-5000 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; 220-240 V; incl. DALI-2 / DT8 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Light distribution



### Product drawing



<sup>1</sup> RAL code <sup>2</sup> Value of containing product at full load (undimmed)  
<sup>3</sup> 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	0.96	0.94	0.91	0.89
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF <sup>a</sup>	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF <sup>a</sup>	Luminaire Maintenance Factor		LSF	Lamp Survival Factor	

<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	9
B13	12
B16	15
B20	19
C10	15
C13	20
C16	25
C20	32

