

# LINEA opal / opal

wall

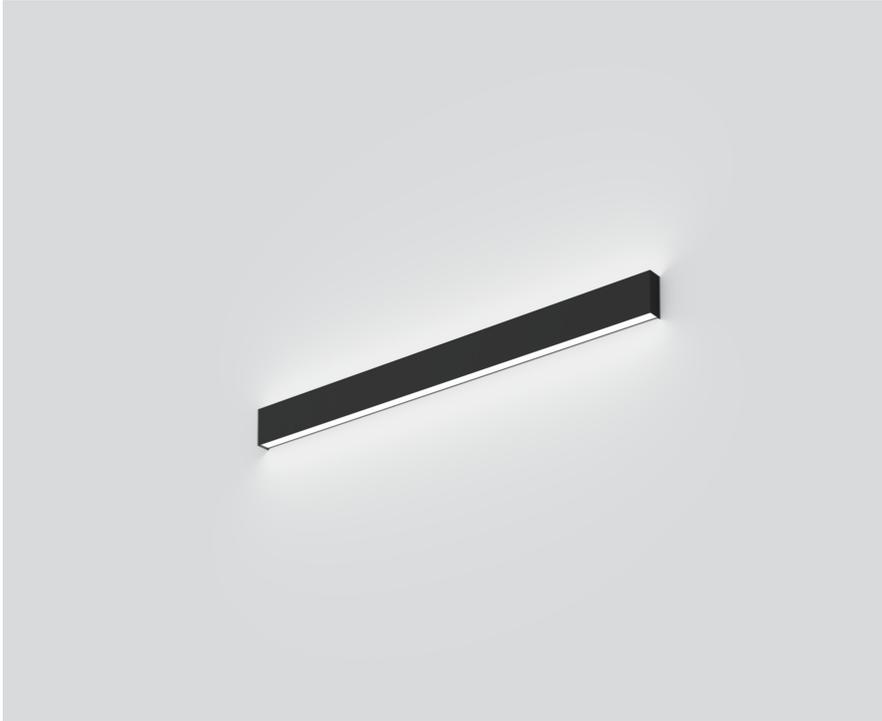
058-6178538AH



Project / Type

Notes

Count / Date



## General

Wall , Surface

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

IP20

indirect 3520 lm

direct 3520 lm

total 7040 lm

2930 lm/m

## LED

3000 K

CRI  $\geq$  90

L85 / 50000 h

initial MacAdam  $\leq$  3 SDCM

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

MR 0.61

MDER 0.55

## Optical

High Performance Opal

opal (lambertsch)

P<sub>stLM</sub>  $\leq$  1.0<sup>2 3</sup>

SVM  $\leq$  0.4<sup>2 3</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  $\leq$  3 SDCM; CRI  $\geq$  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 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Electrical

DALI-2

220-240 V

system 71 W

system 99 lm/W<sup>4</sup>

PC1

1 DALI Addr.

29 W/m

## Physical

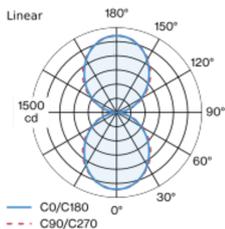
length 2410 mm

width 40 mm

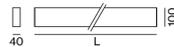
height 100 mm

5.5 kg

## Light distribution



## Product drawing



<sup>1</sup> RAL code <sup>2</sup> Linear

<sup>3</sup> Value of containing product at full load (undimmed)

<sup>4</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	31