

# LINEA opal / 2 spots

wall

058-6178538DH



Project / Type

Notes

Count / Date



## General

Wall , Surface

tilt max 89°

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

IP20

344 lm

## LED

3000 K

CRI  $\geq 97^{2-90^3}$

L95 / 50000 h<sup>2</sup>-L85 / 50000 h<sup>3</sup>

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 92<sup>2-99^3</sup>, R<sub>f</sub>: 86<sup>2-91^3</sup>, R<sub>f(1-15)</sub>: 94<sup>2-89^3</sup>

MR 0.53<sup>2-0.61^3</sup>

MDER 0.48<sup>2-0.55^3</sup>

## Optical

flood<sup>2</sup>-opal (lambertsch)<sup>3</sup>

beam angle 30°

PstLM  $\leq 1.0^{2-3-4}$

SVM  $\leq 0.4^{2-3-4}$

High Performance Opal

## Electrical

DALI-2

220-240 V

system 5.4<sup>2-70^3</sup> W

system 64<sup>2-100^3</sup> lm/W<sup>5</sup>

PC1

2<sup>2-3</sup>-i<sup>3</sup> DALI Addr.

## Physical

length 2610 mm

width 40 mm

height 100 mm

6.2 kg

<sup>1</sup> RAL code <sup>2</sup> Spot <sup>3</sup> Linear

<sup>4</sup> Value of containing product at full load (undimmed)

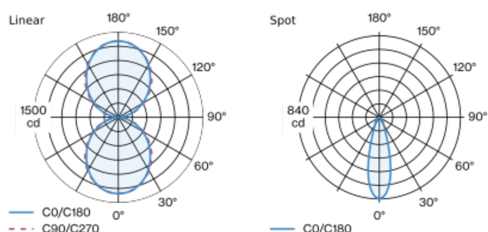
<sup>5</sup> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

## Installation instructions

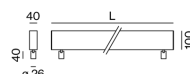


Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface black powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; direct and indirect light component: HPO (High Performance Opal) cover for uniform illumination; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 97$ ; min. 95% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; degree of protection IP20; PC1; 220-240 V; 2x JUST 26 spotlight module 2,6 W / 159 lm / 3000 K (1x left, 1x right); incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

## Light distribution



## Product drawing



flood 30°

Spot

h (m)	E0° (lx)	ø (m)
1	419	0.54
2	105	1.09
3	47	1.63
4	26	2.17
5	17	2.72



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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	9
B13	12
B16	15
B20	19
C10	15
C13	20
C16	25
C20	31

