

# LINEA opal / 1 spot

wall

058-6174538BH



Project / Type \_\_\_\_\_

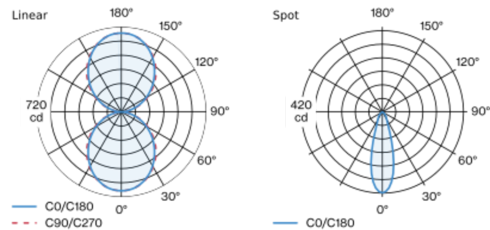
Notes \_\_\_\_\_

Count / Date \_\_\_\_\_



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 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; JUST 26 spotlight module 2,6 W / 159 lm / 3000 K left; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

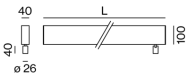
## Light distribution



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

## Product drawing



## General

Wall , Surface \_\_\_\_\_

black , RAL9005 <sup>1</sup> \_\_\_\_\_

2890 lm/m \_\_\_\_\_

IP20 \_\_\_\_\_

indirect 1720 lm \_\_\_\_\_

direct 1760 lm \_\_\_\_\_

total 3480 lm \_\_\_\_\_

tilt max 89° \_\_\_\_\_

172 lm \_\_\_\_\_

## LED

3000 K \_\_\_\_\_

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

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

photobio. safety RG 0 - no Risk \_\_\_\_\_

initial MacAdam  $\leq 3$  SDCM \_\_\_\_\_

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

MR 0.53<sup>2</sup>-0.61<sup>3</sup> \_\_\_\_\_

MDER 0.48<sup>2</sup>-0.55<sup>3</sup> \_\_\_\_\_

## Optical

High Performance Opal \_\_\_\_\_

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

PstLM  $\leq 1.0$  <sup>4</sup> \_\_\_\_\_

SVM  $\leq 0.4$  <sup>4</sup> \_\_\_\_\_

beam angle 30° \_\_\_\_\_

## Electrical

DALI-2 \_\_\_\_\_

2.7<sup>2</sup>-35<sup>3</sup> W \_\_\_\_\_

PC1 220-240V \_\_\_\_\_

64<sup>2</sup>-99<sup>3</sup> lm/W \_\_\_\_\_

1 DALI Addr. \_\_\_\_\_

29 W/m \_\_\_\_\_

## Physical

length 1310 mm \_\_\_\_\_

width 40 mm \_\_\_\_\_

height 100 mm \_\_\_\_\_

left \_\_\_\_\_

<sup>1</sup> RAL code <sup>2</sup> Spot <sup>3</sup> Linear  
<sup>4</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	0.99	0.99	0.99	0.99	0.99
LSF	1	1	1	1	1

MF

MF

LMF<sup>a</sup>

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF<sup>a</sup>

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

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

