

# LINEA opal / 1 spot

wall

058-6174638BH



Project / Type

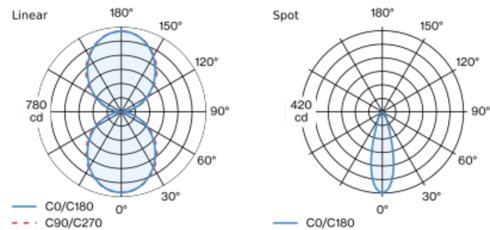
Notes

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 4000 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;

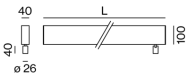
## Light distribution



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>  
3190 lm/m  
IP20  
indirect 1900 lm  
direct 1940 lm  
total 3840 lm  
tilt max 89°  
172 lm

## LED

3000 K<sup>2</sup>-4000 K<sup>3</sup>  
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>-98<sup>3</sup>, R<sub>f</sub>: 86<sup>2</sup>-90<sup>3</sup>, R<sub>f(1-15)</sub>: 94<sup>2</sup>-88<sup>3</sup>  
MR 0.53<sup>2</sup>-0.76<sup>3</sup>  
MDER 0.48<sup>2</sup>-0.69<sup>3</sup>

## Optical

High Performance Opal  
PstLM  $\leq 1.0$  <sup>4</sup>  
SVM  $\leq 0.4$  <sup>4</sup>  
Flood  
beam angle 30°

## Electrical

DALI-2  
2.7<sup>2</sup>-35<sup>3</sup> W  
PC1 220-240V  
64<sup>2</sup>-110<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

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                |

