

# LINEA opal / 2 spots

wall

058-6174627DH



Project / Type

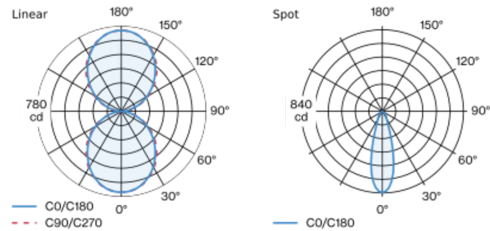
Notes

Count / Date



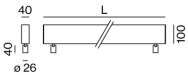
Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface white powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; direct and indirect light component: HPO (High Performance 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; 220-240 V; 2x JUST 26 spotlight module 2,6 W / 159 lm / 3000 K (1x left, 1x right), incl. switch; incl. converter, non dimmable; 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) | h (m) | E0° (lx) | ø (m) |
| 1         | 419      | 0.54  | 1     | 419      | 0.54  |
| 2         | 105      | 1.09  | 2     | 105      | 1.09  |
| 3         | 47       | 1.63  | 3     | 47       | 1.63  |
| 4         | 26       | 2.17  | 4     | 26       | 2.17  |
| 5         | 17       | 2.72  | 5     | 17       | 2.72  |

## Product drawing



## General

Wall , Surface

white , RAL 9010 <sup>1</sup>

IP20

indirect 1900 lm

direct 1940 lm

total 3840 lm

3190 lm/m

tilt max 89°

344 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>

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(1-5)</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

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

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

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

beam angle 30°

## Electrical

non DIM / switch (only spotlights)

220-240 V

system 5.4<sup>2</sup>-35<sup>3</sup> W

system 64<sup>2</sup>-110<sup>3</sup> lm/W<sup>5</sup>

PC1

29 W/m

## Physical

length 1410 mm

width 40 mm

height 100 mm

<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



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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      |        | 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 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                            | 31                 |
| B13                            | 40                 |
| B16                            | 50                 |
| B20                            | 62                 |
| B25                            | 78                 |
| C10                            | 52                 |
| C13                            | 67                 |
| C16                            | 85                 |
| C20                            | 104                |
| C25                            | 130                |

