

# LINEA opal / 1 spot

wall

058-6178627CH



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

Notes \_\_\_\_\_

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



## General

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

tilt max 89° \_\_\_\_\_

white , RAL9010 <sup>1</sup> \_\_\_\_\_

IP20 \_\_\_\_\_

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

## LED

3000 K<sup>2</sup>-4000 K<sup>3</sup> \_\_\_\_\_

CRI ≥ 97<sup>2</sup>-90<sup>3</sup> \_\_\_\_\_

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

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

initial MacAdam ≤ 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>(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

Flood \_\_\_\_\_

beam angle 30° \_\_\_\_\_

PstLM ≤ 1.0 <sup>4</sup> \_\_\_\_\_

SVM ≤ 0.4 <sup>4</sup> \_\_\_\_\_

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

## Electrical

non DIM / switch (only spotlights) \_\_\_\_\_

2.7<sup>2</sup>-70<sup>3</sup> W \_\_\_\_\_

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

64<sup>2</sup>-110<sup>3</sup> lm/W \_\_\_\_\_

## Physical

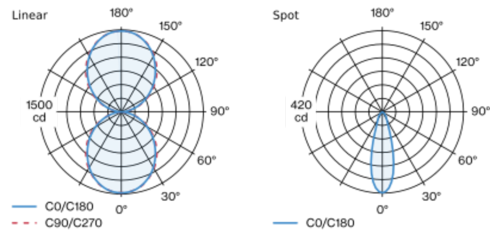
length 2510 mm \_\_\_\_\_

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

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

right \_\_\_\_\_

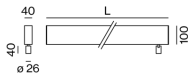
## Light distribution



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



<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	0.98	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	10
B13	12
B16	16
B20	21
C10	17
C13	21
C16	28
C20	35

