

# LINEA opal / 1 spot

wall

058-6178537BH



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 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; 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;

## General

Wall , Surface

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

IP20

indirect 3490 lm

direct 3490 lm

total 6980 lm

2900 lm/m

tilt max 89°

172 lm

## LED

3000 K

CRI  $\geq 97^2$ -90<sup>3</sup>

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>-99<sup>3</sup>, R<sub>f</sub>: 86<sup>2</sup>-91<sup>3</sup>, R<sub>(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  $\leq 1.0^3$  2 4

SVM  $\leq 0.4^3$  2 4

beam angle 30°

## Electrical

DALI-2

220-240 V

system 2.7<sup>2</sup>-70<sup>3</sup> W

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

PC1

1 DALI Addr.

29 W/m

## Physical

length 2510 mm

width 40 mm

height 100 mm

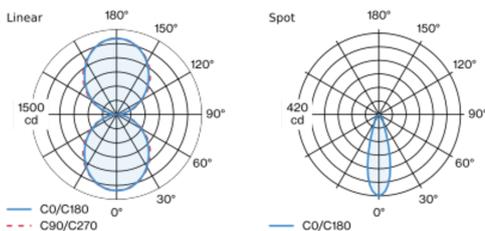
left

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

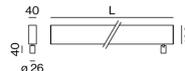
<sup>4</sup> Value of containing product at full load (undimmed)

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

## 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

## 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 Factor

<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