

# LINEA opal / 1 spot

wall

058-6174628BH



Project / Type

Notes

Count / Date



### General

Wall , Surface

tilt max 89°

black , RAL 9005 <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>

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

beam angle 30°

PstLM ≤ 1.0<sup>2</sup> <sup>3</sup> <sup>4</sup>

SVM ≤ 0.4<sup>2</sup> <sup>3</sup> <sup>4</sup>

High Performance Opal

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 ≤ 3 SDCM; CRI ≥ 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. switch; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

### Electrical

non DIM / switch (only spotlights)

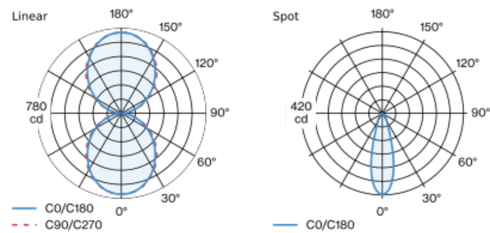
220-240 V

system 2.7<sup>2</sup>-35<sup>3</sup> W

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

PC1

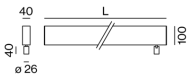
### Light distribution



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



### 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)  
<sup>5</sup> 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	0.98	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 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	22
B13	29
B16	36
B20	45
C10	37
C13	48
C16	61
C20	76

