

# LINEA opal / 1 spot

wall

058-6172527CH



Project / Type

Notes

Count / Date



### General

Wall , Surface

tilt max 89°

white , RAL9010 <sup>1</sup>

IP20

172 lm

### LED

3000 K

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>-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

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>-17.6<sup>3</sup> W

PC1 220-240V

64<sup>2</sup>-99<sup>3</sup> lm/W

### Physical

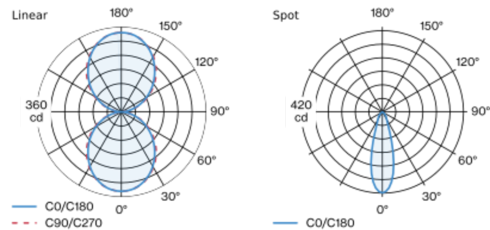
length 710 mm

width 40 mm

height 100 mm

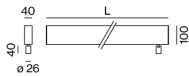
right

### 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



<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		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	23
B13	30
B16	36
B20	46
C10	35
C13	50
C16	60
C20	76

