

# LINEA opal / 1 spot

wall

058-6174D47BH



Project / Type

Notes

Count / Date



### General

Wall | Surface

tilt max 89°

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

IP20

141 lm

### LED

3000 K<sup>2</sup>-tunable white<sup>3</sup> | 2700 K - 5000 K

CRI ≥ 90

L80 / 50000 h<sup>2</sup>-L85 / 50000 h<sup>3</sup>

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 100<sup>2</sup>-99<sup>3</sup> | R<sub>f</sub>: 91<sup>2</sup>-90<sup>3</sup> | R<sub>f(1-15)</sub>: 89<sup>2</sup>-88<sup>3</sup>

MR 0.59<sup>2</sup>-0.53<sup>3</sup> | MDER 0.53<sup>2</sup>-0.48<sup>3</sup>

### Optical

beam angle 23°

PstLM ≤ 1.0<sup>2</sup> <sup>3</sup> 4 | SVM ≤ 0.4<sup>2</sup> <sup>3</sup> 4

High Performance Opal | flood<sup>2</sup>-opal (lambertsch)<sup>3</sup>

### Electrical

DALI-2 / DIM switch (only spotlights)<sup>2</sup>-DALI-2

DT8 / DIM switch (only spotlights)<sup>3</sup> | 1 DALI Addr.

PC1 | 220-240 V

system 2.2<sup>2</sup>-42<sup>3</sup> W

system 64<sup>2</sup>-96<sup>3</sup> lm/W <sup>5</sup>

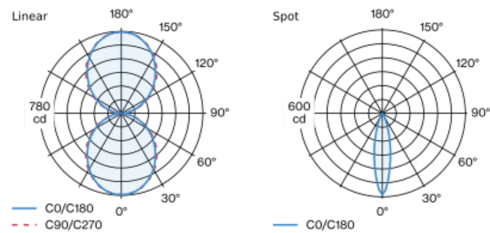
### Physical

length 1310 mm | width 40 mm | height 100 mm

left

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: tunable white diodes (2700-5000 K); binning initial MacAdam ≤ 3 SDCM; CRI ≥ 90; min. 85% 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 2,2 W / 141 lm / 3000 K left, incl. switch; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

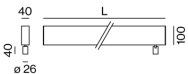
### Light distribution



flood 23° Spot

h (m)	E0° (lx)	ø (m)
1	584	0.41
2	146	0.83
3	65	1.24
4	37	1.65
5	23	2.07

### 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)  
<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		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	13
B13	16
B16	22
B20	27
C10	21
C13	28
C16	36
C20	45

