

# LINEA opal / 1 spot

wall

058-6174537BH



Project / Type

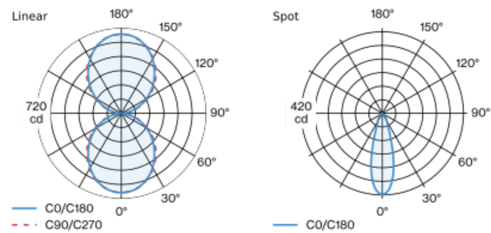
Notes

Count / Date



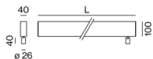
Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface pure white powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; direct and indirect light component: HPO (High 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;

## 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



## General

Wall | Surface

tilt max 89°

pure white | RAL 9010

IP20

172 lm

## LED

3000 K

CRI  $\geq 97^{1-90^2}$

L95 / 50000 h<sup>1</sup>-L85 / 50000 h<sup>2</sup>

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 102<sup>1</sup>-99<sup>2</sup> | R<sub>f</sub>: 96<sup>1</sup>-91<sup>2</sup> | R<sub>f(1-15)</sub>: 96<sup>1</sup>-89<sup>2</sup>

MR 0.63<sup>1</sup>-0.61<sup>2</sup> | MDER 0.57<sup>1</sup>-0.55<sup>2</sup>

## Optical

beam angle 30°

PstLM  $\leq 1.0^{1-2-3}$  | SVM  $\leq 0.4^{1-2-3}$

High Performance Opal | flood<sup>1</sup>-opal (lambertsch)<sup>2</sup>

## Electrical

DALI-2 | 1 DALI Addr.

PC1 | 220-240 V

system 2.7<sup>1</sup>-35<sup>2</sup> W

system 64<sup>1</sup>-99<sup>2</sup> lm/W<sup>4</sup>

## Physical

length 1310 mm | width 40 mm | height 100 mm

spotlight left

<sup>1</sup> Spot <sup>2</sup> Linear  
<sup>3</sup> Value of containing product at full load (undimmed)  
<sup>4</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

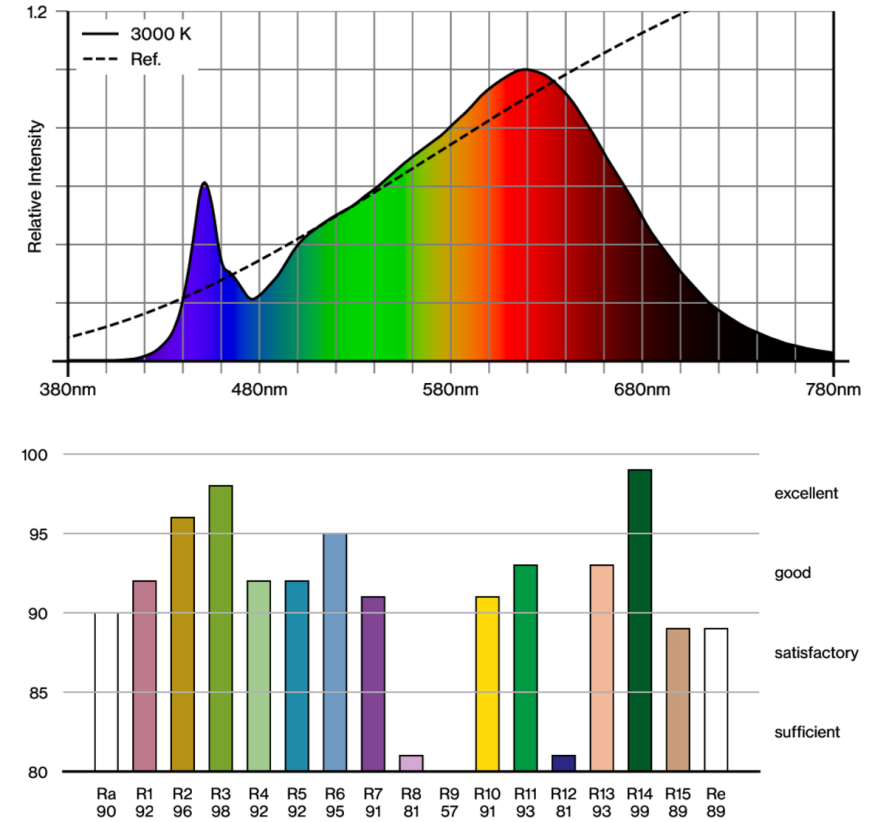
MF	LMF × RSMF × LLMF × LSF	RSMF <sup>a</sup>	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF <sup>a</sup>	Luminaire Maintenance Factor	LSF	Lamp Survival Factor

<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.

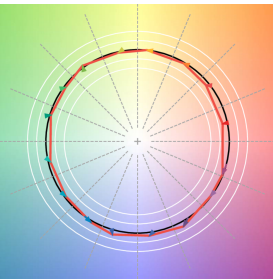
## Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	18
B13	23
B16	28
B20	35
C10	30
C13	38
C16	46
C20	58

## Colour rendering



## TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.

