

# LINEA opal / 1 spot

wall

058-6172647CH



Project / Type

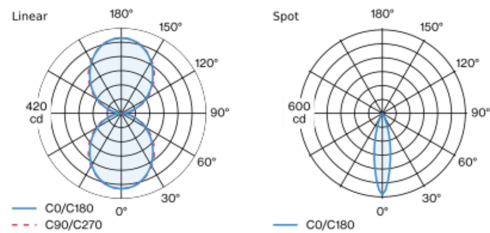
Notes

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 4000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 90$ ; 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 right, incl. switch; incl. DALI-2 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

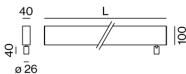
## Light distribution



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



## General

Wall , Surface  
white , RAL 9010 <sup>1</sup>  
IP20  
indirect 963 lm  
direct 963 lm  
total 1926 lm  
3180 lm/m  
tilt max 89°  
141 lm

## LED

3000 K<sup>2</sup>-4000 K<sup>3</sup>  
CRI  $\geq 90$   
L80 / 50000 h<sup>2</sup>-L85 / 50000 h<sup>3</sup>  
initial MacAdam  $\leq 3$  SDCM  
R<sub>g</sub>: 100<sup>2</sup>-98<sup>3</sup>, R<sub>f</sub>: 91<sup>2</sup>-90<sup>3</sup>, R<sub>f(1-15)</sub>: 88  
MR 0.59<sup>2</sup>-0.76<sup>3</sup>  
MDER 0.53<sup>2</sup>-0.69<sup>3</sup>

## Optical

High Performance Opal  
flood<sup>2</sup>-opal (lambertsch)<sup>3</sup>  
PstLM  $\leq 1.0$ <sup>3 2 4</sup>  
SVM  $\leq 0.4$ <sup>3 2 4</sup>  
beam angle 23°

## Electrical

DALI-2 / switch (only spotlights)  
220-240 V  
system 2.2<sup>2</sup>-17.6<sup>3</sup> W  
system 64<sup>2</sup>-109<sup>3</sup> lm/W<sup>5</sup>  
PC1  
1 DALI Addr.  
29 W/m

## Physical

length 710 mm  
width 40 mm  
height 100 mm  
right

<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> FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: 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	0.96	0.92	0.88	0.85	0.81
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	80
B13	104
B16	130
B20	162
C10	135
C13	175
C16	220
C20	270

