

# LINEA opal / 2 spots

wall

058-6174628DH



Project / Type

Notes

Count / Date



### General

Wall   Surface
black   RAL 9005 <sup>1</sup>
IP20
indirect 1900 lm   direct 1940 lm
total 3840 lm
3190 lm/m
tilt max 89°
344 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>t1-15</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

High Performance Opal   flood <sup>2</sup> -opal (lambertsch) <sup>3</sup>
PstLM ≤ 1.0 <sup>3</sup> 2 4   SVM ≤ 0.4 <sup>3</sup> 2 4
beam angle 30°

### Electrical

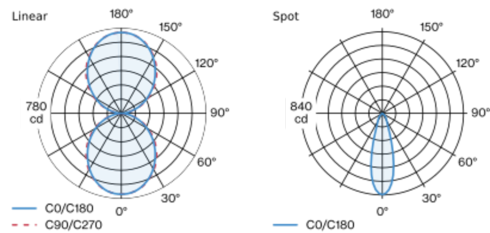
non DIM / ON/OFF switch (only spotlights)
PC1   220-240 V
system 5.4 <sup>2</sup> -35 <sup>3</sup> W
system 64 <sup>2</sup> -110 <sup>3</sup> lm/W <sup>5</sup>
29 W/m

### Physical

length 1410 mm   width 40 mm   height 100 mm
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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; 2x JUST 26 spotlight module 2,6 W / 159 lm / 3000 K (1x left, 1x right), incl. switch; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

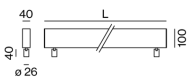
### Light distribution



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



<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	0.99	0.99	0.99	0.99	0.99
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	31
B13	40
B16	50
B20	62
B25	78
C10	52
C13	67
C16	85
C20	104
C25	130

