

# LINEA opal / 2 spots

wall

058-6178548DH



Project / Type

Notes

Count / Date



### General

Wall | Surface

tilt max 89°

black | RAL 9005 <sup>1</sup>

IP20

282 lm

### LED

3000 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 | R<sub>t(15)</sub>: 89

MR 0.59<sup>2</sup>-0.61<sup>3</sup> | MDER 0.53<sup>2</sup>-0.55<sup>3</sup>

### Optical

beam angle 23°

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

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

### Electrical

DALI-2 / DIM switch (only spotlights) | 1 DALI Addr.

PC1 | 220-240 V

system 4.5<sup>2</sup>-70<sup>3</sup> W

system 63<sup>2</sup>-100<sup>3</sup> lm/W <sup>5</sup>

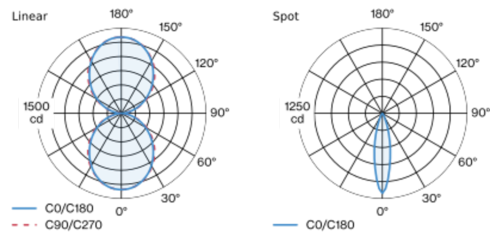
### Physical

length 2610 mm | width 40 mm | height 100 mm

7 kg

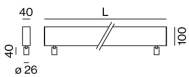
Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface black powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; direct and indirect light component: HPO (High Performance Opal) cover for uniform illumination; light colour 3000 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; 2x JUST 26 spotlight module 2,2 W / 141 lm / 3000 K (1x left, 1x 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



<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	9
B13	12
B16	15
B20	19
C10	15
C13	20
C16	25
C20	31

