

LINEA opal / 2 spots

wall

058-6178D48DH



Project / Type

Notes

Count / Date



General

Wall , Surface

black , RAL9005 ¹

3350 lm/m

IP20

indirect 4030 lm

direct 4030 lm

total 8060 lm

tilt max 89°

282 lm

LED

3000 K²-tunable white³

2700 K - 5000 K

CRI ≥ 90

L80 / 50000 h²-L85 / 50000 h³

photobio. safety RG 0 - no Risk

initial MacAdam ≤ 3 SDCM

R_g: 99 , R_f: 90 , R_{t(1-15)}: 88

MR 0.53

MDER 0.48

Optical

High Performance Opal

PstLM ≤ 1.0 ⁴

SVM ≤ 0.4 ⁴

flood

beam angle 23°

Electrical

DALI-2 / switch (only spotlights)²-DALI-2 DT8 / switch (only spotlights)³

4.5²-83³ W

PC1 220-240V

63²-97³ lm/W

1 DALI Addr.

35 W/m

Physical

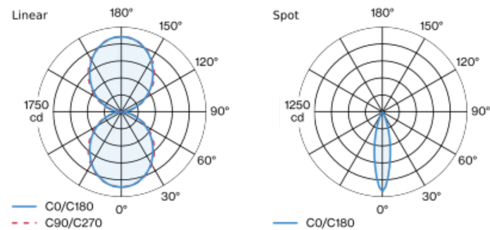
length 2610 mm

width 40 mm

height 100 mm

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: 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 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; 2x JUST 26 spotlight module 2,2 W / 141 lm / 3000 K (1x left, 1x right), incl. switch; incl. DALI-2 / DT8 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

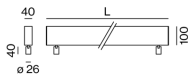
Light distribution



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



¹ RAL code ² Spot ³ Linear
⁴ Value of containing product at full load (undimmed)

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

MF

Maintenance Factor

LMF^a

Luminaire Maintenance Factor

RSMF^a

Room Surface Maintenance Factor

LLMF

Lamp Lumens Maintenance Factor

LSF

Lamp Survival Faktor

^a 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