

LINEA opal / 1 spot

wall

058-6172638BH



Project / Type

Notes

Count / Date



General

Wall , Surface

tilt max 89°

black , RAL 9005 ¹

IP20

172 lm

LED

3000 K²-4000 K³

CRI ≥ 97²-90³

L95 / 50000 h²-L85 / 50000 h³

initial MacAdam ≤ 3 SDCM

R_g: 92²-98³, R_r: 86²-90³, R₍₁₋₁₅₎: 94²-88³

MR 0.53²-0.76³

MDER 0.48²-0.69³

Optical

flood²-opal (lambertsch)³

beam angle 30°

PstLM ≤ 1.0² ³ ⁴

SVM ≤ 0.4² ³ ⁴

High Performance Opal

Electrical

DALI-2

220-240 V

system 2.7²-17.6³ W

system 64²-109³ lm/W⁵

PC1

1 DALI Addr.

Physical

length 710 mm

width 40 mm

height 100 mm

2 kg

left

¹ RAL code ² Spot ³ Linear

⁴ Value of containing product at full load (undimmed)

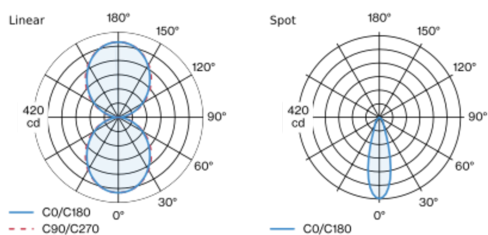
⁵ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Installation instructions

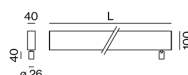


Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface black powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; direct and indirect light component: HPO (High Performance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



Product drawing



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



[058-6172638BH] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.
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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

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	18
B13	23
B16	28
B20	35
C10	30
C13	38
C16	46
C20	58

