

LINEA opal / 1 spot

wall

058-6178D48BH



Project / Type

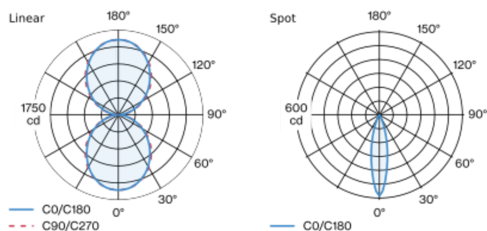
Notes

Count / Date



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; 220-240 V; JUST 26 spotlight module 2,2 W / 141 lm / 3000 K left, incl. switch; incl. DALI-2 / DT8 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

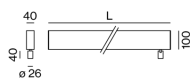
Light distribution



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



General

Wall , Surface

black , RAL 9005 ¹

IP20

indirect 4030 lm

direct 4030 lm

total 8060 lm

3350 lm/m

tilt max 89°

141 lm

LED

3000 K²-tunable white³

2700 K - 5000 K

CRI ≥ 90

L80 / 50000 h²-L85 / 50000 h³

initial MacAdam ≤ 3 SDCM

R_g: 100²-99³, R_f: 91²-90³, R_{f(1-15)}: 88

MR 0.59²-0.53³

MDER 0.53²-0.48³

Optical

High Performance Opal

flood²-opal (lambertsch)³

PstLM ≤ 1.0 ^{3 2 4}

SVM ≤ 0.4 ^{3 2 4}

beam angle 23°

Electrical

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

220-240 V

system 2.2²-83³ W

system 64²-97³ lm/W⁵

PC1

1 DALI Addr.

35 W/m

Physical

length 2510 mm

width 40 mm

height 100 mm

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



[058-6178D48BH] 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	0.96	0.92	0.88	0.85	0.81
LSF	1	1	1	1	1
MF	LMF × RSMF × LLMF × LSF		RSMF ^a	Room Surface Maintenance Factor	
MF	Maintenance Factor		LLMF	Lamp Lumens Maintenance Factor	
LMF ^a	Luminaire 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

