

LINEA opal / 1 spot

wall

058-6178D47BH



Project / Type

Notes

Count / Date



General

Wall Surface
white RAL 9010 ¹
IP20
indirect 4030 lm direct 4030 lm
total 8060 lm
3350 lm/m
tilt max 89°
141 lm

LED

3000 K ² -tunable white ³ 2700 K - 5000 K
CRI ≥ 90
L80 / 50000 h ² -L85 / 50000 h ³
initial MacAdam ≤ 3 SDCM
R _g : 100 ² -99 ³ R _f : 91 ² -90 ³ R ₍₁₋₁₅₎ : 89 ² -88 ³
MR 0.59 ² -0.53 ³ MDER 0.53 ² -0.48 ³

Optical

High Performance Opal flood ² -opal (lambertsch) ³
PstLM ≤ 1.0 ^{3 2 4} SVM ≤ 0.4 ^{3 2 4}
beam angle 23°

Electrical

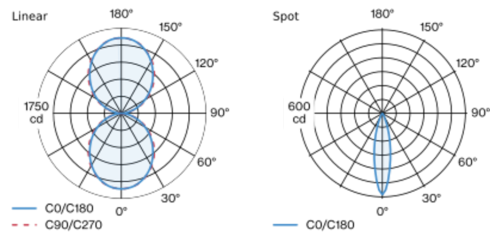
DALI-2 / DIM switch (only spotlights) ² -DALI-2
DT8 / DIM switch (only spotlights) ³ 1 DALI Addr.
PC1 220-240 V
system 2.2 ² -83 ³ W
system 64 ² -97 ³ lm/W ⁵
35 W/m

Physical

length 2510 mm width 40 mm height 100 mm
left

Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface white 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 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

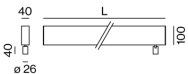
Light distribution



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)
⁵ 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	0.96	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 Factor	

^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

