

LINEA opal / 1 spot

wall

058-6172647BH



Project / Type

Notes

Count / Date



General

Wall Surface
white RAL 9010 ¹
IP20
indirect 963 lm direct 963 lm
total 1926 lm
3180 lm/m
tilt max 89°
141 lm

LED

3000 K ² -4000 K ³
CRI ≥ 90
L80 / 50000 h ² -L85 / 50000 h ³
initial MacAdam ≤ 3 SDCM
R _g : 100 ² -98 ³ R _f : 91 ² -90 ³ R ₍₁₋₁₅₎ : 89 ² -88 ³
MR 0.59 ² -0.76 ³ MDER 0.53 ² -0.69 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°

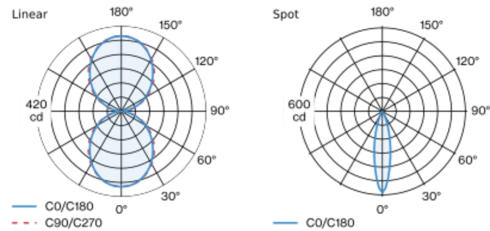
Electrical

DALI-2 / DIM switch (only spotlights) 1 DALI Addr.
PC1 220-240 V
system 2.2 ² -17.6 ³ W
system 64 ² -109 ³ lm/W ⁵
29 W/m

Physical

length 710 mm width 40 mm height 100 mm
left

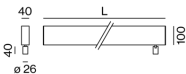
Light distribution



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

MF

Maintenance Factor

LMF^a

Luminaire Maintenance Factor

RSMF^a

Room Surface Maintenance Factor

LLMF

Lamp Lumens 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

