

LINEA opal / 2 spots

wall

058-6178538DH



Project / Type

Notes

Count / Date



General

Wall Surface
black RAL 9005 ¹
IP20
indirect 3490 lm direct 3490 lm
total 6980 lm
2900 lm/m
tilt max 89°
344 lm

LED

3000 K
CRI ≥ 97 ² -90 ³
L95 / 50000 h ² -L85 / 50000 h ³
initial MacAdam ≤ 3 SDCM
R _g : 102 ² -99 ³ R _f : 96 ² -91 ³ R _{1-15} : 96 ² -89 ³
MR 0.63 ² -0.61 ³ MDER 0.57 ² -0.55 ³

Optical

High Performance Opal flood ² -opal (lambertsch) ³
PstLM ≤ 1.0 ³ 2 4 SVM ≤ 0.4 ³ 2 4
beam angle 30°

Electrical

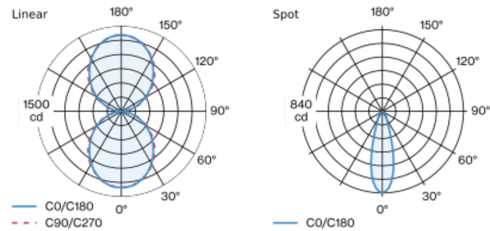
DALI-2 2 ² -1 ³ DALI Addr.
PC1 220-240 V
system 5.4 ² -70 ³ W
system 64 ² -100 ³ lm/W ⁵
29 W/m

Physical

length 2610 mm width 40 mm height 100 mm
6.2 kg

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

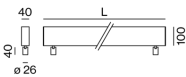
Light distribution



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

Product drawing



Installation instructions



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Maintenance Factors

Operating Time [h]	10 000	20 000	30 000	40 000	50 000
LLMF	0.99	0.99	0.99	0.99	0.99
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

