

LINEA opal / 1 spot

wall

058-6178648BH



Project / Type _____

Notes _____

Count / Date _____



General

Wall , Surface _____

tilt max 89° _____

black , RAL 9005 ¹ _____

IP20 _____

141 lm _____

LED

3000 K²-4000 K³ _____

CRI ≥ 90 _____

L80 / 50000 h²-L85 / 50000 h³ _____

initial MacAdam ≤ 3 SDCM _____

R_g: 100²-98³ , R_f: 91²-90³ , R_(f-15): 88 _____

MR 0.59²-0.76³ _____

MDER 0.53²-0.69³ _____

Optical

flood²-opal (lambertsch)³ _____

beam angle 23° _____

PstLM ≤ 1.0² ³ ⁴ _____

SVM ≤ 0.4² ³ ⁴ _____

High Performance Opal _____

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 ≥ 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;

Electrical

DALI-2 / switch (only spotlights) _____

220-240 V _____

system 2.2²-70³ W _____

system 64²-110³ lm/W⁵ _____

PC1 _____

1 DALI Addr. _____

Physical

length 2510 mm _____

width 40 mm _____

height 100 mm _____

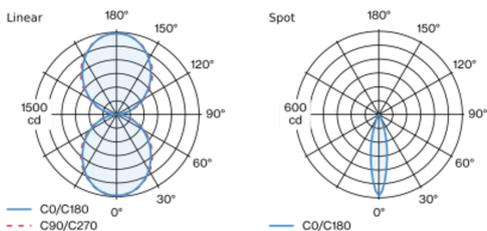
left _____

¹ RAL code ² Spot ³ Linear

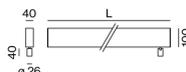
⁴ Value of containing product at full load (undimmed)

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

Light distribution



Product drawing



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

Installation instructions



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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	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	9
B13	12
B16	15
B20	19
C10	15
C13	20
C16	25
C20	31