

LINEA opal / 2 spots

wall

058-6178648DH



Project / Type

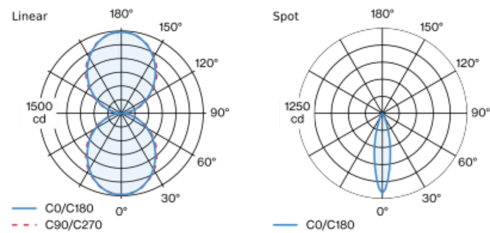
Notes

Count / Date



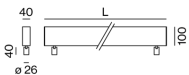
Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface black powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; direct and indirect light component: HPO (High Performance Opal) cover for uniform illumination; light colour 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; 2x JUST 26 spotlight module 2,2 W / 141 lm / 3000 K (1x left, 1x right), 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



General

Wall , Surface

black , RAL 9005 ¹

IP20

indirect 3850 lm

direct 3850 lm

total 7700 lm

3200 lm/m

tilt max 89°

282 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(1-15)}: 88

MR 0.59²-0.76³

MDER 0.53²-0.69³

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)

220-240 V

system 4.5²-70³ W

system 63²-110³ lm/W⁵

PC1

1 DALI Addr.

29 W/m

Physical

length 2610 mm

width 40 mm

height 100 mm

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



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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

