

LINEA opal / 1 spot

wall

058-6178D48BH



Project / Type _____

Notes _____

Count / Date _____



General

Wall , Surface
 black , RAL 9005 ¹
 IP20
 indirect 4030 lm
 direct 4030 lm
 total 8060 lm
 3350 lm/m
 tilt max 89°
 141 lm

LED

3000 K²-tunable white³
 2700 K - 5000 K
 CRI ≥ 90
 L80 / 50000 h²-L85 / 50000 h³
 initial MacAdam ≤ 3 SDCM
 R_g: 100²-99³ , R_f: 91²-90³ , R_{1-15}: 88
 MR 0.59²-0.53³
 MDER 0.53²-0.48³

Optical

High Performance Opal
 flood²-opal (lambertsch)³
 PstLM ≤ 1.0^{3 2 4}
 SVM ≤ 0.4^{3 2 4}
 beam angle 23°

Electrical

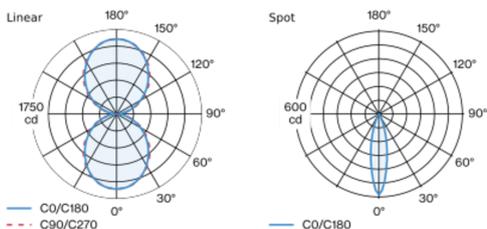
DALI-2 / switch (only spotlights)²-DALI-2 DT8 /
 switch (only spotlights)³
 220-240 V
 system 2.2²-83³ W
 system 64²-97³ lm/W⁵
 PC1
 1 DALI Addr.
 35 W/m

Physical

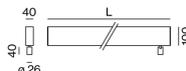
length 2510 mm
 width 40 mm
 height 100 mm
 left

Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface 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: 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 / DT8 converter; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

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

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