

LINEA opal / 1 spot

wall

058-6174648BH



Project / Type _____

Notes _____

Count / Date _____



General

Wall , Surface
 black , RAL9005 ¹
 3190 lm/m
 IP20
 indirect 1900 lm
 direct 1940 lm
 total 3840 lm
 tilt max 89°
 141 lm

LED

3000 K²-4000 K³
 CRI ≥ 90
 L80 / 50000 h²-L85 / 50000 h³
 photobio. safety RG 0 - no Risk
 initial MacAdam ≤ 3 SDCM
 R_g: 98 , R_r: 90 , R_{t(1-15)}: 88
 MR 0.76
 MDER 0.69

Optical

High Performance Opal
 PstLM ≤ 1.0 ⁴
 SVM ≤ 0.4 ⁴
 Flood
 beam angle 23°

Electrical

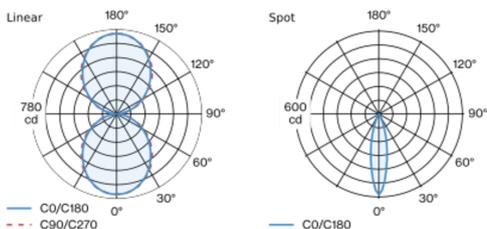
DALI-2 / switch (only spotlights)
 2.2²-35³ W
 PC1 220-240V
 64²-110³ lm/W
 1 DALI Addr.
 29 W/m

Physical

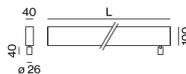
length 1310 mm
 width 40 mm
 height 100 mm
 left

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 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 220-240V; photobiological safety according to IEC 62471 risk group RG 0 - no Risk; 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;

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)

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