

LINEA opal / 1 spot

wall

058-6174628BH



Project / Type

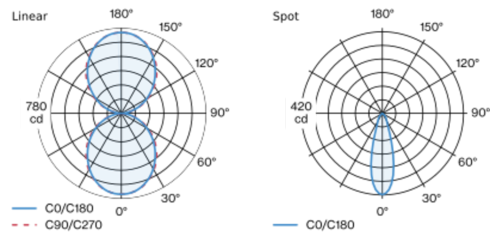
Notes

Count / Date



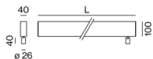
Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface jet black powder coated; suitable for wall mounting; homogeneous wall or ceiling illumination through uniform direct/indirect light distribution; direct and indirect light component: HPO (High Performance Opal) cover for uniform illumination; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 97 ; min. 95% 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 2,6 W / 159 lm / 3000 K left, incl. switch; incl. converter, non dimmable; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

Light distribution



flood 30°		Spot	
h (m)	E0° (lx)	h (m)	E0° (lx)
1	419	0.54	
2	105	1.09	
3	47	1.63	
4	26	2.17	
5	17	2.72	

Product drawing



General

Wall | Surface

tilt max 89°

jet black | RAL 9005

IP20

172 lm

LED

3000 K¹-4000 K²

CRI ≥ 97 ¹-90²

L95 / 50000 h¹-L85 / 50000 h²

initial MacAdam ≤ 3 SDCM

R_g: 102¹-98² | R_f: 96¹-90² | R_{t1-15}: 96¹-88²

MR 0.63¹-0.76² | MDER 0.57¹-0.69²

Optical

beam angle 30°

PstLM ≤ 1.0 ¹ 2³ | SVM ≤ 0.4 ¹ 2³

High Performance Opal | flood¹-opal (lambertsch)²

Electrical

non DIM / ON|OFF switch (only spotlights)

PC1 | 220-240 V

system 2.7¹-35² W

system 64¹-110² lm/W⁴

Physical

length 1310 mm | width 40 mm | height 100 mm

spotlight left

¹ Spot ² Linear

³ Value of containing product at full load (undimmed)

⁴ 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	0.98	0.96	0.94	0.91	0.89
LSF	1	1	1	1	1

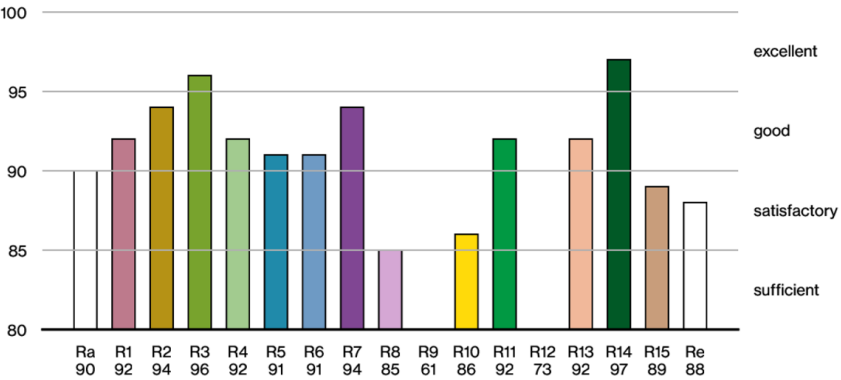
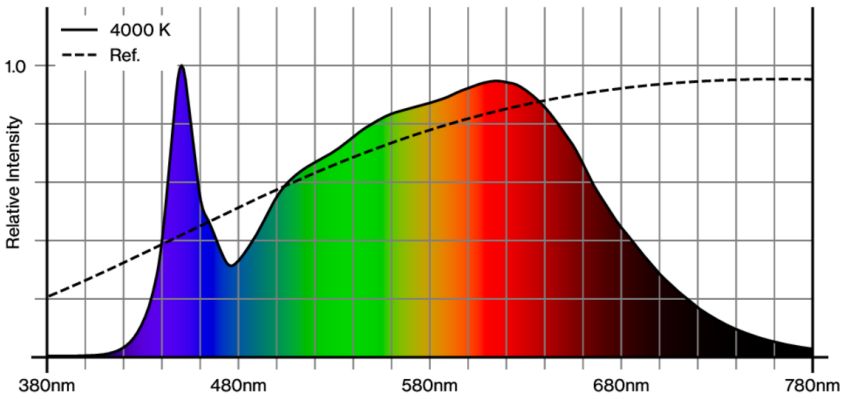
MF	LMF × RSMF × LLMF × LSF	RSMF ^a	Room Surface Maintenance Factor
MF	Maintenance Factor	LLMF	Lamp Lumens Maintenance Factor
LMF ^a	Luminaire Maintenance Factor	LSF	Lamp Survival Factor

^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.

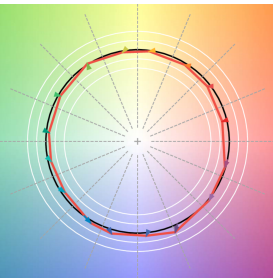
Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	22
B13	29
B16	36
B20	45
C10	37
C13	48
C16	61
C20	76

Colour rendering



TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.

