

LINEA opal / 2 spots

wall

058-6178D47DH



Project / Type

Notes

Count / Date



General

Wall Surface
pure white RAL 9010
IP20
indirect 4030 lm direct 4030 lm
total 8060 lm
3350 lm/m
tilt max 89°
282 lm

LED

3000 K ¹ -tunable white ² 2700 K - 5000 K
CRI ≥ 90
L80 / 50000 h ¹ -L85 / 50000 h ²
initial MacAdam ≤ 3 SDCM
R _g : 100 ¹ -99 ² R _f : 91 ¹ -90 ² R _{f(1-15)} : 89 ¹ -88 ²
MR 0.59 ¹ -0.53 ² MDER 0.53 ¹ -0.48 ²

Optical

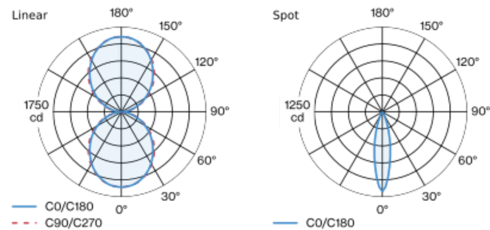
High Performance Opal flood ¹ -opal (lambertsch) ²
PstLM ≤ 1.0 ² 1 3 SVM ≤ 0.4 ² 1 3
beam angle 23°

Light fitting and front cover made of extruded aluminium profile; angular design; no visible screws; surface pure white 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; 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;

Electrical

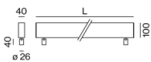
DALI-2 / DIM switch (only spotlights) 1 DALI Addr.
DT8
PC1 220-240 V
system 4.5 ¹ -83 ² W
system 63 ¹ -97 ² lm/W ⁴
35 W/m

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



Physical

length 2610 mm width 40 mm height 100 mm
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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	0.96	0.92	0.88	0.85	0.81
LSF	1	1	1	1	1

MF

LMF

LMF^a

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF^a

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

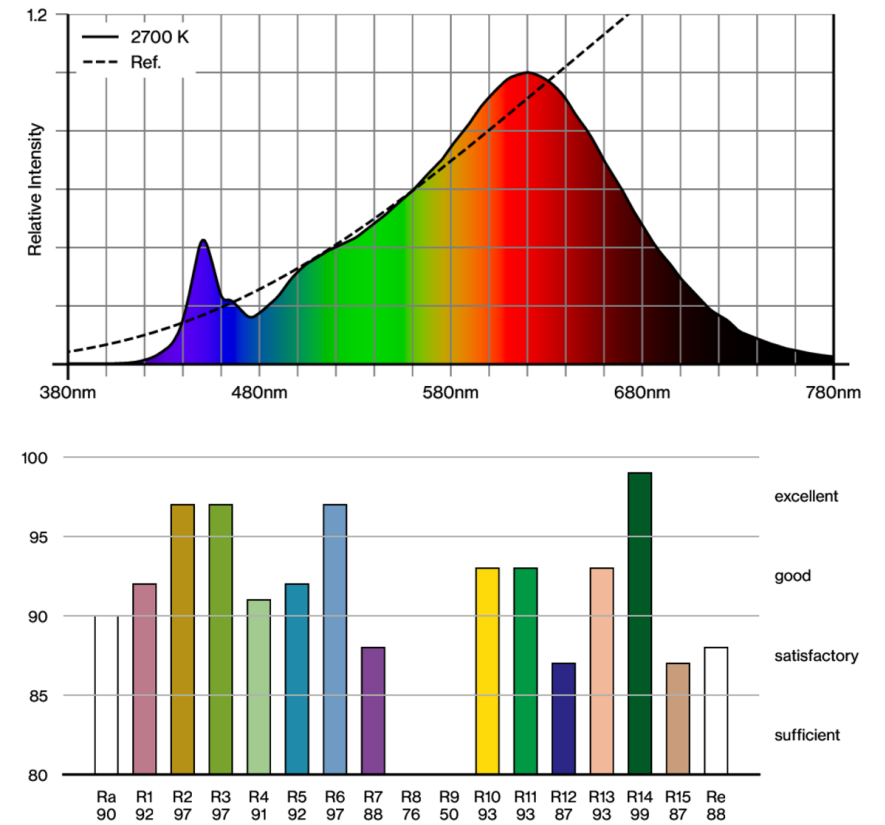
Lamp Survival Factor

^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.

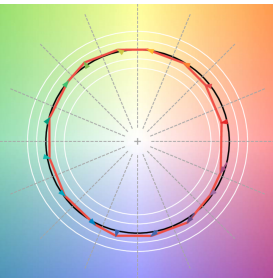
Circuit Breaker Types

Automatic Circuit Breaker Type	Number of Fixtures
B10	13
B13	17
B16	21
B20	27
C10	21
C13	28
C16	35
C20	45

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.

