

LINEA opal / 1 spot

wall

058-6172D47CH



Project / Type

Notes

Count / Date



General

Wall , Surface

tilt max 89°

white , RAL 9010 ¹

IP20

141 lm

LED

3000 K²-tunable white³

CRI ≥ 90

L80 / 50000 h²-L85 / 50000 h³

initial MacAdam ≤ 3 SDCM

R_g: 100²-99³ , R_f: 91²-90³ , R_{f(1-15)}: 88

MR 0.59²-0.53³

MDER 0.53²-0.48³

2700 K - 5000 K

Optical

flood²-opal (lambertsch)³

beam angle 23°

PstLM ≤ 1.0^{2 3 4}

SVM ≤ 0.4^{2 3 4}

High Performance Opal

Electrical

DALI-2 / switch (only spotlights)²-DALI-2 DT8 / switch (only spotlights)³

220-240 V

system 2.2²-20.9³ W

system 64²-97³ lm/W⁵

PC1

1 DALI Addr.

Physical

length 710 mm

width 40 mm

height 100 mm

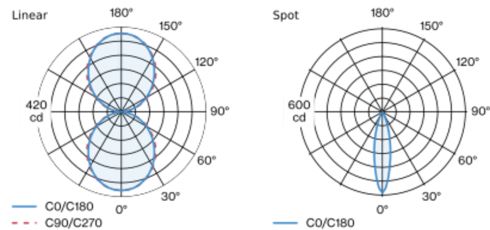
right

¹ RAL code ² Spot ³ Linear

⁴ Value of containing product at full load (undimmed)

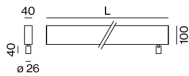
⁵ incl. consideration of optical losses, internal control unit losses & operating device efficiency

Light distribution



flood 23°			Spot		
h (m)	E0° (lx)	ø (m)	h (m)	E0° (lx)	ø (m)
1	584	0.41	1	584	0.41
2	146	0.83	2	146	0.83
3	65	1.24	3	65	1.24
4	37	1.65	4	37	1.65
5	23	2.07	5	23	2.07

Product drawing



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	13
B13	16
B16	22
B20	27
C10	21
C13	28
C16	36
C20	45

