

LINEA opal / 1 spot

wall system

058-6142517BH



Project / Type _____

Notes _____

Count / Date _____



RG0 IEC 62471

220-240V

X-PERT

X-PERT

General

Wall , Surface

tilt max 89°

white , RAL9010 ¹

IP20

172 lm

LED

3000 K

CRI ≥ 97²-90³

L95 / 50000 h²-L85 / 50000 h³

photobio. safety RG 0 - no Risk

initial MacAdam ≤ 3 SDCM

R_g: 92²-99³, R_f: 86²-91³, R_{f(1-15)}: 94²-89³

MR 0.53²-0.61³

MDER 0.48²-0.55³

Optical

flood²-opal (lambertsch)³

beam angle 30°

PstLM ≤ 1.0 ⁴

SVM ≤ 0.4 ⁴

High Performance Opal

Electrical

non DIM

system 2.7²-17.6³ W

PC1 220-240V

system 64²-100³ lm/W⁵

Physical

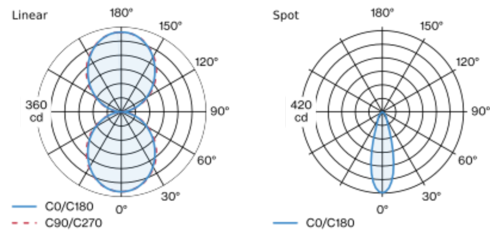
length 706 mm

width 40 mm

height 100 mm

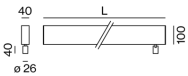
left

Light distribution



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

Product drawing



¹ RAL code ² Spot ³ Linear

⁴ Value of containing product at full load (undimmed)

⁵ incl. optical losses and the efficiency of the operating device (converter)

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 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 | 23 |
| B13 | 30 |
| B16 | 36 |
| B20 | 46 |
| C10 | 35 |
| C13 | 50 |
| C16 | 60 |
| C20 | 76 |

Mounting accessories

END CAPS

| TYPE | COLOUR | L-W-H (MM) | ARTICLE NUMBER(S) |
|--------|------------|------------|-------------------|
| 1 pair | pure white | 40-100-12 | 050-2540107 |
| 1 pair | jet black | 40-100-12 | 050-2540108 |



Mounting accessories

LINEAR CONNECTOR

| TYPE | ARTICLE NUMBER(S) |
|-----------|-------------------|
| 1 piece | 050-2551100 |
| 10 pieces | 050-2551100.10 |



Electrical accessories

THROUGH WIRE

| TYPE | ARTICLE NUMBER(S) |
|-------------------------------------|-------------------|
| 3 x 1,5 mm ² 10 pieces | 004-90003 |
| 5 x 1,5 mm ² 10 pieces | 004-90005 |

