



Project / Type

Notes

Count / Date



General

Showcase , Standing

rotation 360°

black , RAL9021 ¹

1050 lm/m

IP20

Interior

1020 lm

LED

3000 K

CRI ≥ 97

L85 / 50000 h

photobio. safety RG 1 - low Risk

initial MacAdam ≤ 3 SDCM

R_g: 99 , R_f: 96 , R_{t(1-15)}: 97

MR 0.68

MDER 0.61

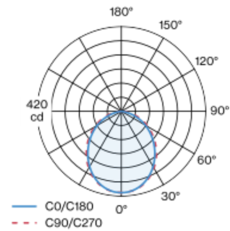
Optical

Opal

opal (lambertsch)

Miniature rectangular lamp made of aluminium; angular design; surface lacquered in black; plug and play electrical connector system for toolless mounting; different mechanical and electrical poles available - for flexible system design (available as an accessory); completely homogeneously illuminated, satinised PMMA cover; light colour 3000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 97; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; light inset rotatable; degree of protection IP20; PC3 24V; photobiological safety according to IEC 62471 risk group RG 1 - low Risk; accessories are listed separately; light source replaceable by an authorized professional;

Light distribution



Product drawing



Electrical

excl. driver

24 V

system 18.2 W

PC3 24V

inset 73 lm/W²

19 W/m

24 V

Physical

length 1000 mm

width 9 mm

height 9 mm

¹ RAL code ² incl. optical losses

Installation instructions





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Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF | 0.979 | 0.955 | 0.931 | 0.908 | 0.885 |
| LSF | 1 | 1 | 1 | 1 | 1 |

MF

LMF × RSMF × LLMF × LSF

MF

Maintenance Factor

LMF^a

Luminaire Maintenance Factor

RSMF^a

Room Surface Maintenance Factor

LLMF

Lamp Lumens 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.

Mounting accessories

MOUNTING POLE T

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|-------------------------------|-----------------|-------------------|
| mechanical / electrical 180 | white aluminium | 011-9122126 |
| mechanical / electrical 180 | black | 011-9122128 |
| mechanical / electrical 200 | white aluminium | 011-9122226 |
| mechanical / electrical 200 | black | 011-9122228 |
| mechanical / electrical 300 | white aluminium | 011-9122326 |
| mechanical / electrical 300 | black | 011-9122328 |

