



Project / Type _____

Notes _____

Count / Date _____



General

Showcase , Standing _____

rotation 360° _____

black , RAL9021 ¹ _____

1180 lm/m _____

IP20 _____

Interior _____

204 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 _____

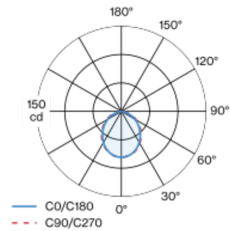
Optical

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 3.6 W _____

PC3 24V _____

inset 73 lm/W² _____

21 W/m _____

24 V _____

Physical

length 200 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

MF

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 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

