

FINA SUPPORT opal

011-129AK118O



Project / Type

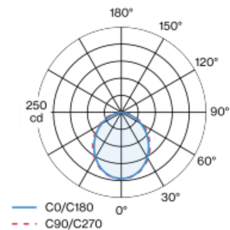
Notes

Count / Date



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 4000 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; 24 V; accessories are listed separately; light source replaceable by an authorized professional;

Light distribution



Product drawing



General

Showcase | Standing

black | RAL 9021¹

IP20

Interior

491 lm

1310 lm/m

optical inset 81 lm/W²

LED

4000 K

CRI ≥ 97

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 100 | R_f: 96 | R₍₁₋₁₅₎: 98

MR 0.86 | MDER 0.78

Optical

Opal | opal (lambertsch)

Electrical

excl. driver

PC3 | 24 V

fixture 8.0 W

optical inset 6.1 W

22 W/m

24 V

Physical

length 411 mm | width 9 mm | height 9 mm

0.04 kg

¹ RAL code ² incl. consideration of 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 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.



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Mounting accessories

MOUNTING POLE L

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|---------------------------|-----------------|-------------------|
| mechanical 180 | white aluminium | 011-9121116 |
| mechanical 180 | tar black | 011-9121118 |
| feeder / mechanical 180 | white aluminium | 011-9121136 |
| feeder / mechanical 180 | tar black | 011-9121138 |
| mechanical 200 | white aluminium | 011-9121216 |
| mechanical 200 | tar black | 011-9121218 |
| feeder / mechanical 200 | white aluminium | 011-9121236 |
| feeder / mechanical 200 | tar black | 011-9121238 |
| mechanical 300 | white aluminium | 011-9121316 |
| mechanical 300 | tar black | 011-9121318 |
| feeder / mechanical 300 | white aluminium | 011-9121336 |
| feeder / mechanical 300 | tar black | 011-9121338 |
| mechanical 180 | white aluminium | 011-9124116 |
| mechanical 180 | tar black | 011-9124118 |
| feeder / mechanical 180 | white aluminium | 011-9124136 |
| feeder / mechanical 180 | tar black | 011-9124138 |
| mechanical 200 | white aluminium | 011-9124216 |
| mechanical 200 | tar black | 011-9124218 |
| feeder / mechanical 200 | white aluminium | 011-9124236 |
| feeder / mechanical 200 | tar black | 011-9124238 |
| mechanical 300 | white aluminium | 011-9124316 |
| mechanical 300 | tar black | 011-9124318 |
| feeder / mechanical 300 | white aluminium | 011-9124336 |
| feeder / mechanical 300 | tar black | 011-9124338 |
| mechanical 180 | white aluminium | 011-9125116 |
| mechanical 180 | tar black | 011-9125118 |
| feeder / mechanical 180 | white aluminium | 011-9125136 |
| feeder / mechanical 180 | tar black | 011-9125138 |
| mechanical 200 | white aluminium | 011-9125216 |
| mechanical 200 | tar black | 011-9125218 |
| feeder / mechanical 200 | white aluminium | 011-9125236 |
| feeder / mechanical 200 | tar black | 011-9125238 |
| mechanical 300 | white aluminium | 011-9125316 |
| mechanical 300 | tar black | 011-9125318 |
| feeder / mechanical 300 | white aluminium | 011-9125336 |
| feeder / mechanical 300 | tar black | 011-9125338 |
| mechanical 180 | white aluminium | 011-9126116 |
| mechanical 180 | tar black | 011-9126118 |
| feeder / mechanical 180 | white aluminium | 011-9126136 |
| feeder / mechanical 180 | tar black | 011-9126138 |
| mechanical 200 | white aluminium | 011-9126216 |
| mechanical 200 | tar black | 011-9126218 |
| feeder / mechanical 200 | white aluminium | 011-9126236 |
| feeder / mechanical 200 | tar black | 011-9126238 |
| mechanical 300 | white aluminium | 011-9126316 |
| mechanical 300 | tar black | 011-9126318 |
| feeder / mechanical 300 | white aluminium | 011-9126336 |
| feeder / mechanical 300 | tar black | 011-9126338 |
| mechanical 180 | white aluminium | 011-9127116 |
| mechanical 180 | tar black | 011-9127118 |
| feeder / mechanical 180 | white aluminium | 011-9127136 |
| feeder / mechanical 180 | tar black | 011-9127138 |
| mechanical 200 | white aluminium | 011-9127216 |
| mechanical 200 | tar black | 011-9127218 |
| feeder / mechanical 200 | white aluminium | 011-9127236 |
| feeder / mechanical 200 | tar black | 011-9127238 |
| mechanical 300 | white aluminium | 011-9127316 |
| mechanical 300 | tar black | 011-9127318 |
| feeder / mechanical 300 | white aluminium | 011-9127336 |
| feeder / mechanical 300 | tar black | 011-9127338 |
| mechanical 180 | white aluminium | 011-9128116 |
| mechanical 180 | tar black | 011-9128118 |
| feeder / mechanical 180 | white aluminium | 011-9128136 |
| feeder / mechanical 180 | tar black | 011-9128138 |
| mechanical 200 | white aluminium | 011-9128216 |
| mechanical 200 | tar black | 011-9128218 |
| feeder / mechanical 200 | white aluminium | 011-9128236 |
| feeder / mechanical 200 | tar black | 011-9128238 |
| mechanical 300 | white aluminium | 011-9128316 |
| mechanical 300 | tar black | 011-9128318 |
| feeder / mechanical 300 | white aluminium | 011-9128336 |
| feeder / mechanical 300 | tar black | 011-9128338 |



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MOUNTING POLE T

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



Mounting accessories

MOUNTING POLE Y

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|-------------------------------|-----------------|-------------------|
| mechanical / electrical 180 | white aluminium | 011-9123126 |
| mechanical / electrical 180 | tar black | 011-9123128 |
| feeder / mechanical 180 | white aluminium | 011-9123136 |
| feeder / mechanical 180 | tar black | 011-9123138 |
| mechanical / electrical 200 | white aluminium | 011-9123226 |
| mechanical / electrical 200 | tar black | 011-9123228 |
| feeder / mechanical 200 | white aluminium | 011-9123236 |
| feeder / mechanical 200 | tar black | 011-9123238 |
| mechanical / electrical 300 | white aluminium | 011-9123326 |
| mechanical / electrical 300 | tar black | 011-9123328 |
| feeder / mechanical 300 | white aluminium | 011-9123336 |
| feeder / mechanical 300 | tar black | 011-9123338 |



Electrical accessories

POWER SUPPLY 24V EU

| L-W-H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 130-43-30 | 011-9212110 |
| 195-43-30 | 011-9212210 |
| 220-43-30 | 011-9212310 |
| 130-43-30 | 011-9212130 |
| 195-43-30 | 011-9212230 |
| 220-43-30 | 011-9212330 |



POWER SUPPLY 24V UL

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|------|------------|-------------------|
| | 153-41-32 | 011-9282110 |
| | 210-40-30 | 011-9282210 |
| 60 W | 250-40-30 | 011-9282310 |
| | 176-45-32 | 011-9282320 |
| | 176-45-32 | 011-9282330 |



Electrical accessories

EXTENSION CABLE

| TYPE | ARTICLE NUMBER(S) |
|-----------------------|-------------------|
| 1 x socket / 1 x plug | 011-9222120 |
| 1 x socket / 1 x plug | 011-9222140 |
| 1 x socket / 1 x plug | 011-9222180 |

