

# FINA SUPPORT opal

011-12010180



Project / Type

Notes

Count / Date



General

Showcase | Standing

rotation 360°

black | RAL 9021 <sup>1</sup>

IP20

Interior

84 lm

1240 lm/m

optical inset 76 lm/W <sup>2</sup>

LED

3000 K

CRI ≥ 97

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

R<sub>g</sub>: 99 | R<sub>f</sub>: 96 | R<sub>f[1-15]</sub>: 97

MR 0.68 | MDER 0.61

Optical

Opal | opal (lambertsch)

Electrical

excl. driver

PC3 | 24 V

fixture 1.5 W

optical inset 1.1 W

21 W/m

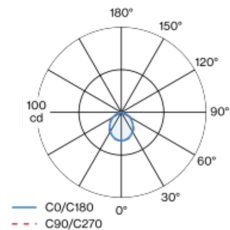
24 V

Physical

length 100 mm | width 9 mm | height 9 mm

<sup>1</sup> RAL code <sup>2</sup> incl. consideration of optical losses

Light distribution



Product drawing



Installation instructions





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Maintenance Factors

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

MF

MF

LMF<sup>a</sup>

LMF × RSMF × LLMF × LSF

Maintenance Factor

Luminaire Maintenance Factor

RSMF<sup>a</sup>

LLMF

LSF

Room Surface Maintenance Factor

Lamp Lumens Maintenance Factor

Lamp Survival Factor

<sup>a</sup> 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.



Project / Type

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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       |



# FINA SUPPORT opal

011-1201018O



Project / Type

Notes

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## Mounting accessories

### 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 × socket / 1 × plug | 011-9222120       |
| 1 × socket / 1 × plug | 011-9222140       |
| 1 × socket / 1 × plug | 011-9222180       |

