

# FINA SUPPORT lead

011-1202016A



Project / Type

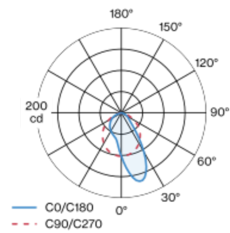
Notes

Count / Date



Miniature rectangular lamp made of aluminium; angular design; surface lacquered in white aluminium; plug and play electrical connector system for toolless mounting; different mechanical and electrical poles available - for flexible system design (available as an accessory); specially computed foil for asymmetrical light distribution; light colour 3000 K; binning initial MacAdam  $\leq 3$  SDCM; CRI  $\geq 97$ ; 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

rotation 360°

white aluminium | RAL 9006

IP20

Interior

233 lm

1350 lm/m

optical inset 84 lm/W <sup>1</sup>

### LED

3000 K

CRI  $\geq 97$

L85 / 50000 h

initial MacAdam  $\leq 3$  SDCM

R<sub>g</sub>: 99 | R<sub>r</sub>: 96 | R<sub>t(1-15)</sub>: 97

MR 0.68 | MDER 0.61

### Optical

asymmetric

### Electrical

excl. driver

PC3 | 24 V

fixture 3.6 W

optical inset 2.8 W

21 W/m

24 V

### Physical

length 200 mm | width 9 mm | height 9 mm

0.15 kg

square

<sup>1</sup> 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<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.





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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 accessories

### MOUNTING POLE T

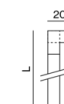
| TYPE                          | COLOUR          | ARTICLE NUMBER(S) |
|-------------------------------|-----------------|-------------------|
| mechanical / electrical   180 | white aluminium | 011-9122126       |
| mechanical / electrical   180 | tar black       | 011-9122128       |
| mechanical / 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

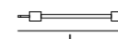
| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|------|------------|-------------------|
|      | 153-41-32  | 011-9282110       |
|      | 210-40-30  | 011-9282210       |
| 60 W | 250-40-30  | 011-9282310       |
|      | 176-45-32  | 011-9282320       |
|      | 176-45-32  | 011-9282330       |



## Electrical accessories

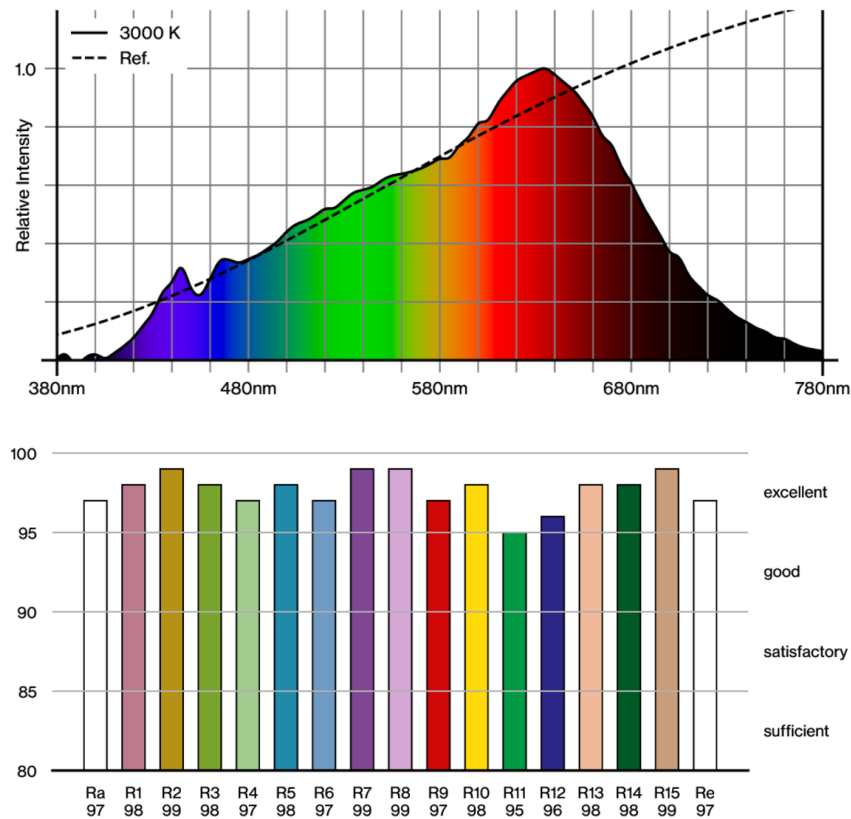
### EXTENSION CABLE

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

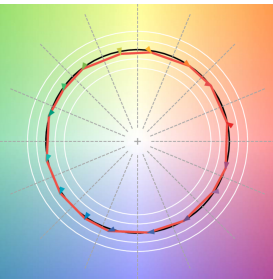




Colour rendering



TM30 colour vector graphic



The black line represents the black body reference. The red line indicates the results of the test light source. The deviation from the test light source to the reference is shown and is marked by arrows. The shorter the arrows, the higher the color rendering.