



Project / Type

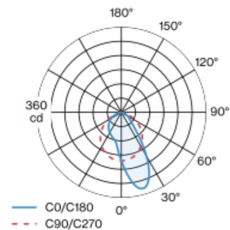
Notes

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); 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 24V; accessories are listed separately;

Light distribution



Product drawing



General

Showcase , Standing

rotation 360°

black , RAL9021<sup>1</sup>

1250 lm/m

IP20

Interior

467 lm

LED

3000 K

CRI  $\geq 97$

L85 / 50000 h

initial MacAdam  $\leq 3$  SDCM

Optical

lead

Electrical

excl. driver

24 V

7.3 W

PC3 24V

64 lm/W

20 W/m

24 V

Physical

length 400 mm

width 9 mm

height 9 mm

<sup>1</sup> RAL code

Installation instructions





## 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      | RSMF <sup>a</sup> | Room Surface Maintenance Factor |
| MF               | Maintenance Factor           | LLMF              | Lamp Lumens Maintenance Factor  |
| LMF <sup>a</sup> | Luminaire Maintenance Factor | LSF               | Lamp Survival Faktor            |

<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.

## Mounting accessories

### MOUNTING POLE L

| TYPE                          | COLOUR          | ARTICLE NUMBER(S) |
|-------------------------------|-----------------|-------------------|
| mechanical   180              | white aluminium | 011-9121116       |
| mechanical   180              | black           | 011-9121118       |
| mechanical / electrical   180 | white aluminium | 011-9121126       |
| mechanical / electrical   180 | black           | 011-9121128       |
| feeder / mechanical   180     | white aluminium | 011-9121136       |
| feeder / mechanical   180     | black           | 011-9121138       |
| mechanical   200              | white aluminium | 011-9121216       |
| mechanical   200              | black           | 011-9121218       |
| mechanical / electrical   200 | white aluminium | 011-9121226       |
| mechanical / electrical   200 | black           | 011-9121228       |
| feeder / mechanical   200     | white aluminium | 011-9121236       |
| feeder / mechanical   200     | black           | 011-9121238       |
| mechanical   300              | white aluminium | 011-9121316       |
| mechanical   300              | black           | 011-9121318       |
| mechanical / electrical   300 | white aluminium | 011-9121326       |
| mechanical / electrical   300 | black           | 011-9121328       |
| feeder / mechanical   300     | white aluminium | 011-9121336       |
| feeder / mechanical   300     | black           | 011-9121338       |



## Mounting accessories

### MOUNTING POLE T

| TYPE                          | COLOUR          | ARTICLE NUMBER(S) |
|-------------------------------|-----------------|-------------------|
| mechanical   180              | white aluminium | 011-9122116       |
| mechanical   180              | black           | 011-9122118       |
| mechanical / electrical   180 | white aluminium | 011-9122126       |
| mechanical / electrical   180 | black           | 011-9122128       |
| feeder / mechanical   180     | white aluminium | 011-9122136       |
| feeder / mechanical   180     | black           | 011-9122138       |
| mechanical   200              | white aluminium | 011-9122216       |
| mechanical   200              | black           | 011-9122218       |
| mechanical / electrical   200 | white aluminium | 011-9122226       |
| mechanical / electrical   200 | black           | 011-9122228       |
| feeder / mechanical   200     | white aluminium | 011-9122236       |
| feeder / mechanical   200     | black           | 011-9122238       |
| mechanical   300              | white aluminium | 011-9122316       |
| mechanical   300              | black           | 011-9122318       |
| mechanical / electrical   300 | white aluminium | 011-9122326       |
| mechanical / electrical   300 | black           | 011-9122328       |
| feeder / mechanical   300     | white aluminium | 011-9122336       |
| feeder / mechanical   300     | black           | 011-9122338       |





Project / Type

Notes

Count / Date

Mounting accessories

MOUNTING POLE Y

| TYPE                          | COLOUR          | ARTICLE NUMBER(S) |
|-------------------------------|-----------------|-------------------|
| mechanical   180              | white aluminium | 011-9123116       |
| mechanical / electrical   180 | white aluminium | 011-9123126       |
| mechanical / electrical   180 | black           | 011-9123128       |
| feeder / mechanical   180     | white aluminium | 011-9123136       |
| feeder / mechanical   180     | black           | 011-9123138       |
| mechanical   200              | white aluminium | 011-9123216       |
| mechanical   200              | black           | 011-9123218       |
| mechanical / electrical   200 | white aluminium | 011-9123226       |
| mechanical / electrical   200 | black           | 011-9123228       |
| feeder / mechanical   200     | white aluminium | 011-9123236       |
| feeder / mechanical   200     | black           | 011-9123238       |
| mechanical   300              | white aluminium | 011-9123316       |
| mechanical   300              | black           | 011-9123318       |
| mechanical / electrical   300 | white aluminium | 011-9123326       |
| mechanical / electrical   300 | black           | 011-9123328       |
| feeder / mechanical   300     | white aluminium | 011-9123336       |
| feeder / mechanical   300     | 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

| L·W·H (MM) | ARTICLE NUMBER(S) |
|------------|-------------------|
| 153-41-32  | 011-9282110       |
| 210-40-30  | 011-9282210       |
| 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       |