



Project / Type

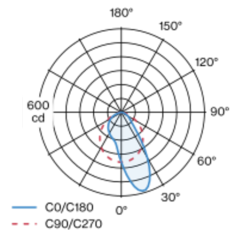
Notes

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 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 24V; accessories are listed separately;

Light distribution



Product drawing



General

Showcase , Standing

rotation 360°

black , RAL9021 ¹

1430 lm/m

IP20

Interior

818 lm

LED

4000 K

CRI ≥ 97

L85 / 50000 h

initial MacAdam ≤ 3 SDCM

Optical

lead

Electrical

excl. driver

24 V

11.6 W

PC3 24V

71 lm/W

20 W/m

24 V

Physical

length 600 mm

width 9 mm

height 9 mm

¹ 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 ^a | Room Surface Maintenance Factor |
| MF | Maintenance Factor | LLMF | Lamp Lumens Maintenance Factor |
| LMF ^a | Luminaire Maintenance Factor | LSF | 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 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 |





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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 |