



Project / Type

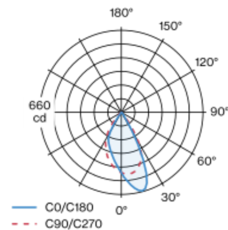
Notes

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); fitted with LED light points; light colour 4000 K; binning initial MacAdam ≤ 3 SDCM; CRI ≥ 95 ; min. 80% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; asymmetric radiation characteristic; 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°

black , RAL 9021 ¹

IP20

Interior

422 lm

optical inset 78 lm/W²

LED

4000 K

CRI ≥ 95

L80 / 50000 h

initial MacAdam ≤ 3 SDCM

R_g: 99 , R_r: 92 , R₍₁₋₁₅₎: 89

MR 0.76

MDER 0.69

Optical

asymmetric

Electrical

excl. driver

24 V

fixture 8.1 W

fixture 52 lm/W³

optical inset 5.4 W

PC3

23 W/m

24 V

Physical

length 400 mm

width 9 mm

height 9 mm

¹ RAL code

² OPTICAL INSET: incl. consideration of optical losses

³ FIXTURE: incl. consideration of optical losses & internal control unit losses SYSTEM: incl. consideration of optical losses, internal control unit losses & operating device efficiency.

Installation instructions





Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF | 0.954 | 0.915 | 0.879 | 0.844 | 0.81 |
| 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 |
| feeder / mechanical 180 | white aluminium | 011-9121136 |
| feeder / mechanical 180 | black | 011-9121138 |
| mechanical 200 | white aluminium | 011-9121216 |
| mechanical 200 | black | 011-9121218 |
| feeder / mechanical 200 | white aluminium | 011-9121236 |
| feeder / mechanical 200 | black | 011-9121238 |
| mechanical 300 | white aluminium | 011-9121316 |
| mechanical 300 | black | 011-9121318 |
| feeder / mechanical 300 | white aluminium | 011-9121336 |
| feeder / mechanical 300 | black | 011-9121338 |



Mounting accessories

MOUNTING POLE T

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



Mounting accessories

MOUNTING POLE Y

| TYPE | COLOUR | ARTICLE NUMBER(S) |
|-------------------------------|-----------------|-------------------|
| 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 / 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 / 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 |





Project / Type

Notes

Count / Date

Electrical accessories

POWER SUPPLY 24V EU

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|----------------|------------|-------------------|
| 18 W non dim | 130-43-30 | 011-9212110 |
| 35 W non dim | 195-43-30 | 011-9212210 |
| 60 W non dim | 220-43-30 | 011-9212310 |
| 18 W DALI-2 | 130-43-30 | 011-9212130 |
| 35 W DALI-2 | 195-43-30 | 011-9212230 |
| 60 W DALI-2 | 220-43-30 | 011-9212330 |



POWER SUPPLY 24V UL

| TYPE | L-W-H (MM) | ARTICLE NUMBER(S) |
|----------------|------------|-------------------|
| 20 W non dim | 153-41-32 | 011-9282110 |
| 40 W non dim | 210-40-30 | 011-9282210 |
| 60 W non dim | 250-40-30 | 011-9282310 |
| 60 W 1-10 V | 176-45-32 | 011-9282320 |
| 60 W DALI-2 | 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 |

