

PABLO multilens

180-5710687 080-5900020



Project / Type

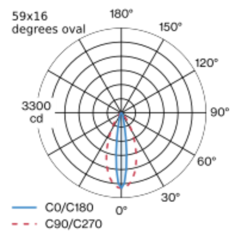
Notes

Count / Date



Track light made of die-cast aluminium; surface traffic white powder coated; 360° rotatable and 310° tiltable; converter installed in aluminium spotlight housing; passive cooling of the LEDs through improved heat sink geometry; with COB (Chip on Board) technology for maximum efficiency; no appearance of multiple shadows; light colour 4000 K; binning initial MacAdam ≤ 2 SDCM; CRI ≥ 90 ; min. 85% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; precise radiation characteristic with 16°x59° beam (oval filter); degree of protection IP20; PC1; 220-240 V; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter fixation by means of set screw; incl. converter, dimmable with integrated potentiometer; point outlet, either in surface mounted housing or recessed housing, available as an accessory; accessories are listed separately; light source replaceable by an authorized professional; control gear replaceable by an authorized professional;

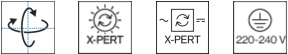
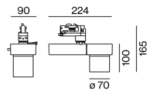
Light distribution



oval 16°

| h (m) | E0° (lx) | ø (m) |
|-------|----------|-------|
| 1 | 2920 | 0.28 |
| 2 | 730 | 0.56 |
| 3 | 320 | 0.84 |
| 4 | 180 | 1.12 |
| 5 | 120 | 1.40 |

Product drawing



General

Ceiling | Track

tilt max 310°

rotation 360°

traffic white | RAL 9016

IP20

1070 lm

LED

4000 K

CRI ≥ 90

L85 / 50000 h

initial MacAdam ≤ 2 SDCM

R_g: 94 | R_f: 87 | R_{t(1-5)}: 90

MR 0.86 | MDER 0.78

Optical

oval | beam angle 16°x59°

PstLM $\leq 1.0^{1,2}$ | SVM $\leq 0.4^{1,2}$

Electrical

DIM POTI

PC1 | 220-240 V

system 14.7 W

system 73 lm/W³

Physical

diameter 70 mm | height 98 mm

0.92 kg

set screw (tool required)

¹ 59x16 degrees oval

² Value of containing product at full load (undimmed)

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

Installation instructions



Lighting calculator





Maintenance Factors

| Operating Time [h] | 10 000 | 20 000 | 30 000 | 40 000 | 50 000 |
|--------------------|--------|--------|--------|--------|--------|
| LLMF | 0.98 | 0.95 | 0.92 | 0.89 | 0.86 |
| 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 Factor |

^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.

Circuit Breaker Types

| Automatic Circuit Breaker Type | Number of Fixtures |
|--------------------------------|--------------------|
| B10 | 31 |
| B13 | 40 |
| B16 | 50 |
| B20 | 62 |
| B25 | 78 |
| C10 | 52 |
| C13 | 67 |
| C16 | 85 |
| C20 | 104 |
| C25 | 130 |

Components

OVAL FILTER

TYPE
60 x 15°

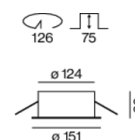
ARTICLE NUMBER(S)
080-5900020



Mounting accessories

RECESSED HOUSING / POINT OUTLET

| TYPE | COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|-------------------|---------------|--------|-------------------|
| ceiling thickness | traffic white | 151 | 186-072277 |
| ceiling thickness | jet black | 151 | 186-072278 |



SURFACE HOUSING / POINT OUTLET

| COLOUR | Ø (MM) | ARTICLE NUMBER(S) |
|---------------|--------|-------------------|
| traffic white | 120 | 186-072287 |
| jet black | 120 | 186-072288 |

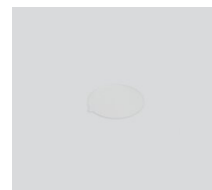


Other accessories

DIFFUSION SHEET FOR SUPERSPOT

TYPE
for a better homogeneous illumination

ARTICLE NUMBER(S)
080-5900030



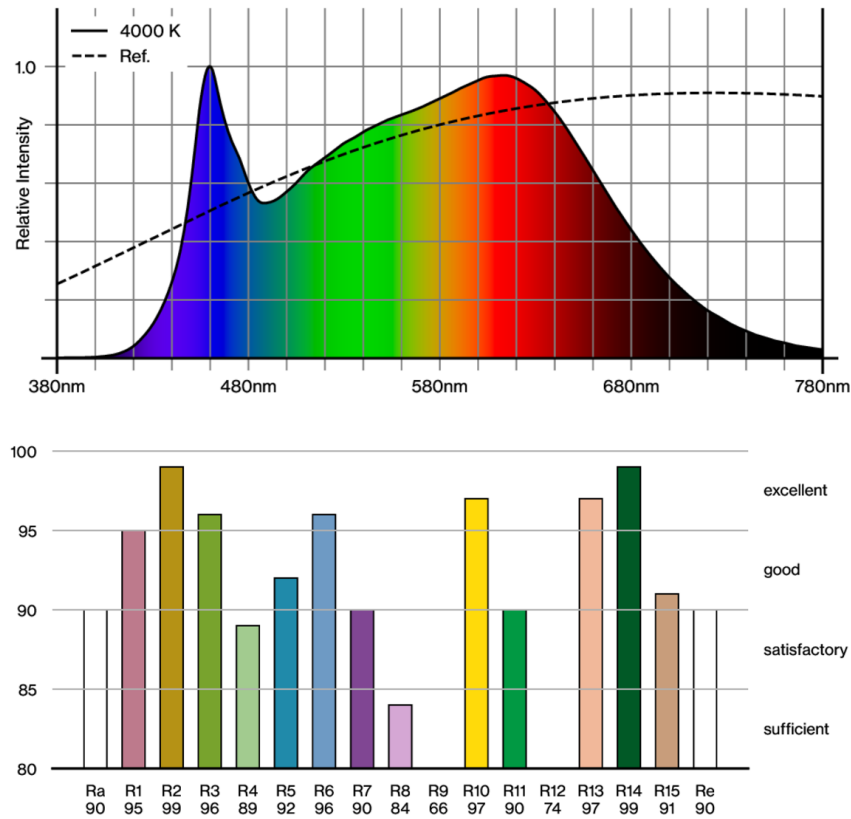


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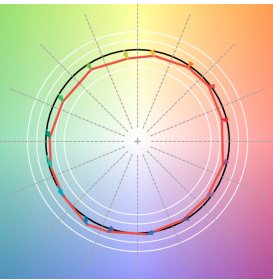
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Colour rendering



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.