PABLO focus

180-5220188

Project / Type

Notes

Count / Date

General

Ceiling , Track
tilt max 310°
rotation 360°
black , RAL 9005 [1]
IP20
508[2]-862[3] lm

LED

4000 K
CRI ≥ 95
L90 / 50000 h
initial MacAdam ≤ 2 SDCM
R_g: 98 , R_f: 91 , $R_{f\{1\text{-}15\}}$: 95
MR 0.85
MDER 0.77

Optical

focus
beam angle 17°[2]-47°[3]
PstLM ≤ 1.0[3 2 4]
SVM ≤ 0.4[3 2 4]

Electrical

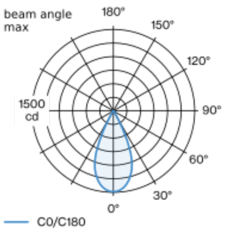
DIM POTI
220-240 V
system 14.0 W
system 36[2]-62[3] lm/W[5]
PC1

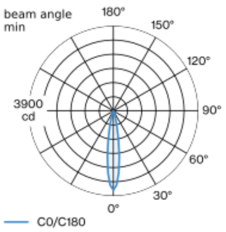
Physical

diameter 70 mm
height 106 mm
0.9 kg
tool-free fixation

Track light made of die-cast aluminium; surface black 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 ≥ 95; min. 90% of luminous flux after 50000 operating hours; energy efficient LEDs with high CRI; incl. high quality plano-convex glass lens; precise object focusing through adjustable lens; adjustable beam angle of 17° - 47°; focusing by means of rubberised adjusting ring on the spotlight head; degree of protection IP20; PC1; 220-240 V; adapter for toolless insertion or movement on a variety of 3-phase power tracks; adapter fixation without tools by means of knurled 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





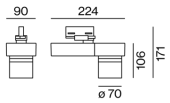
focus 47°

h (m)	E0° (lx)	ø (m)
1	1490	0.87
2	370	1.74
3	170	2.60
4	90	3.47
5	60	4.34

focus 17°

h (m)	E0° (lx)	ø (m)
1	3630	0.30
2	910	0.60
3	400	0.89
4	230	1.19
5	150	1.49

Product drawing



[1] RAL code [2] beam angle min [3] beam angle max
[4] Value of containing product at full load (undimmed)
[5] 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

Lighting calculator

['180-5220188'] The technical data represent rated values for an ambient temperature of 25°C. The data values for the luminous flux are initially subject to a tolerance of +/- 10%, those for the electrical connected load are initially subject to a tolerance of +/- 10%, and those for the colour temperature are initially subject to a tolerance of +/- 150 K. No liability is assumed for typographical or printing errors. The general terms and conditions of XAL GmbH apply.
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