

Plano Pro

IP44 31W/940 PSMP EU DIM WH

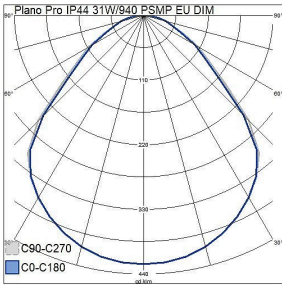
Modular luminaire

Plano Pro is a new-generation, energy-efficient and versatile modular luminaire with a huge range of applications. The luminaire's excellent colour rendering index, UGR value (<19) and IP44 class make it an ideal choice for almost any application. Thanks to its energy-efficiency, Plano Pro is suitable for public spaces such as corridors, lobbies and open-plan offices. Because of its low UGR value, the luminaire can be used in schools, day-care centres and spaces where computers are used. The bottom part of the luminaire has an IP44 classification, making it suitable for dusty and humid spaces. A variety of installation accessories are available for the luminaire, including cover sheets for the round light opening and accessories for surface and recessed mounting. The luminaire is also available as a Tunable White version.

Plano Pro Modular luminaire 31W 4000K 4000lm Dim phase cut-on; IP44; IK02; Protection cl. II; L70B50 100000h; LED not exchangeable; Lamp included; CRI>90; SDCM3; Ending; 2x0.75mm²; Housing al; Colour wh; Cover Plastic, structured; C16 max. 27

Stocked: No

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PRODUCT CODE	CODE	KG	PRODUCT FAMILY
	A2PRAF-EU	1.35	Plano Pro



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EC002892 Ceiling / wall luminaire

Mounting		Structure	
Suitable for wall mounting	No	With mounting material	Yes
Suitable for suspended mounting	No	Lamp type	LED not exchangeable
Suitable for ceiling mounting	Yes	Light source included	Yes
Suitable for recessed mounting	Yes	Suitable for number of lamps	1
Suitable for surface mounting	Yes	Lamp holder	Other
Suitable for light line configuration	No	Housing material	Aluminium
Suitable for clamp-mounting	No	Housing surface protection	Powder coating
Fit for workplace acc. EN 12464-1	Yes	Housing colour	White
Degree of protection (IP)	IP44	Cover material	Plastic, structured
Degree of protection (IP), rear side	IP20	Type of grid	None
Degree of protection (IP), front side	IP44	Control gear included	Yes
Max. number of luminaires per miniature circuit breaker C10 (MCB)	16	Exchangeable control gear	Yes
Max. number of luminaires per miniature circuit breaker B16	16	Energy efficiency class of light source according to EU regulation 2019/2015	D
Max. number of luminaires per miniature circuit breaker C16	27	Containing product according to 2019/2020/EU	Yes
Impact strength	IK02	Emergency power supply system	None
Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24	Yes	Emergency power supply integrated	No
Suitable for emergency lighting	No	With switch	No
Emergency function monitoring system	None	With air slots	No
Luminaire may be covered with thermally insulating material	No	Filament test according to IEC 60695-2-11	650 °C - 30 s
Type of wiring	Ending	Electrotechnical data	
Number of poles	2	Voltage type	AC
Conductor cross section (mm ²)	0.75 mm ²	Nominal voltage (min) (V)	220 V
Connection type	Plug	Nominal voltage (max) (V)	240 V
Connectable conductor cross section (min) (mm ²)	1.5 mm ²	Nominal current (min) (mA)	800 mA
Connectable conductor cross section (max) (mm ²)	2.5 mm ²	Nominal current (max) (mA)	800 mA
		Type of control gear	LED operating device current-controlled
		Protection class according to IEC 61140	II
		Suitable for lamp power (min) (W)	31 W
		Suitable for lamp power (max) (W)	31 W
		Luminaire efficacy (min) (lm/W)	130 lm/W
		Luminaire efficacy (max) (lm/W)	130 lm/W
		Maximum system power (W)	31 W
		Luminaire efficacy (lm/W)	130 lm/W
		Power factor	0.9
		Total harmonic distortion (THD) (%)	20 %
		Total harmonic distortion	20 THD

Dimming and control	
Dimmable	Yes
Dimming 0-10 V	No
Dimming 1-10 V	No
Dimming DALI	No
Dimming DALI-2	No
Dimming DMX	No
Dimming DSI	No
Dimming LineSwitch	No
Dimming manufacturer's proprietary system	No
Dimming mains voltage modulation	No
Dimming trailing edge	Yes
Dimming leading edge	Yes
Dimming programmable	No
Dimming potentiometer (integrated)	No
Dimming RF	No
Dimming Sine Wave Reduction	No
Dimming Touch and Dim	No
Dimming Zigbee	No
Dimming with push-button	No
No dimming function	No
With presence indicator	No
With movement sensor	No
With light sensor	No
Constant luminous flux control	No
Bluetooth operated	No
Compatible with Casambi	No
Compatible with Apple HomeKit	No
Compatible with Google Assistant	No
Compatible with Amazon Alexa	No
IFTTT support available	No

Photometric data	
Light distributor	Diffuser lens/optic/panel
Light sharing	Symmetric
Beam angle	Open beam
Colour consistency (McAdam ellipse)	SDCM3
Light outlet	Direct
Rated luminous flux according to IEC 62722-2-1 (min) (lm)	4000 lm
Rated luminous flux according to IEC 62722-2-1 (max) (lm)	4000 lm
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	4000 lm
Colour temperature (min) (K)	4000 K
Colour temperature (max) (K)	4000 K
Flickering value Pst LM	1
Colour rendering index (CRI/Ra)	90-100
Stroboscope effect value SVM	0.4
Photobiological safety according to EN 62471	RG0
Unified Glare Rating (UGR)	19
Colour temperature switchable	No
Lumen setting adjustable	No
Beam angle adjustable	No

Lifetime and capacity	
Rated life time L70/B50 at 25 °C (h)	100000 h
Rated life time L80/B50 at 25 °C	100000 h
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	95 %
Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	90 %
Lumen maintenance at median useful life of 75,000 hrs at 25 °C ambient (tq) (%)	85 %
Failure rate at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	5 %
Failure rate at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	10 %
Failure rate at median useful life of 75,000 hrs at 25 °C ambient (tq) (%)	10 %
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	0 °C
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25 °C

Measurements	
Width (mm)	595 mm
Height/depth (mm)	32 mm
Length (mm)	595 mm
Built-in length (mm)	600 mm
Built-in width (mm)	600 mm
Built-in height/depth (mm)	80 mm