













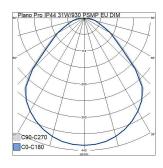
Plano Pro IP44 31W/930 PSMP EU DIM WH

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 3000K 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

IP44 31W/930 PSM	P EU DIM WH		
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
A2PRAE-EU	A2PRAE-EU		Plano Pro







IP44 31W/930 PSMP EU DIM WH

EC002892

Mounting	
Suitable for wall mounting	No
Suitable for suspended mounting	No
Suitable for ceiling mounting	Yes
Suitable for recessed mounting	Yes
Suitable for surface mounting	Yes
Suitable for light line configuration	No
Fit for workplace acc. EN 12464-1	Yes
Degree of protection (IP)	IP44
Degree of protection (IP), rear side	IP20
Degree of protection (IP), front side	IP44
Max. number of luminaires per miniature circuit breaker C10 (MCB)	16
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C16	27
Impact strength	IK02
Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24	Yes
Suitable for emergency lighting	No
Luminaire may be covered with thermally insulating material	No
Type of wiring	Ending
Number of poles	2
Conductor cross section (mm²)	0.75
Connection type	Plug
Connectable conductor cross section (min) (mm²)	1.5
Connectable conductor cross section (max) (mm²)	2.5
Quantity of luminaires for MCB C16:	27
Quantity of luminaires for MCB C10:	16
Quantity of luminaires for MCB B16:	16
Quantity of luminaires for MCB B10:	10

Lamp type LED not exchangeable With lamp Yes Suitable for number of lamps 1 Lamp holder Housing material Housing surface protection Housing colour Cover material Type of grid Control gear included Exchangeable control gear Energy efficiency class of light source according to EU regulation 2019/2015 Containing product according to 2019/2020/EU Emergency power supply integrated No With air slots		
With lamp Yes Suitable for number of lamps 1 Lamp holder Other Housing material Aluminium Housing surface protection Powder coating Housing colour White Cover material Plastic, structured Type of grid None Control gear included Yes Exchangeable control gear Yes Energy efficiency class of light source according to EU regulation 2019/2015 Containing product according to 2019/2020/EU Yes Emergency power supply integrated No With air slots	Structure	
Suitable for number of lamps 1 Lamp holder Other Housing material Aluminium Housing surface protection Powder coating Housing colour White Cover material Plastic, structured Type of grid None Control gear included Yes Exchangeable control gear Yes Energy efficiency class of light source according to EU regulation 2019/2015 Containing product according to 2019/2020/EU Yes Emergency power supply integrated No With air slots No	Lamp type	EEB Hot exeman
Lamp holder Other Housing material Aluminium Housing surface protection Powder coating Housing colour White Cover material Plastic, structured Type of grid None Control gear included Yes Exchangeable control gear Yes Energy efficiency class of light source according to EU regulation 2019/2015 D Containing product according to 2019/2020/EU Yes Emergency power supply integrated No With air slots No	With lamp	Yes
Housing material Aluminium Housing surface protection Powder coating Housing colour White Cover material Plastic, structured Type of grid None Control gear included Yes Exchangeable control gear Yes Energy efficiency class of light source according to EU regulation 2019/2015 Containing product according to 2019/2020/EU Yes Emergency power supply integrated No With air slots No	Suitable for number of lamps	1
Housing surface protection Powder coating Housing colour White Cover material Plastic, structured Type of grid None Control gear included Yes Exchangeable control gear Yes Energy efficiency class of light source according to EU regulation 2019/2015 Containing product according to 2019/2020/EU Yes Emergency power supply integrated No With air slots No	Lamp holder	Other
Housing colour Cover material Plastic, structured red Type of grid None Control gear included Exchangeable control gear Energy efficiency class of light source according to EU regulation 2019/2015 Containing product according to 2019/2020/EU Emergency power supply integrated No With air slots Noiestic, structured Yes Exchangeable control gear Yes Emergency power supply integrated No	Housing material	Aluminium
Cover material Plastic, structured red Type of grid None Control gear included Yes Exchangeable control gear Yes Energy efficiency class of light source according to EU regulation 2019/2015 Containing product according to 2019/2020/EU Yes Emergency power supply integrated No With air slots No	Housing surface protection	Powder coating
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Control gear included Yes Exchangeable control gear Energy efficiency class of light source according to EU regulation 2019/2015 Containing product according to 2019/2020/EU Yes Emergency power supply integrated No With air slots No	Cover material	,
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Emergency power supply integrated No With air slots No		D
With air slots No	Containing product according to 2019/2020/EU	Yes
	Emergency power supply integrated	No
File	With air slots	No
Filament test according to IEU 60695-2-11 650 °C - 30 s	Filament test according to IEC 60695-2-11	650 °C - 30 s

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 phase cut-off Yes Dimming phase cut-off Yes Dimming programmable No Dimming programmable No Dimming Sine Wave Reduction No Dimming Sine Wave Reduction No Dimming Touch and Dim No Dimming With push-button No With movement sensor No With light sensor No Constant luminous flux control No Compatible with Casambi No Compatible with Amazon Alexa No IFTTT support available No	Dimming and control	
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Compatible with Amazon Alexa No	Compatible with Apple HomeKit	No
	Compatible with Google Assistant	No
IFTTT support available No	Compatible with Amazon Alexa	No
	IFTTT support available	No

Photometric data	
Light distributor	Diffuser lens/op- tic/panel
Light sharing	Symmetric
Beam angle	Open beam
Colour consistency (McAdam ellipse)	SDCM3
Light outlet	Direct
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	4000
Colour temperature (min) (K)	3000
Colour temperature (max) (K)	3000
Flickering value Pst LM	1
Colour rendering index CRI	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
Rated life time L80/B50 at 25 °C	80000
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	90
Lumen maintenance at median useful life of 50,000 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
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	0
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25

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

Electrotechnical data	
Voltage type	AC
Nominal voltage (min) (V)	220
Nominal voltage (max) (V)	240
Nominal current (min) (mA)	800
Nominal current (max) (mA)	800
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	II
Suitable for lamp power (min) (W)	31
Suitable for lamp power (max) (W)	31
Maximum system power (W)	31
Luminaire efficacy (lm/W)	130
Power factor	0.9
Total harmonic distortion	20

