











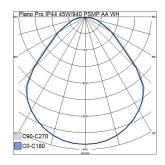
Plano Pro IP20 45W/940 PSMP AA WH

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 45W 4000K 5800lm Dim programmable; ActiveAhead; IP20; IK02; Protection cl. II; L70B50 100000h; LED not exchangeable; Lamp included; CRI>90; SDCM3; Suitable for through wiring; 3x2.5mm²; Housing al; Colour wh; Cover Plastic, structured; C16 max. 61

IP20 45W/940 PSMP AA WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
A2PRAH-AA	A2PRAH-AA		Plano Pro







Cuitable for well according	Nο
Suitable for wall mounting	
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)	IP20
Degree of protection (IP), rear side	IP20
Degree of protection (IP), front side	IP44
Max. number of luminaires per miniature circuit breaker C10 (MCB)	37
Max. number of luminaires per miniature circuit breaker B16	36
Max. number of luminaires per miniature circuit breaker C16	61
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	Suitable for th- rough wiring
Number of poles	3
Conductor cross section (mm²)	2.5
Connection type	Screwless term nal
Connectable conductor cross section (min) (mm²)	1.5
Connectable conductor cross section (max) (mm²)	2.5
Quantity of luminaires for MCB C16:	61
Quantity of luminaires for MCB C10:	37
Quantity of luminaires for MCB B16:	36
Quantity of luminaires for MCB B10:	22

Structure	
Lamp type	LED not exchan- geable
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, structu- 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	D
Containing product according to 2019/2020/EU	Yes
Emergency power supply integrated	No
With air slots	No
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 No Dimming phase cut-off No Dimming programmable Yes Dimming programmable Yes Dimming Sine Wave Reduction No Dimming Sine Wave Reduction No Dimming Touch and Dim No Dimming With push-button No With movement sensor Yes With light sensor Yes Constant luminous flux control No Compatible with Casambi No Compatible with Amazon Alexa IFTTT support available No	Dimming and control	
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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)	5800
Colour temperature (min) (K)	4000
Colour temperature (max) (K)	4000
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)	1200
Nominal current (max) (mA)	1200
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	II
Suitable for lamp power (min) (W)	45
Suitable for lamp power (max) (W)	45
Maximum system power (W)	45
Luminaire efficacy (lm/W)	130
Power factor	0.9
Total harmonic distortion	15

