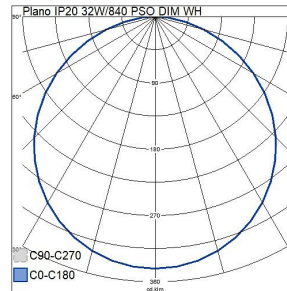# Plano
IP20 32W/840 PSO DIM WH

Plano is a cost-efficient modular luminaire that creates an even and pleasant light. The luminaire offers a long service life and a wide range of mounting options. It is ideal for lobbies, open-plan offices, corridors and other public 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.

Plano Modular luminaire 32W 4000K 3200lm Dim phase cut-on; IP20; IK02; Protection cl. II; L70B50 100000h; LED not exchangeable; Lamp included; CRI>80; SDCM3; Suitable for through wiring; 3x1.5mm²; Housing al; Colour wh; Cover Plastic, opal; C16 max. 27

IP20 32W/840 PSO DIM WH

PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4146833	A2PLAF		Plano

IP20 32W/840 PSO 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	No
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C16	27
Degree of protection (IP)	IP20
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 through wiring
Number of poles	3
Conductor cross section (mm²)	1.5
Connection type	Screwless terminal
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

Structure

Lamp type	LED not exchangeable
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, opal
Type of grid	None
Control gear included	Yes
Exchangeable control gear	Yes
Energy efficiency class of light source according to EU regulation 2019/2015	Not required
Emergency power supply integrated	No
With air slots	No
Filament test according to IEC 60695-2-11	650 °C - 30 s

Dimming and control

Dimming 0-10 V	No
Dimming 1-10 V	No
Dimming DALI-2	No
Dimming DALI	No
Dimming DMX	No
Dimming DSI	No
Dimming potentiometer (integrated)	No
Dimming LineSwitch	No
Dimming manufacturer's proprietary system	No
Dimming mains voltage modulation	No
Dimming phase cut-off	Yes
Dimming phase cut-on	Yes
Dimming programmable	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 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
Effective luminous flux (lm)	3200
Colour of light (alphanumeric)	White
Colour temperature (min) (K)	4000
Colour temperature (max) (K)	4000
Flickering value Pst LM	1
Colour rendering index CRI	80-89
Stroboscope effect value SVM	0.4
Photobiological safety according to EN 62471	RG0
Unified Glare Rating (UGR)	22
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
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	II
Suitable for lamp power (min) (W)	32
Suitable for lamp power (max) (W)	32
Maximum system power (W)	32
Luminaire efficacy (lm/W)	100
Power factor	0.9
Total harmonic distortion	20

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