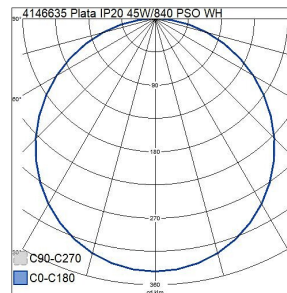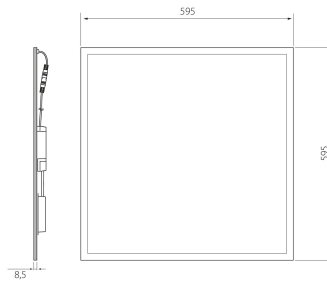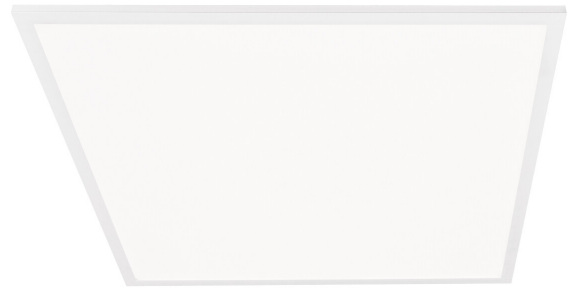# Plata
IP20 45W/840 PSO WH

Plata is a low-profile modular luminaire designed for offices, corridors, lobbies, schools and other public spaces. Anti-glare models equipped with micro-prismatic (MP) diffusers offer an excellent solution for classrooms and spaces where computers and other equipment with displays are used. Plata is suitable for recessed mounting in false ceilings, which makes it ideal for offices and public spaces. It can also be suspended on wires or surface-mounted with a separate mounting set. The control options are on/off, Dali-2, pushbutton (direct pushbutton control 230V) and Casambi.

Plata Modular luminaire 45W 4000K 4600lm No dim; IP20; IK02; Protection cl. II; L70B50 100000h; LED not exchangeable; Lamp included; CRI>80; SDCM3; Suitable for through wiring; 5x2.5mm²; Housing al; Colour wh; Cover Plastic, opal; C16 max. 52

IP20 45W/840 PSO WH

PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4146635	A1UPAF	3 kg	Plata

4146635 Plata IP20 45W/840 PSO WH

C90-C270
C0-C180

IP20 45W/840 PSO WH
EC002892

Mounting

Suitable for wall mounting	No
Suitable for suspended mounting	Yes
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
Degree of protection (IP)	IP20
Degree of protection (IP), rear side	IP20
Degree of protection (IP), front side	Other
Max. number of luminaires per miniature circuit breaker C10 (MCB)	35
Max. number of luminaires per miniature circuit breaker B16	34
Max. number of luminaires per miniature circuit breaker C16	52
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	5
Conductor cross section (mm²)	2.5
Connection type	Screwless terminal
Connectable conductor cross section (min) (mm²)	1.5
Connectable conductor cross section (max) (mm²)	2.5
Quantity of luminaires for MCB C16:	52
Quantity of luminaires for MCB B16:	34

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	E
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

Dimming and control

Dimmable	No
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 phase cut-off	No
Dimming phase cut-on	No
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	Yes
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
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	4600
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
Rated life time L80/B50 at 25 °C	60000
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) (%)	5
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)	8.5
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)	102
Power factor	0.9
Total harmonic distortion	20

AIRAM