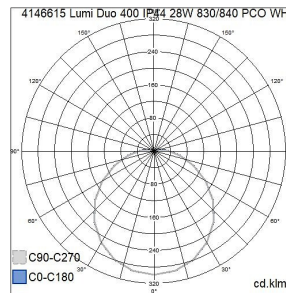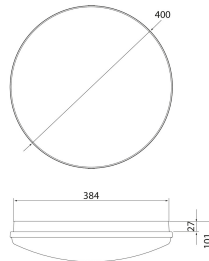# 400 IP44 28W 830/840 PCO WH

Lumi Duo is a versatile and adjustable general lighting range that allows you to select the colour temperature and power. You can select the most suitable model from several size and control options. The Lumi Duo luminaire offers excellent resistance to cold temperatures, down to -30 °C. It is suitable for wall and ceiling mounting in public indoor and outdoor spaces, and in corridors, staircases and wet spaces in residential buildings. These impact-resistant luminaires are suitable for surface and semi-recessed mounting, with an installation bracket included in the delivery. They are quick to mount, thanks to the easy diffuser installation mechanism and LEDs that are located on the luminaire edge. The luminaire, with its screwless connector, is suitable for surface wiring and linking. A white decorative frame is available as an accessory.

Lumi Duo Surface mounted luminaire 28W 3000K/ 4000K 2500lm No dim; IP44; IK10; Protection cl. II; L70B50 50000h; LED not exchangeable; Lamp included; CRI>80; SDCM3; Suitable for through wiring; 3x2.5mm²; Housing Plastic; Colour wh; Cover Plastic, opal; C16 max. 52

400 IP44 28W 830/840 PCO WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4146615	A1LUMC	1.175	Lumi Duo

400 IP44 28W 830/840 PCO WH
EC002892

Mounting

Suitable for wall mounting	Yes
Suitable for suspended mounting	No
Suitable for ceiling mounting	Yes
Suitable for built-in mounting	Yes
Suitable for surface mounting	Yes
Suitable for light line configuration	No
Fit for monitor workplace	No
Max. number of luminaires per miniature circuit breaker B16	30
Max. number of luminaires per miniature circuit breaker C16	52
Degree of protection (IP)	IP44
Impact strength	IK10
Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24	Yes
Suitable for emergency lighting	No
Type of wiring	Suitable for through wiring
Number of poles	3
Conductor cross section (mm²)	2.5
Connection type	Screwless terminal
Quantity of luminaires for MCB C16:	52
Quantity of luminaires for MCB B16:	30

Structure

Lamp type	LED not exchangeable
With lamp	Yes
Suitable for number of lamps	1
Lamp holder	Other
Housing material	Plastic
Housing surface protection	Plastic-coated
Colour housing	White
Material cover	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	No
Dimming phase cut-on	No
Dimming programmable	No
Dimming RF	No
Dimming Sine Wave Reduction	No
Dimming Touch and Dim	No
Dimming Zigbee	No
Dimming with push-button	No
Dimming depending on control gear	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	None
Light sharing	Symmetric
Beam angle	Open beam
Colour consistency (McAdam ellipse)	SDCM3
Light outlet	Direct
Effective luminous flux (lm)	2500
Colour of light (alphanumeric)	White
Colour temperature (min) (K)	3000
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
Colour temperature switchable	Discrete positions
Luminous flux adjustable	Positions
Beam angle adjustable	No

Lifetime and capacity

Rated life time L70/B50 at 25 °C	50000
Rated life time L80/B10 at 25 °C	35000
Rated life time L90/B10 at 25 °C	15000
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq)	80
Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq)	70
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)	-30
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25

Measurements

Width (mm)	400
Height/depth (mm)	101
Length (mm)	400
Outer diameter (mm)	400
Built-in height/depth (mm)	85
Built-in diameter (mm)	390

Electrotechnical data

Voltage type	AC
Nominal voltage (min) (V)	220
Nominal voltage (max) (V)	240
Nominal current (min) (mA)	450
Nominal current (max) (mA)	680
Type of control gear	LED operating device current-controlled
Protection class	II
Suitable for lamp power (min) (W)	17
Suitable for lamp power (max) (W)	28
Maximum system power (W)	28
Luminaire efficacy (lm/W)	89
Power factor	0.9
Total harmonic distortion	15

AIRAM