

Naos

1460x145 IP20 24W/840 DA2 WH

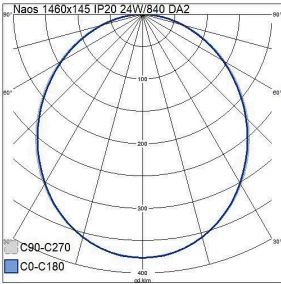
Surface mnt./suspen. luminaire

Naos is a clean-lined, low-profile general luminaire range designed for offices, schools, corridors and other public spaces. The range includes three housing lengths and two housing widths. The luminaire is surface-mounted. The diffuser with a magnet attachment facilitates mounting. Wire-suspension fixtures are available for the Naos 145 mm and Naos 195 mm models to enable suspension mounting.

Naos 24W 4000K 3140lm Dim DALI-2; IP20; IK02; Protection cl. I; LED not exchangeable; Lamp included; CRI>80; SDCM3; Suitable for through wiring; 5x2.5mm²; Housing Steel; Colour wh; Cover Plastic, opal; C16 max. 35

Stocked: No

1460x145 IP20 24W/840 DA2 WH			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4146818	4146818	4.4	Naos



1460x145 IP20 24W/840 DA2 WH

EC002892 Ceiling / wall luminaire

Mounting		Structure	
Suitable for wall mounting	No	With mounting material	Yes
Suitable for suspended mounting	Yes	Lamp type	LED not exchangeable
Suitable for ceiling mounting	Yes	Light source included	Yes
Suitable for recessed mounting	No	Suitable for number of lamps	1
Suitable for surface mounting	Yes	Lamp holder	Other
Suitable for light line configuration	No	Housing material	Steel
Suitable for clamp-mounting	Yes	Housing surface protection	Powder coating
Fit for workplace acc. EN 12464-1	No	Housing colour	White
Degree of protection (IP)	IP20	Cover material	Plastic, opal
Degree of protection (IP), rear side	IP20	Type of grid	None
Degree of protection (IP), front side	IP20	Control gear included	Yes
Max. number of luminaires per miniature circuit breaker C10 (MCB)	21	Exchangeable control gear	Yes
Max. number of luminaires per miniature circuit breaker B16	21	Energy efficiency class of light source according to EU regulation 2019/2015	D
Max. number of luminaires per miniature circuit breaker C16	35	Containing product according to 2019/2020/EU	Yes
Impact strength	IK02	Emergency power supply system	None
Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24	No	Emergency power supply integrated	No
Suitable for emergency lighting	No	With switch	No
Emergency function monitoring system	None	With air slots	No
Type of wiring	Suitable for through wiring	Filament test according to IEC 60695-2-11	650 °C - 30 s
Number of poles	5	Electrotechnical data	
Conductor cross section (mm ²)	2.5 mm ²	Voltage type	AC
Connection type	Screwless terminal	Nominal voltage (min) (V)	220 V
Connectable conductor cross section (min) (mm ²)	1.5 mm ²	Nominal voltage (max) (V)	240 V
Connectable conductor cross section (max) (mm ²)	2.5 mm ²	Type of control gear	LED operating device current-controlled
		Protection class according to IEC 61140	I
		Suitable for lamp power (min) (W)	24 W
		Suitable for lamp power (max) (W)	24 W
		Luminaire efficacy (min) (lm/W)	131 lm/W
		Luminaire efficacy (max) (lm/W)	131 lm/W
		Maximum system power (W)	24 W
		Luminaire efficacy (lm/W)	131 lm/W
		Power factor	0.9
		Total harmonic distortion (THD) (%)	10 %
		Total harmonic distortion	10 THD

Dimming and control	
Dimmable	Yes
Dimming 0-10 V	No
Dimming 1-10 V	No
Dimming DALI	Yes
Dimming DALI-2	Yes
Dimming DMX	No
Dimming DSI	No
Dimming LineSwitch	No
Dimming manufacturer's proprietary system	No
Dimming mains voltage modulation	No
Dimming trailing edge	No
Dimming leading edge	No
Dimming programmable	Yes
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	No
With presence indicator	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
Rated luminous flux according to IEC 62722-2-1 (min) (lm)	3140 lm
Rated luminous flux according to IEC 62722-2-1 (max) (lm)	3140 lm
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	3140 lm
Colour temperature (min) (K)	4000 K
Colour temperature (max) (K)	4000 K
Flickering value Pst LM	1
Colour rendering index (CRI/Ra)	80-89
Stroboscope effect value SVM	0.4
Photobiological safety according to EN 62471	RG0
Unified Glare Rating (UGR)	24
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 h
Rated life time L80/B50 at 25 °C	90000 h
Lumen maintenance at median useful life of 35,000 hrs at 25 °C ambient (tq) (%)	95 %
Lumen maintenance at median useful life of 50,000 hrs at 25 °C ambient (tq) (%)	90 %
Lumen maintenance at median useful life of 75,000 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 %
Failure rate at median useful life of 75,000 hrs at 25 °C ambient (tq) (%)	10 %
Rated ambient temperature acc. IEC62722-2-1 (min) (°C)	0 °C
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	25 °C

Measurements	
Width (mm)	145 mm
Height/depth (mm)	34 mm
Length (mm)	1460 mm