Futura Nano AC

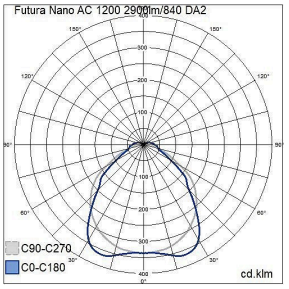
1200 IP66 IK06 2900lm/840 DA2

Sealed industrial luminaire



Futura Nano AC is a low-UGR industrial luminaire utilizing advanced nano-coating. A LED luminaire is designed for locations where high-quality lighting, energy efficiency, a long lifetime and freedom from maintenance are valued. The ABS housing and acrylic diffuser are resistant to ammoniac fumes, lye and alkaline compounds. It can be installed to agricultural buildings, cattle shelters, hen houses and tire warehouses. The luminaire meets the requirements for low ambient temperatures, D classification. In addition to high-quality light, the unique optical solution guarantees excellent efficiency.

Futura Nano AC Sealed industrial luminaire 20W 4000K 2870lm Dim DALI-2; Dim programmable; Dim with push-button; IP66; IK06; Protection cl. I; L70B50 100000h; LED not exchangeable; Lamp included; CRI>80; SDCM3; Through-wired; 5x2.5mm²; Housing Plastic; Colour gr; Cover Plastic, structured; C16 max. 26



Stocked: No

1200 IP66 IK06 2900lm/840 DA2			
PRODUCT CODE	CODE	KG	PRODUCT FAMILY
4338661	4338661	1.8	Futura Nano AC

1200 IP66 IK06 2900lm/840 DA2

EC002892 Ceiling / wall luminaire

Mounting	
Suitable for wall mounting	Yes
Suitable for suspended mounting	Yes
Suitable for ceiling mounting	Yes
Suitable for recessed mounting	No
Suitable for surface mounting	Yes
Suitable for light line configuration	Yes
Suitable for clamp-mounting	Yes
Fit for workplace acc. EN 12464-1	No
Degree of protection (IP)	IP66
Degree of protection (IP), rear side	IP66
Degree of protection (IP), front side	IP66
Max. number of luminaires per miniature circuit breaker C10 (MCB)	16
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C16	26
Impact strength	IK06
Luminaire with limited surface temperature, class "D“ in acc. with EN 60598-2-24	Yes
Suitable for emergency lighting	Yes
Emergency function monitoring system	None
Luminaire may be covered with thermally insulating material	-
Type of wiring	Through-wired
Number of poles	5
Conductor cross section (mm²)	2.5 mm²
Connection type	Screwless terminal
Connectable conductor cross section (min) (mm²)	1.5 mm²
Connectable conductor cross section (max) (mm²)	2.5 mm²

Structure	
With mounting material	Yes
Lamp type	LED not exchangeable
Light source included	Yes
Suitable for number of lamps	1
Lamp holder	Other
Housing material	Plastic
Housing surface protection	Untreated
Housing colour	Grey
Cover material	Plastic, structured
Type of grid	None
Control gear included	Yes
Exchangeable control gear	Yes
Energy efficiency class of light source according to EU regulation 2019/2015	C
Containing product according to 2019/2020/EU	Yes
Emergency power supply system	None
Emergency power supply integrated	No
With switch	No
With air slots	No
Filament test according to IEC 60695-2-11	650 °C - 30 s

Electrotechnical data	
Voltage type	AC/DC
Nominal voltage (min) (V)	220 V
Nominal voltage (max) (V)	240 V
Nominal current (min) (mA)	83 mA
Nominal current (max) (mA)	91 mA
Type of control gear	LED operating device current-controlled
Protection class according to IEC 61140	I
Suitable for lamp power (min) (W)	20 W
Suitable for lamp power (max) (W)	20 W
Luminaire efficacy (min) (lm/W)	144 lm/W
Luminaire efficacy (max) (lm/W)	144 lm/W
Maximum system power (W)	20 W
Luminaire efficacy (lm/W)	144 lm/W
Power factor	0.95
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	Yes
No dimming function	No
With presence indicator	No
With movement sensor	No
With light sensor	No
Constant luminous flux control	Yes
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	Wide beam 40-80°
Colour consistency (McAdam ellipse)	SDCM3
Light outlet	Direct/indirect
Rated luminous flux according to IEC 62722-2- 1 (min) (lm)	2870 lm
Rated luminous flux according to IEC 62722-2- 1 (max) (lm)	2870 lm
Colour of light (alphanumeric)	White
Effective luminous flux (lm)	2870 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)	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 h
Rated life time L80/B50 at 25 °C	100000 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) (%)	95 %
Lumen maintenance at median useful life of 75,000 hrs at 25 °C ambient (tq) (%)	90 %
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)	-25 °C
Rated ambient temperature acc. IEC62722-2-1 (max) (°C)	50 °C

Measurements	
Width (mm)	98 mm
Height/depth (mm)	84 mm
Length (mm)	1175 mm