# Futura Nano PC

## 1200 IP66 IK10 4300lm/840 DA2

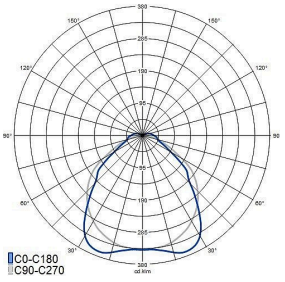
Sealed industrial luminaire



Futura Nano PC is a low-UGR industrial luminaire utilizing advanced nano-coating. The luminaire is designed for locations where, in addition to high-quality lighting, energy efficiency, a long lifetime and freedom from maintenance are valued. In addition to high-quality light, the unique optical solution guarantees excellent efficiency and top-level impact resistance. The luminaire can be installed in industrial premises, warehouses and parking facilities and is also suitable for cold spaces. Easy and uncomplicated installation is made possible by several features: ready wiring, spring connector bars on both ends and latches that stay closed in the luminaire body.

Futura Nano PC Sealed industrial luminaire 27W 4000K 4250lm Dim DALI-2; Dim programmable; Dim with push-button; IP66; IK10; 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 IK10 4300lm/840 DA2 | | | |
|---|---|---|---|
| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
| 4338588 | 4338588 | 1.8 | Futura Nano PC |

# 1200 IP66 IK10 4300lm/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 | IK10 |
| 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 | 850 °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) | 112 mA |
| Nominal current (max) (mA) | 123 mA |
| Type of control gear | LED operating device current-controlled |
| Protection class according to IEC 61140 | I |
| Suitable for lamp power (min) (W) | 27 W |
| Suitable for lamp power (max) (W) | 27 W |
| Luminaire efficacy (min) (lm/W) | 157 lm/W |
| Luminaire efficacy (max) (lm/W) | 157 lm/W |
| Maximum system power (W) | 27 W |
| Luminaire efficacy (lm/W) | 157 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 | Extreme wide beam >80° |
| Colour consistency (McAdam ellipse) | SDCM3 |
| Light outlet | Direct/indirect |
| Rated luminous flux according to IEC 62722-2- 1 (min) (lm) | 4250 lm |
| Rated luminous flux according to IEC 62722-2- 1 (max) (lm) | 4250 lm |
| Colour of light (alphanumeric) | White |
| Effective luminous flux (lm) | 4250 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) | 21 |
| 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) | 45 °C |

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