

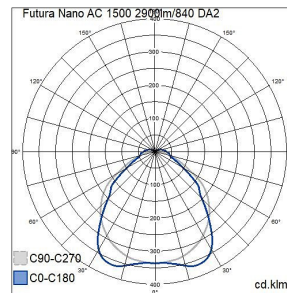


# Futura Nano AC

## 1500 IP66 IK06 2900lm/840 DA2

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 2900lm 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; 5x2.5mm<sup>2</sup>; Housing Plastic; Colour gr; Cover Plastic, structured; C16 max. 26



1500 IP66 IK06 2900lm/840 DA2

| PRODUCT CODE | CODE        | KG  | PRODUCT FAMILY |
|--------------|-------------|-----|----------------|
| 4338664      | T3FNCE-DALI | 2.2 | Futura Nano AC |

| 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   | Other              |
| 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 (mm <sup>2</sup> )                                       | 2.5                |
| Connection type  | Screwless terminal |
| Connectable conductor cross section (min) (mm <sup>2</sup> )                     | 1.5                |
| Connectable conductor cross section (max) (mm <sup>2</sup> )                     | 2.5                |
| Quantity of luminaires for MCB C16:  | 26                 |
| Quantity of luminaires for MCB C10:  | 16                 |
| Quantity of luminaires for MCB B16:  | 16                 |
| Quantity of luminaires for MCB B10:  | 10                 |

| 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        |

| 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<br>40-80°       |
| Colour consistency (McAdam ellipse)                       | SDCM3                     |
| Light outlet  | Direct/indirect           |
| Rated luminous flux according to IEC 62722-2-1 (min) (lm) | 2900                      |
| Rated luminous flux according to IEC 62722-2-1 (max) (lm) | 2900                      |
| Colour of light (alphanumeric)                            | White                     |
| Effective luminous flux (lm)                              | 2900                      |
| Colour temperature (min) (K)                              | 4000                      |
| Colour temperature (max) (K)                              | 4000                      |
| 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 |
| Rated life time L80/B50 at 25 °C  | 100000 |
| 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     |
| 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)                          | -25    |
| Rated ambient temperature acc. IEC62722-2-1 (max) (°C)                          | 50     |

| Measurements      |      |
|-------------------|------|
| Width (mm)        | 98   |
| Height/depth (mm) | 84   |
| Length (mm)       | 1455 |

| Electrotechnical data                   |   |
|---|---|
| Voltage type                            | AC/DC                                   |
| Nominal voltage (min) (V)               | 220                                     |
| Nominal voltage (max) (V)               | 240                                     |
| Nominal current (min) (mA)              | 83                                      |
| Nominal current (max) (mA)              | 91                                      |
| Type of control gear                    | LED operating device current-controlled |
| Protection class according to IEC 61140 | I                                       |
| Suitable for lamp power (min) (W)       | 20                                      |
| Suitable for lamp power (max) (W)       | 20                                      |
| Luminaire efficacy (min) (lm/W)         | 145                                     |
| Luminaire efficacy (max) (lm/W)         | 145                                     |
| Maximum system power (W)                | 20                                      |
| Luminaire efficacy (lm/W)               | 20                                      |
| Power factor                            | 0.95                                    |
| Total harmonic distortion (THD) (%)     | 10                                      |
| Total harmonic distortion               | 10                                      |