

# Futura Nano NB

1200 IP66 IK10 4100lm/840 DA2

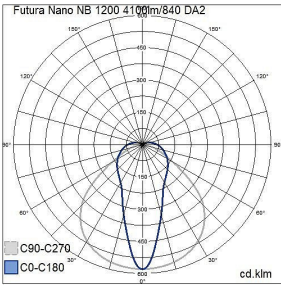
Sealed industrial luminaire

Futura Nano Narrow Beam, designed for high-ceiling spaces, is an industrial luminaire with a narrow beam angle that utilizes advanced nano-coating technology and features a low UGR. 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 and high warehouses. 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 NB Sealed industrial luminaire 27W 4000K 4110lm 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. 35

Stocked: No

| 1200 IP66 IK10 4100lm/840 DA2 |         |     |                |
|-------------------------------|---------|-----|----------------|
| PRODUCT CODE                  | CODE    | KG  | PRODUCT FAMILY |
| 4338648                       | 4338648 | 1.8 | Futura Nano NB |



## 1200 IP66 IK10 4100lm/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)                | 21                  |
| Max. number of luminaires per miniature circuit breaker B16                      | 21                  |
| Max. number of luminaires per miniature circuit breaker C16                      | 35                  |
| Impact strength                                                                  | IK10                |
| Luminaire with limited surface temperature, class "D" in acc. with EN 60598-2-24 | Yes                 |
| Suitable for emergency lighting                                                  | No                  |
| 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 mm <sup>2</sup> |
| Connection type                                                                  | Screwless terminal  |
| Connectable conductor cross section (min) (mm <sup>2</sup> )                     | 1.5 mm <sup>2</sup> |
| Connectable conductor cross section (max) (mm <sup>2</sup> )                     | 2.5 mm <sup>2</sup> |

| 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)                                              | 152 lm/W                                |
| Luminaire efficacy (max) (lm/W)                                              | 152 lm/W                                |
| Maximum system power (W)                                                     | 27 W                                    |
| Luminaire efficacy (lm/W)                                                    | 152 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                                                | Medium beam 20-40°        |
| Colour consistency (McAdam ellipse)                       | SDCM3                     |
| Light outlet                                              | Direct/indirect           |
| Rated luminous flux according to IEC 62722-2-1 (min) (lm) | 4110 lm                   |
| Rated luminous flux according to IEC 62722-2-1 (max) (lm) | 4110 lm                   |
| Colour of light (alphanumeric)                            | White                     |
| Effective luminous flux (lm)                              | 4110 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)                                | 22                        |
| 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 |