



# Luma gen2

## BGP701 LED8-4S/740 DM11 FG GR 42/60P

LUMA GEN2 NANO, LED Module 800 lm, LED, 6.1 W, Power supply unit with DALI and SystemReady interface, Distribution medium 11, Glass, 70° x 37°, Internal (no external connection), Post-top for diameter 60 mm

Luma gen2 is the next generation of the Luma LED luminaire family, fully optimized to become your long-term lighting and innovation partner. While keeping the distinctive design characteristics of the first generation, Luma gen2 gives you the benefits of the latest technologies thanks to its future-proof System Ready architecture, use of optimized Ledgine LED and optical platform ensuring best in class lighting performance in a broad range of applications. It also offers improved serviceability. Installation has also become easier and faster, and thanks to the Service tag, you have access to all relevant documentations onsite. Also, the cable feed-through has been redesigned and access to the gear components is easy thanks to top down tool-less access. Luma gen2 also offers all connectivity and dimming options available today and thanks to being System Ready, it can also to be paired with lighting management systems such as Interact City or existing and upcoming sensor innovations. The Luma gen2 has been developed to optimize and simplify spare part repair and maintenance work using a new plug & play GearFlex module containing all electrical components in an easy to handle and accessible box inside the housing. As a company conscious about the impact of light on the environment and biodiversity, we also equipped the Luma gen2 with dedicated light recipes that help with maintaining the optimal ecosystems for bats or preserve a dark night sky.

### Product data

| General Information |                          |
|---------------------|--------------------------|
| Lamp family code    | LED8 [LED Module 800 lm] |

|                          |        |
|--------------------------|--------|
| Light source replaceable | Yes    |
| Number of gear units     | 1 unit |

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|                          |  |
|--------------------------|--|
| Driver included          | Yes  |
| Remarks                  | * At extreme ambient temperatures the luminaire might automatically dim down to protect components |
| Light source engine type | LED  |
| Service tag              | Yes  |
| Product family code      | BGP701 [LUMA GEN2 NANO]  |
| Lighting Technology      | LED  |
| Value ladder             | Specification  |
| CE mark                  | Yes  |
| Warranty period          | 5 years  |
| Flammability mark        | -  |
| ENEC mark                | ENEC plus mark   |
| EU RoHS compliant        | Yes  |

Light Technical

|                                    |                        |
|------------------------------------|------------------------|
| Upward light output ratio          | 0                      |
| Luminous Flux                      | 728 lm                 |
| Standard tilt angle posttop        | 0°                     |
| Standard tilt angle side entry     | -                      |
| Correlated Color Temperature (Nom) | 4000 K                 |
| Luminous Efficacy (rated) (Nom)    | 119 lm/W               |
| Color rendering index (CRI)        | >70                    |
| Light source color                 | 740 neutral white      |
| Optical cover type                 | Glass                  |
| Luminaire light beam spread        | 70° x 37°              |
| Optic type outdoor                 | Distribution medium 11 |

Operating and Electrical

|  |                        |
|--|------------------------|
| Input Voltage                            | 220 to 240 V           |
| Line Frequency                           | 50 to 60 Hz            |
| Inrush current                           | 18 A                   |
| Inrush time                              | 0.32 ms                |
| Power Consumption                        | 6.1 W                  |
| Power Factor (Fraction)                  | 0.95                   |
| Connection                               | Connection unit 5-pole |
| Cable                                    | -                      |
| Number of products on MCB of 16 A type B | 48                     |

Temperature

|                           |               |
|---------------------------|---------------|
| Ambient temperature range | -40 to +50 °C |
|---------------------------|---------------|

Controls and Dimming

|                               |   |
|-------------------------------|---|
| Dimmable                      | No  |
| Driver/power unit/transformer | Power supply unit with DALI and SystemReady interface |
| Control interface             | Internal (no external connection)                     |
| Constant light output         | No  |

Mechanical and Housing

|                  |                   |
|------------------|-------------------|
| Housing Material | Aluminum die cast |
|------------------|-------------------|

|                                     |                             |
|-------------------------------------|-----------------------------|
| Reflector material                  | -                           |
| Optic material                      | Polymethyl methacrylate     |
| Optical cover material              | Glass                       |
| Fixation material                   | Aluminum                    |
| Housing Color                       | Gray                        |
| Mounting device                     | Post-top for diameter 60 mm |
| Optical cover shape                 | Flat                        |
| Optical cover finish                | Clear                       |
| Overall length                      | 520 mm                      |
| Overall width                       | 236 mm                      |
| Overall height                      | 232 mm                      |
| Effective projected area            | 0.054 m²                    |
| Dimensions (Height x Width x Depth) | 232 x 236 x 520 mm          |

Approval and Application

|  |  |
|--|--|
| Ingress protection code                | IP66 [Dust penetration-protected, jet-proof]                                       |
| Mech. impact protection code           | IK10 [20 J vandal-resistant]   |
| Surge Protection (Common/Differential) | Luminaire surge protection level until 6 kV differential mode and 8 kV common mode |
| Sustainability rating                  | Lighting for circularity   |
| Protection class IEC                   | Safety class I   |

Initial Performance (IEC Compliant)

|                                       |                       |
|---------------------------------------|-----------------------|
| Luminous flux tolerance               | +/-7%                 |
| Initial chromaticity                  | (0.382, 0.380) SDCM 5 |
| Power consumption tolerance           | +/-10%                |
| Init. Color Rendering Index Tolerance | +/-2                  |

Over Time Performance (IEC Compliant)

|  |      |
|--|------|
| Control gear failure rate at median useful life 100000 h | 10 % |
| Lumen maintenance at median useful life* 100000 h        | L98  |

Application Conditions

|                                    |                |
|------------------------------------|----------------|
| Performance ambient temperature Tq | 25 °C          |
| Maximum dim level                  | Not applicable |

Product Data

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Order product name              | BGP701 LED8-4S/740 DM11 FG GR 42/60P |
| Full product name               | BGP701 LED8-4S/740 DM11 FG GR 42/60P |
| Full product code               | 871951410583600                      |
| Order code                      | 910925867324                         |
| Material Nr. (12NC)             | 910925867324                         |
| Numerator - Quantity Per Pack   | 1                                    |
| EAN/UPC - Product/Case          | 8719514105836                        |
| Numerator - Packs per outer box | 1                                    |
| EAN/UPC - Case                  | 8719514105836                        |

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Dimensional drawing

