



Luma gen2

BGP701 LED40-4S/740 II DM10 MSP CLO SRT

LUMA GEN2 NANO, LED module 4000 lm, LED, 24 W, Power supply unit with DALI and SystemReady interface and constant light output (integrated), Distribution medium 10, Glass, 73° x 44°, Internal (no external connection), Side-entry for diameter 42 to 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

Luma gen2

General Information	
Lamp family code	LED40 [LED module 4000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
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	3,510 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	146 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Glass
Luminaire light beam spread	73° x 44°
Optic type outdoor	Distribution medium 10

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	24 W
Average CLO power consumption	24.5 W
End CLO power consumption	24.5 W
Inrush current	21 A
Inrush time	0.3 ms
Power Consumption	24 W
Power Factor (Fraction)	0.97
Connection	Flying leads/wires
Cable	Cable 8.0 m without plug
Number of products on MCB of 16 A type B	21

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 and constant light output (integrated)
Control interface	Internal (no external connection)

Constant light output	Yes
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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	Side-entry for diameter 42 to 60 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	519 mm
Overall width	236 mm
Overall height	240 mm
Effective projected area	0.054 m²
Dimensions (Height x Width x Depth)	240 x 236 x 519 mm

Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Surge protection level until 10 kV differential mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class II

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	10 %
100000 h	
Lumen maintenance at median useful life*	-
35000 h	
Lumen maintenance at median useful life*	-
50000 h	
Lumen maintenance at median useful life*	-
75000 h	
Lumen maintenance at median useful life*	L100
100000 h	

Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data	
Order product name	BGP701 LED40-4S/740 II DM10 MSP CLO SRT

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Full product name	BGP701 LED40-4S/740 II DM10 MSP CLO SRT
Full product code	871951419915600
Order code	910925868227
Material Nr. (12NC)	910925868227
Numerator - Quantity Per Pack	1

EAN/UPC - Product/Case	8719514199156
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514199156

Dimensional drawing

