



Luma gen2

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

Luma gen2, Road & street light, 6.1 W, 728 lm, 4000 K, CRI70, Internal (no external connection), Distribution medium 11, Safety class I, IP66

Luma gen2 is the next generation of the Luma LED luminaire family, fully optimised 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 optimised 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 optimise and simplify spare part repair and maintenance work using a new plug-and-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		Number of gear units	
Lamp family code	LED8 [LED Module 800 lm]		Unit
Light source replaceable	Yes	Driver included	Yes
		Light source engine type	LED

Luma gen2

Service Tag	Yes
Lighting Technology	LED
Value ladder	Specification
Serviceability class	Class A, the luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge-protection device, optics, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Signify Circle

Light Technical

Upwards light output ratio	0
Luminous Flux	728 lm
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	119 lm/W
Colour rendering index (CRI)	70
Light source colour	740 neutral white
Luminaire light beam spread	70° x 37°
Optic type outdoor	Distribution medium 11
Effective projected area	0.054 m ²

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 (16 A type B)	48
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode

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
Maximum dim level	Not applicable

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminium
Housing Colour	Grey
Mounting device	Post-top for diameter 60 mm

Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	520 mm
Overall width	236 mm
Overall height	232 mm
Dimensions (height x width x depth)	232 x 236 x 520 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle post-top	0°
Standard tilt angle side entry	-
Optical cover type	Glass
Net Weight (Piece)	5.760 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382, 0.380) SDCM 5
Power consumption tolerance	+/-10%
Init. Colour Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L98
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L98

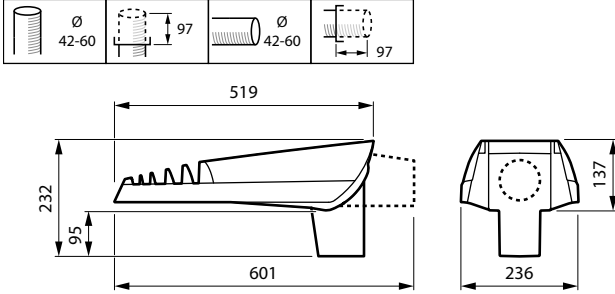
Product Data

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 EOC	871951410583600
Order code	910925867324
Material no. (12 NC)	910925867324
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514105836
Numerator – packs per outer box	1

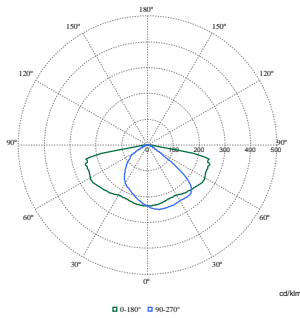
Luma gen2

EAN/UPC - Case	8719514105836
Product family code	BGP701 [LUMA GEN2 NANO]

Dimensional drawing



Photometric data



Polar Normal (separate) - BGP701I - 910925867324

