



# Luma gen2

## BGP702 LW10 LED50-4S/830 DM11 GF CTGO

LUMA GEN2 MICRO - LED module 5000 lm - LED - Power supply unit with DALI and SystemReady interface - Distribution medium 11 - Glass - 160° - 42° x 54° - GPRS network - Post-top for diameter 60-76 mm

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 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		Light source colour	
Lamp family code	LED50 [ LED module 5000 lm]	Light source replaceable	Yes

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Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DALI and SystemReady interface
Driver included	Yes
Optical cover/lens type	G [ Glass]
Luminaire light beam spread	160° - 42° x 54°
Control interface	GPRS network
Connection	Connection unit 5-pole
Cable	-
Protection class IEC	Safety class I
CE mark	CE mark
ENEC mark	ENEC plus mark
Warranty period	5 years
Outdoor optic type	Distribution medium II
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	No
Number of products on MCB	21
LED engine type	LED
Product Family Code	BGP702 [ LUMA GEN2 MICRO]

## Light Technical

Upward light output ratio	0
Standard tilt angle post-top	0°
Standard tilt angle side entry	-

## Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Average CLO power consumption	- W
Inrush current	21 A
Inrush time	0.3 ms
Power factor (min.)	0.97

## Controls and Dimming

Dimmable	Yes
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## Mechanical and Housing

Housing material	Aluminium die-cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminium
Mounting device	60/76P [ Post-top for diameter 60-76 mm]
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	560 mm
Overall width	295 mm
Overall height	280 mm
Effective projected area	0.094 m <sup>2</sup>

Colour	Grey
Dimensions (height x width x depth)	280 x 295 x 560 mm (11 x 11.6 x 22 in)

## 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 up to 6 kV differential mode and 8 kV common mode

## Initial Performance (IEC Compliant)

Initial luminous flux	4500 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	110 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	>80
Initial chromaticity	(0.434, 0.403) SDCM 5
Initial input power	41 W
Power consumption tolerance	+/-11%

## Over Time Performance (IEC Compliant)

Useful life L80B10	100000 h
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 35,000 h	-
Lumen maintenance at median useful life* 50,000 h	-
Lumen maintenance at median useful life* 75,000 h	-
Lumen maintenance at median useful life* 100,000 h	92

## Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

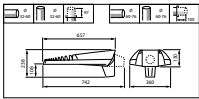
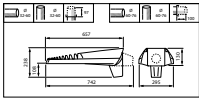
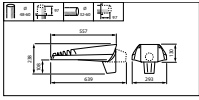
## Product Data

Full product code	871951405968900
Order product name	BGP702 LW10 LED50-45/830 DM11 GF CTGO
EAN/UPC - product	8719514059689
Order code	05968900
Numerator - quantity per pack	1
Numerator - packs per outer box	1
Material no. (12NC)	910925866536
Net weight (piece)	8.635 kg



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## Dimensional drawing



Luma gen2 BGP701-705

