Luma gen2

BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7

LUMA GEN2 MICRO - LED module 4000 lm - LED - Power supply unit with DALI and SystemReady interface - Distribution medium 10 - Glass - 157° - 33° x 55° - Internal (no external connection) - 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 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	
Lamp family code	LED40 [LED module 4000 lm]

Light source colour	740 neutral white
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	157° - 33° x 55°
Control interface	Internal (no external connection)
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 10
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.)	0.95

Controls and Dimming

Dimmable	Yes

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	250 mm
Effective projected area	0.094 m²
Colour	Grey
Dimensions (height x width x depth)	250 x 295 x 560 mm (9.8 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	3600 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	141 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	>70
Initial chromaticity	(0.382, 0.380) SDCM 5
Initial input power	25.5 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	95

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	871951405967200
Order product name	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7
EAN/UPC – product	8719514059672
Order code	05967200
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910925866535
Net weight (piece)	8.530 kg

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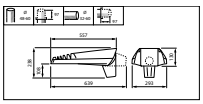
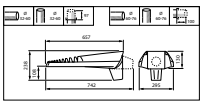
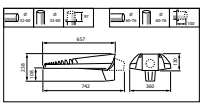
Dimensional drawing







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