PHILIPS Lighting



Luma gen2

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

LUMA GEN2 MICRO, LED module 4000 lm, LED, 25 W, Power supply unit with DALI and SystemReady interface, Distribution medium 10, Glass, 73° x 44°, Internal (no external connection), Post-top for diameter 60 to 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-inclass 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		Light source replaceable	Yes	
Lamp family code	LED40 [LED module 4000 lm]	Number of gear units	Unit	

Luma gen2

Driver included	Yes
Remarks	* At extreme ambient temperatures the
	luminaire might automatically dim down to
	protect components
Light source engine type	LED
Product family code	BGP702 [LUMA GEN2 MICRO]
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	
Upwards light output ratio	0
Luminous Flux	3,600 lm
Standard tilt angle post-top	0°
Standard tilt angle side entry	-
Correlated Colour Temperature	- 4000 K
Luminous efficacy (rated) (nom.)	144 lm/W
Colour rendering index (CRI)	>70
Light source colour	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
Inrush current	21 A
Inrush time	0.3 ms
Power Consumption	25 W
Power Factor (Fraction)	0.97
Connection	Connection unit 5-pole
Cable	-
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
Control interface	Internal (no external connection)
Constant light output	No
Mechanical and Housing	
Housing material	Aluminium die cast
Reflector material	-

Polymethyl methacrylate

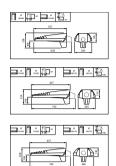
differential mode and 8 kV common mod Sustainability rating Lighting for circularity Protection class IEC Safety class I Initial Performance (IEC Compliant) Initial chromaticity Luminous flux tolerance +/-7% Initial chromaticity (0.382, 0.380) SDCM 5 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Driver failure rate at 5,000 hours Driver failure rate at st,000 hours 0.005 % Control gear failure rate at median useful life* L97 100,000 h Lumen maintenance at median useful life*		
Housing ColourGreyMounting devicePost-top for diameter 60 to 76 mmOptical cover/lens shapeFlatOptical cover/lens finishClearOverall length560 mmOverall width245 mmOverall height245 mmEffective projected area0.094 m²Dimensions (height x width x depth)245 x 245 x 560 mmApproval and ApplicationIP66 [Dust penetration-protected, jet-proof]Mech. impact protection codeIK09 [10 J]Surge Protection (Common/Differential)Luminaire surge protection level up to 6 k differential mode and 8 kV common modSustainability ratingLighting for circularityProtection class IECSafety class 1Initial Performance (IEC Compliant)Uninous flux toleranceInitial chromaticity(0.382, 0.380) SDCM 5Power consumption tolerance+/-2Over Time Performance (IEC Compliant)0.005 %Driver failure rate at 5,000 hours0.005 %Control gear failure rate at median useful life*L97100,000 h	Optical cover/lens material	Glass
Mounting device Post-top for diameter 60 to 76 mm Optical cover/lens shape Flat Optical cover/lens finish Clear Overall length 560 mm Overall width 245 mm Overall height 245 mm Effective projected area 0.094 m² Dimensions (height x width x depth) 245 x 245 x 560 mm Approval and Application IP66 [Dust penetration-protected, jet-proof] Mech. impact protection code IK09 [10 J] Surge Protection (Common/Differential) Luminaire surge protection level up to 6 H differential mode and 8 kV common mod Sustainability rating Lighting for circularity Protection class IEC Safety class 1 Initial Performance (IEC Compliant) Luminous flux tolerance Luminous flux tolerance +/-7% Initial chromaticity (0.382, 0.380) SDCM 5 Power consumption tolerance +/-2 Over Time Performance (IEC Compliant) Initial color Rendering Index Tolerance Uriver failure rate at 5,000 hours 0.005 % Control gear failure rate at median useful life* L97 100,000 h Lumen maintenanc	Fixation material	Aluminium
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Control gear failure rate at median useful 10 % life 100,000 h Lumen maintenance at median useful life* L97 100,000 h	Over Time Performance (IEC Complia	int)
Life 100,000 h Lumen maintenance at median useful life* L97 100,000 h	Driver failure rate at 5,000 hours	0.005 %
Lumen maintenance at median useful life* L97 100,000 h	Control gear failure rate at median useful	10 %
100,000 h	life 100,000 h	
	Lumen maintenance at median useful life*	L97
Application Conditions	100,000 h	
Application Conditions	Application Conditions	
Performance ambient temperature Tq 25 °C		25 °C
Maximum dim level Not applicable		Not applicable

Product Data		
Product Data		
Order product name	BGP702 LED40-4S/740 DM10 GF SRT SRE	
	60/7	
Full product name	BGP702 LED40-4S/740 DM10 GF SRT SRB	
	60/7	
Full EOC	871951405967200	
Order code	05967200	
Material no. (12 NC)	910925866535	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8719514059672	
Numerator – packs per outer box	1	
EAN/UPC - Case	8719514059672	

Optic material

Luma gen2

Dimensional drawing





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