PHILIPS Lighting



Luma gen2

BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6

Luma gen2, Road & street light, 25 W, 3600 lm, 4000 K, CRI70, Internal (no external connection), Distribution medium 10, Safety class I, IP66

The Philips Luma family is designed to deliver flexible, highly efficient, and sustainable lighting that adapts to the dynamic needs of every city. Luma gen2 preserves the distinctive design characteristics of the first generation while adding the benefits of the latest technology, including a future-proof System Ready architecture, a new LEDgine performance extension, and an optical platform that ensures best-in-class lighting performance in a broad range of applications. Luma gen2 also offers improved serviceability. Installation is eas y and fast, and Service tag gives you access to all relevant specs and product documentation onsite. The cable feed-through offers easy, top-down, tool-less access to the luminaire's gear components. Because Luma gen2 is System Ready, your can pair it with connected lighting management systems such as Interact, or with existing and future sensor innovations. Luma gen2 has been developed to optimize and simplify repairs and maintenance with a plug-and-play GearFlex module containing all electrical components in an easy-to-handle and accessible box inside the housing. Because sustainability is our focus, the GearFlex module uses post-industrial recycled material, The white frame around the LED engine uses post-industrial recycled material, and our product packaging minimizes plastic waste. The product can be disassembled in only a few steps at end of life. As a company conscious of the impact of light on the environment and biodiversity, we equipped Luma gen2 luminaires with dedicated light recipes that help to protect ecosystems for bats and preserve the 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
Lighting Technology	LED
Value ladder	Specification
Warranty period	5 years
Sustainability rating	Lighting for circularity

Light Technical

Upward light output ratio	0
Luminous Flux	3,600 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	144 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	73° x 44°
Optic type outdoor	Distribution medium 10
Effective projected area	0.054 m²

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
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Luminaire 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

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Gray

Mounting device	Post-top for diameter 60 mm
Optical cover shape	Flat
Optical cover 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-
Ingress protection code	IP66 [Dust penetration-protected, jet- proof]
Ingress protection code Mech. impact protection code	
	proof]
Mech. impact protection code	proof] IK09 [10 J]
Mech. impact protection code Standard tilt angle posttop	proof] IK09 [10 J]
Mech. impact protection code Standard tilt angle posttop Standard tilt angle side entry	proof] IK09 [10 J] 0° -

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

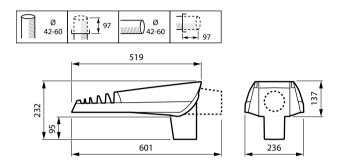
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382, 0.380) SDCM 5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching	SDCM≤5
(McAdam ellipse)	

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L97
50000 h	
Lumen maintenance at median useful life*	L97
100000 h	
Product Data	
Order product name	BGP701 LED40-4S/740 DM10 GF SRT SRB
	42/6
Full product name	BGP701 LED40-4S/740 DM10 GF SRT SRB
	42/6
Full product code	871951410584300
Order code	910925867325
Material Nr. (12NC)	910925867325

Luma gen2

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514105843
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514105843

Dimensional drawing





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Product family code

BGP701 [LUMA GEN2 NANO]

www.lighting.philips.com 2025, January 20 - data subject to change