



Luma gen2

BGP704 LED140-4S/740 DM50 PGR SRT SRB 60

Luma gen2, Road & street light, 83 W, 12740 lm, 4000 K, CRI70, Internal (no external connection), Distribution medium 50, 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

Datasheet, 2024, November 27 data subject to change

Luma gen2

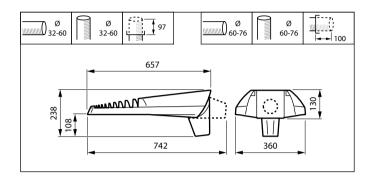
Light source replaceable Number of gear units	LED140 [LED module 14000 lm]	Mounting device Optical cover shape	Post-top for diameter 60 to 76 mm
Light source replaceable Number of gear units		Optical cover shape	Elat
Number of gear units			Flat
	Yes	Optical cover finish	Clear
Driver included	1 unit	Overall length	657 mm
	Yes	Overall width	360 mm
Light source engine type	LED	Overall height	245 mm
Service tag	Yes	Dimensions (Height x Width x Depth)	245 x 360 x 657 mm
Lighting Technology	LED	Ingress protection code	IP66 [Dust penetration-protected, jet-
Value ladder	Specification		proof]
Warranty period	5 years	Mech. impact protection code	IK09 [10 J]
Sustainability rating	Lighting for circularity	Standard tilt angle posttop	O°
		Standard tilt angle side entry	
Light Technical		Optical cover type	Glass
Upward light output ratio	0	Net Weight (Piece)	12.136 kg
Luminous Flux	12,740 lm		
Correlated Color Temperature (Nom)	4000 K	Approval and Application	
Luminous Efficacy (rated) (Nom)	153 lm/W	Flammability mark	-
Color rendering index (CRI)	70	CE mark	Yes
Light source color	740 neutral white	ENEC mark	ENEC plus mark
Luminaire light beam spread	154° - 31° x 54°	EU RoHS compliant	Yes
Optic type outdoor	Distribution medium 50	Performance ambient temperature Tq	25 °C
Effective projected area	0.136 m²	Remarks	* At extreme ambient temperatures the
			luminaire might automatically dim down
Operating and Electrical			protect components
Input Voltage	220 to 240 V	Ambient temperature range	-40 to +50 °C
Line Frequency	50 to 60 Hz		
Inrush current	4 A	Initial Performance (IEC Compliant)	
Inrush time	2.7 ms	Luminous flux tolerance	+/-7%
Power Consumption	83 W	Initial chromaticity	(0.382, 0.380) SDCM 5
Power Factor (Fraction)	0.98	Power consumption tolerance	+/-10%
Connection	Connection unit 5-pole	Init. Color Rendering Index Tolerance	+/-2
Cable	-	Standard Deviation of Colour Matching	SDCM≤5
Number of products on MCB of 16 A type B	21	(McAdam ellipse)	
Protection class IEC	Safety class I		
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV	Over Time Performance (IEC Complia	nt)
	differential mode and 8 kV common mode	Control gear failure rate at median useful	5 %
		life 50000 h	
Controls and Dimming		Control gear failure rate at median useful	10 %
Dimmable	No	life 100000 h	
Driver/power unit/transformer	Power supply unit with DALI and	Lumen maintenance at median useful life*	L97
	SystemReady interface	50000 h	
Control interface	Internal (no external connection)	Lumen maintenance at median useful life*	L97
Constant light output	No	100000 h	
Maximum dim level	Not applicable		
		Product Data	
Mechanical and Housing		Order product name	BGP704 LED140-4S/740 DM50 PGR SF
Housing Material	Aluminum die cast		SRB 60
Reflector material	-	Full product name	BGP704 LED140-4S/740 DM50 PGR SF
Optic material	Polymethyl methacrylate		SRB 60
Optical cover material	Glass	Full product code	871951418202800
Fixation material	Aluminum	Order code	910925868050
Housing Color	Gray	Material Nr. (12NC)	910925868050

Luma gen2

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514182028
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514182028

Product family code	BGP704 [LUMA GEN2 MEDIUM]
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Dimensional drawing





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