



# Luma gen2

#### BGP705 LED120-4S/740 DM50 GF SRT SRB 60

LUMA GEN2 LARGE, LED module 12000 lm, LED, 70 W, Power supply unit with DALI and SystemReady interface, Distribution medium 50, Glass,  $154^{\circ}$  -  $31^{\circ}$  x  $54^{\circ}$ , 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	LED120 [LED module 12000 lm]	Number of gear units	Unit

Datasheet, 2023, April 14 data subject to change

## Luma gen2

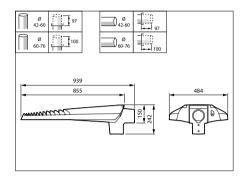
Driver included	Yes	Optical cover/lens material	Glass
Remarks	* At extreme ambient temperatures the	Fixation material	Aluminium
Remarks	luminaire might automatically dim down	Housing Colour	Grey
	to protect components	Mounting device	Post-top for diameter 60 to 76 mm
Light source engine type	LED	Optical cover/lens shape	Flat
Product family code	BGP705 [LUMA GEN2 LARGE]	Optical cover/lens finish	Clear
Lighting Technology	LED	Overall length	855 mm
Value ladder	Specification	Overall width	245 mm
CE mark	Yes	Overall height	245 mm
Warranty period	5 years	Effective projected area	0.378 m²
Flammability mark	-	Dimensions (height x width x depth)	245 x 245 x 855 mm
ENEC mark	ENEC plus mark		
EU RoHS compliant	Yes	Approval and Application	
<u> </u>		Ingress protection code	IP66 [Dust penetration-protected, jet-
Light Technical			proof
Upwards light output ratio	0	Mech. impact protection code	IK09 [10 J]
Luminous Flux	10,920 lm	Surge Protection (Common/Differential)	Luminaire surge protection level up to 6
Standard tilt angle post-top	0°	, a a , a a,	kV differential mode and 8 kV common
Standard tilt angle side entry			mode
Correlated Colour Temperature	4000 K	Sustainability rating	Lighting for circularity
Luminous efficacy (rated) (nom.)	156 lm/W	Protection class IEC	Safety class I
Colour rendering index (CRI)	>70		
Light source colour	740 neutral white	Initial Performance (IEC Compliant)	
Optical cover type	Glass	Luminous flux tolerance	+/-7%
Luminaire light beam spread	154° - 31° x 54°	Initial chromaticity	(0.382, 0.380) SDCM 5
Optic type outdoor	Distribution medium 50	Power consumption tolerance	+/-10%
		Init. Color Rendering Index Tolerance	+/-2
Operating and Electrical			
Input Voltage	220 to 240 V	Over Time Performance (IEC Complia	nt)
Line Frequency	50 to 60 Hz	Driver failure rate at 5,000 hours	0.005 %
Inrush current	12 A	Control gear failure rate at median useful	3.5 %
Inrush time	0.1 ms	life 35,000 h	
Power Consumption	70 W	Control gear failure rate at median useful	5 %
Power Factor (Fraction)	0.97	life 50,000 h	
Connection	Connection unit 5-pole	Control gear failure rate at median useful	7.5 %
Cable	-	life 50,000 h	
Number of products on MCB of 16 A type B	23	Control gear failure rate at median useful	10 %
		life 100,000 h	
Temperature		Lumen maintenance at median useful life*	L97
Ambient temperature range	-40 to +50 °C	100,000 h	
Controls and Dimming		Application Conditions	
Dimmable	No	Performance ambient temperature Tq	25 °C
Driver/power unit/transformer	Power supply unit with DALI and	Maximum dim level	Not applicable
	SystemReady interface		
Control interface	Internal (no external connection)	Product Data	
Constant light output	No	Order product name	BGP705 LED120-4S/740 DM50 GF SRT SRB 60
Mechanical and Housing		Full product name	BGP705 LED120-4S/740 DM50 GF SRT
Housing material	Aluminium die cast		SRB 60
Reflector material	-	Full EOC	871951410401300
Optic material	Polymethyl methacrylate	Order code	10401300

## Luma gen2

Material no. (12 NC)	910925867140
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514104013
Numerator – packs per outer box	1

EAN/UPC - Case	8719514104013
, -	

#### Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.