# **PHILIPS** Lighting



# Luma gen2

# BGP704 LED140-4S/740 DM50 GF SRT SRB 60

LUMA GEN2 MEDIUM, LED module 14000 lm, LED, 83 W, Power supply unit with DALI and SystemReady interface, Distribution medium 50, Glass, 154° - 31° x 54°, 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 optimized 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 optimized 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 optimize and simplify spare part repair and maintenance work using a new plug & 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	LED140 [LED module 14000 lm]	Number of gear units	1 unit	

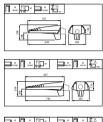
## Luma gen2

Dutana in duale d	
Driver included	Yes
Remarks	* At extreme ambient temperatures the
	luminaire might automatically dim down to
	protect components LED
Light source engine type	Yes
Service tag	
Product family code	BGP704 [LUMA GEN2 MEDIUM]
Lighting Technology Value ladder	· · · · · · · · · · · · · · · · · · ·
CE mark	Specification Yes
Warranty period Flammability mark	5 years
ENEC mark	- ENEC plus mark
EU RoHS compliant	Yes
EO ROHS compliant	
Light Technical	
Upward light output ratio	0
Luminous Flux	12,740 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	153 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Glass
Luminaire light beam spread	154° - 31° x 54°
Optic type outdoor	Distribution medium 50
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	4 A
Inrush time	2.7 ms
Power Consumption	83 W
Power Factor (Fraction)	0.98
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type	<b>B</b> 23
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
Mochanical and Housing	
Mechanical and Housing	Aluminum diet
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 to 76 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	657 mm
Overall width	360 mm
Overall height	245 mm
Effective projected area	0.136 m²
Dimensions (Height x Width x Depth)	245 x 360 x 657 mm
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-
	proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV
	differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
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
Over Time Performance (IEC Complia	ant)
Driver failure rate at 5000 h	0.005 %
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life*	L97
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Product Data	
Order product name	BGP704 LED140-4S/740 DM50 GF SRT
	SRB 60
Full product name	BGP704 LED140-4S/740 DM50 GF SRT
	SRB 60
Full product code	871951405974000
Order code	910925866542
Material Nr. (12NC)	910925866542
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514059740
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514059740

## Luma gen2

#### Dimensional drawing







© 2024 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.

www.lighting.philips.com 2024, January 22 - data subject to change