



# Luma gen2

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

LUMA GEN2 MEDIUM - LED module 14000 lm - LED - Power supply unit with DALI and SystemReady interface - Distribution medium 50 - Glass - 154° - 31° x 54° - Internal (no external connection) - Post-top for diameter 60-76 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 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

<b>General Information</b>	
Lamp family code	LED140 [ LED module 14000 lm]

Light source color	740 neutral white
Light source replaceable	Yes

## Luma gen2

Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DALI and SystemReady interface
Driver included	Yes
Optical cover/lens type	G [ Glass]
Luminaire light beam spread	154° - 31° x 54°
Control interface	Internal (no external connection)
Connection	CU5 [ Connection unit 5-pole]
Cable	-
Protection class IEC	Safety class I (I)
Flammability mark	NO [-]
CE mark	CE mark
ENEC mark	ENEC plus mark
Warranty period	5 years
Optic type outdoor	Distribution medium 50
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	No
Number of products on MCB of 16 A type B	23
EU RoHS compliant	Yes
Light source engine type	LED
Service tag	Yes
Product family code	BGP704 [ LUMA GEN2 MEDIUM]

### Light Technical

Upward light output ratio	0
Standard tilt angle posttop	0°
Standard tilt angle side entry	-

### Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Inrush current	4 A
Inrush time	2.7 ms
Power Factor (Min)	0.98

### Controls and Dimming

Dimmable	No
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### Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Glass
Fixation material	Aluminum
Mounting device	60/76P [ Post-top for diameter 60-76 mm]
Optical cover/lens shape	Flat

Optical cover/lens finish	Clear
Overall length	657 mm
Overall width	360 mm
Overall height	245 mm
Effective projected area	0.136 m <sup>2</sup>
Color	Gray
Dimensions (Height x Width x Depth)	245 x 360 x 657 mm (9.6 x 14.2 x 25.9 in)

### 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

### Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	12740 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	153 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>70
Initial chromaticity	(0.382, 0.380) SDCM 5
Initial input power	83 W
Power consumption tolerance	+/-11%

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L97

### Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

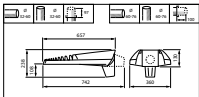
### Product Data

Full product code	871951405974000
Order product name	BGP704 LED140-4S/740 DM50 GF SRT SRB 60
EAN/UPC - Product	8719514059740
Order code	05974000
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925866542
Net Weight (Piece)	12.136 kg



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## Dimensional drawing



Luma gen2 BGP701-705

