# **PHILIPS** Lighting



# Luma gen2

# BGP704 LED210-4S/830 II DX10 GF D18 DDF3

LUMA GEN2 MEDIUM, LED module 21000 lm, LED, 166 W, Power supply unit with DynaDimmer, Distribution extra wide 10, Glass, 150° - 43° x 67°, Internal (no external connection), Posttop 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	LED210 [LED module 21000 lm]	Number of gear units	1 unit	

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Driver included	Yes	
Remarks	* At extreme ambient temperatures the	
	luminaire might automatically dim down to	
	protect components	
Light source engine type	LED	
Service tag	Yes	
Product family code	BGP704 [LUMA GEN2 MEDIUM]	
Lighting Technology	LED	
Value ladder	Specification	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	-	
ENEC mark	ENEC plus mark	
EU RoHS compliant	Yes	
Light Technical		
Upward light output ratio	0	
Luminous Flux	17,850 lm	
Standard tilt angle posttop	0°	
Standard tilt angle side entry	-	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	108 lm/W	
Color rendering index (CRI)	>80	
Light source color	830 warm white	
Optical cover type	Glass	
Luminaire light beam spread	150° - 43° x 67°	
Optic type outdoor	Distribution extra wide 10	
Operating and Electrical		
Input Voltage	220 to 240 V	
Line Frequency	50 to 60 Hz	
Inrush current	58 A	
Inrush time	0.34 ms	
Power Consumption	166 W	
Power Factor (Fraction)	0.99	
Connection	Connection unit 5-pole	
Cable	-	
Number of products on MCB of 16 A type B	7	
Temperature		
Ambient temperature range	-40 to +50 °C	
Controls and Dimming		
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit with DynaDimmer	
Control interface	Internal (no external connection)	
Constant light output	No	
Mechanical and Housing		
	Aluminum die cast	
Housing Material Reflector material	Aluminum die cast -	

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	IK10 [20 J vandal-resistant]
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 II
Initial Performance (IEC Compliant)	

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.434, 0.403) SDCM 5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

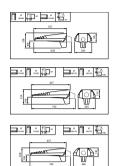
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.005 %
Control gear failure rate at median useful 10 %	
life 100000 h	
Lumen maintenance at median useful life*	L96
100000 h	

Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	30%

Product Data	
Order product name	BGP704 LED210-4S/830 II DX10 GF D18
	DDF3
Full product name	BGP704 LED210-4S/830 II DX10 GF D18
	DDF3
Full product code	871951405975700
Order code	05975700
Material Nr. (12NC)	910925866543
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514059757
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514059757

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#### Dimensional drawing





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