



Luma gen2

BGP705 LED100-4S/830 II DW50 GF SRT SRB

LUMA GEN2 LARGE, LED module 10000 lm, LED, 75 W, Power supply unit with DALI and SystemReady interface, Distribution wide 50, Glass, 150° - 43° x 67° , 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	LED100 [LED module 10000 lm]	Number of gear units	Unit

Datasheet, 2023, April 15 data subject to change

Luma gen2

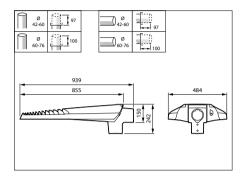
Driver included	Yes	Optical cover/lens material	Glass
Remarks	* At extreme ambient temperatures the	Fixation material	Aluminium
	luminaire might automatically dim down to	Housing Colour	Grey
	protect components	Mounting device	Post-top for diameter 60 to 76 mm
Light source engine type	LED	Optical cover/lens 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	
		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	8,700 lm	Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV
Standard tilt angle post-top	O°		differential mode and 8 kV common mode
Standard tilt angle side entry	<u>-</u>	Sustainability rating	Lighting for circularity
Correlated Colour Temperature	3000 K	Protection class IEC	Safety class II
Luminous efficacy (rated) (nom.)	116 lm/W		
Colour rendering index (CRI)	>80	Initial Performance (IEC Compliant)	
Light source colour	830 warm white	Luminous flux tolerance	+/-7%
Optical cover type	Glass	Initial chromaticity	(0.434, 0.403) SDCM 5
Luminaire light beam spread	150° - 43° x 67°	Power consumption tolerance	+/-10%
Optic type outdoor	Distribution wide 50	Init. Color Rendering Index Tolerance	+/-2
Operating and Electrical		Over Time Performance (IEC Complia	nt)
Input Voltage	220 to 240 V	Driver failure rate at 5,000 hours	0.005 %
Line Frequency	50 to 60 Hz	Control gear failure rate at median useful	3.5 %
Inrush current	12 A	life 35,000 h	
Inrush time	0.1 ms	Control gear failure rate at median useful	5 %
Power Consumption	75 W	life 50,000 h	
Power Factor (Fraction)	0.98	Control gear failure rate at median useful	7.5 %
Connection	Connection unit 5-pole	life 50,000 h	
Cable	_	Control gear failure rate at median useful	10 %
Number of products on MCB of 16 A type B			
	23	life 100,000 h	
	23	life 100,000 h Lumen maintenance at median useful life*	L97
Temperature	23		L97
Temperature Ambient temperature range		Lumen maintenance at median useful life*	L97
Temperature Ambient temperature range	-40 to +50 °C	Lumen maintenance at median useful life*	L97
Ambient temperature range		Lumen maintenance at median useful life* 100,000 h	L97
Ambient temperature range Controls and Dimming	-40 to +50 °C	Lumen maintenance at median useful life* 100,000 h Application Conditions	
Ambient temperature range Controls and Dimming Dimmable	-40 to +50 °C	Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq	25 °C
Ambient temperature range Controls and Dimming	-40 to +50 °C No Power supply unit with DALI and	Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq	25 °C
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	No Power supply unit with DALI and SystemReady interface	Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	25 °C Not applicable
Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Control interface	-40 to +50 °C No Power supply unit with DALI and SystemReady interface Internal (no external connection)	Lumen maintenance at median useful life* 100,000 h Application Conditions Performance ambient temperature Tq Maximum dim level	25 °C Not applicable BGP705 LED100-4S/830 II DW50 GF SRT
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SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514104020
Numerator – packs per outer box	1

EAN/UPC - Case	8719514104020
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Dimensional drawing





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