Luma

BGP625 LED220-4S/830 PSU II DS50 AL GR C

LUMA 2, LED module 22000 lm, 830 warm white, Power supply unit (On/Off), Safety class II, Distribution symmetrical 50, Acrylate micro-lens optic clear, Grey, Constant light output, Side-entry for diameter 62 mm

Luma is a high-performance road-lighting luminaire with a clear design identity, offering a perfectly cooled, fit-and-forget solution for all streets and roads. The lumen package, lifetime and energy profile can be tuned to create the desired solution in terms of energy and cost savings. Luma can be programmed to keep the flux of the LEDs at a predefined constant level over the lifetime of the luminaire – by increasing the operating current over time to compensate for the LED lumen depreciation. Luma uses the high-performance LEDGINE-O engine with latest LED performance and a wide range of optics to latest standards. Moreover Luma's trully flat design prevents upward light to optimize the light distribution for varying road geometries and/or glare restrictions, the tilt angle can easily be adjusted on installation. Luma is also equipped with a dedicate light recipes that preserves a dark night sky.

Product data

General Information	
Lamp family code	LED220 [LED module 22000 lm]
Light source replaceable	Yes
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example

	B10. Therefore, the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Product family code	BGP625 [LUMA 2]
Lighting Technology	LED
Flammability mark	For mounting on normally flammable surfaces

Luma

CE mark	Yes		Optical cover material	Glass
ENEC mark	ENEC plus mark		Fixation material	Aluminum
Warranty period	5 years		Housing Color	Grey
EU RoHS compliant	Yes		Mounting device	Side-entry for diameter 62 mm
Embedded control	Constant light output		Optical cover shape	Flat
			Overall height	130 mm
Light Technical			Effective projected area	0.067 m²
Upward light output ratio	0			
Luminous Flux	19,360 lm		**Approval and Application**	
Standard tilt angle posttop	–		Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Standard tilt angle side entry	0°		Mech. impact protection code	IK09 [10 J]
Correlated Color Temperature (Nom)	3000 K		Surge Protection (Common/Differential)	–
Luminous Efficacy (rated) (Nom)	120 lm/W		Protection class IEC	Safety class II
Color rendering index (CRI)	>80			
Light source color	830 warm white		**Initial Performance (IEC Compliant)**	
Optical cover type	Acrylate micro-lens optic clear		Luminous flux tolerance	+/-7%
Luminaire light beam spread	152° x 155°		Initial chromaticity	(0.382, 0.379) SDCM <5
Optic type outdoor	Distribution symmetrical 50		Power consumption tolerance	+/-10%
			Init. Color Rendering Index Tolerance	+/-2
Operating and Electrical				
Input Voltage	220 to 240 V		**Over Time Performance (IEC Compliant)**	
Line Frequency	50 to 60 Hz		Driver failure rate at 5000 h	0.1 %
Inrush current	53 A		Control gear failure rate at median useful life 100000 h	10 %
Inrush time	0.3 ms			
Power Consumption	162 W		Lumen maintenance at median useful life* 100000 h	L94
Power Factor (Fraction)	0.97			
Connection	Connection unit 3-pole			
Cable	–		**Application Conditions**	
Number of products on MCB of 16 A type B	8		Performance ambient temperature Tq	25 °C
Temperature			**Product Data**	
Ambient temperature range	–40 to +50 °C		Order product name	BGP625 LED220-4S/830 PSU II DS50 AL GRC
			Full product name	BGP625 LED220-4S/830 PSU II DS50 AL GRC
Controls and Dimming				
Dimmable	No		Full product code	871869909210800
Driver/power unit/transformer	Power supply unit (On/Off)		Order code	912300023624
Control interface	Analog		Material Nr. (12NC)	912300023624
Constant light output	No		Numerator – Quantity Per Pack	1
			EAN/UPC – Product/Case	8718699092108
Mechanical and Housing			Numerator – Packs per outer box	1
Housing Material	Aluminum		EAN/UPC – Case	8718699092108
Reflector material	–			
Optic material	Methyl methacrylate and styrene monomer			

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Dimensional drawing

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2023, September 4 – data subject to change