



Luma gen2

BGP703 LED100-4S/830 II DW50 GF SRT SRB

Luma gen2, Road & street light, 79 W, 8600 lm, 3000 K, CRI80, Internal (no external connection), Distribution wide 50, Interact Ready, Safety class II, IP66

Road & street light, Aluminum die cast, Gray, Post-top for diameter 60 to 76 mm, Power supply unit with DALI and SystemReady interface, 8600 lm, 79 W, 109 lm/W, 3000 K, (0.434, 0.403) SDCM 5, CRI80, Distribution wide 50, IP66 | Dust penetration-protected, jet-proof, IK09 | 10 J, Safety class II, Surge protection level until 6 kV differential mode and 8 kV common mode, Connection unit 5-pole

Product data

General Information		Light source color	
Lamp family code	LED100 [LED module 10000 lm]	Light source color	830 warm white
Light source replaceable	Yes	Luminaire light beam spread	150° - 43° x 67°
Number of gear units	1 unit	Optic type outdoor	Distribution wide 50
Driver included	Yes	Effective projected area	0.0998 m²
Light source engine type	LED	Operating and Electrical	
Service tag	Yes	Input Voltage	220 to 240 V
Lighting Technology	LED	Line Frequency	50 to 60 Hz
Value ladder	Specification	Inrush current	4 A
Warranty period	5 years	Inrush time	2.7 ms
Light Technical		Power Consumption	79 W
Upward light output ratio	0	Power Factor (Fraction)	0.98
Luminous Flux	8,600 lm	Connection	Connection unit 5-pole
Correlated Color Temperature (Nom)	3000 K	Cable	-
Luminous Efficacy (rated) (Nom)	109 lm/W	Number of products on MCB of 16 A type B	21
Color rendering index (CRI)	80	Protection class IEC	Safety class II

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Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 8 kV common mode
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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
Maximum dim level	Not applicable
Connectivity	Interact Ready

Mechanical and Housing

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	652 mm
Overall width	295 mm
Overall height	245 mm
Dimensions (Height x Width x Depth)	245 x 295 x 652 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	0°
Standard tilt angle side entry	-
Optical cover type	Glass
Net Weight (Piece)	10.166 kg

Approval and Application

Flammability mark	-
CE mark	Yes
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Ambient temperature range	-40 to +50 °C

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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.005 %
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L96
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L98

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	86.3 kg CO ₂ e
Product non-virgin material ratio	51.9 %
Recyclable content ratio of the finished product	60.3 %
GWP total B6 (kg CO₂eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kwh)
GWP total B6 (kg CO₂eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

Order product name	BGP703 LED100-4S/830 II DW50 GF SRT SRB
Full product name	BGP703 LED100-4S/830 II DW50 GF SRT SRB
Full product code	871951405971900
Order code	910925866539
Material Nr. (12NC)	910925866539
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514059719
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514059719
Product family code	BGP703 [LUMA GEN2 MINI]

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Dimensional drawing

