



Luma gen2 – The standard in road lighting, redefined

Luma gen2

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-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 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.

Luma gen2

Benefits

- Ease of maintenance and spare part repair enabled through the dedicated GearFlex module
- Best in class efficiency and light performance in a broad range of applications
- Future-ready thanks to the SR (System Ready) socket
- Luminaire is also equipped with dedicated light recipes that help with: 1) maintaining the optimal ecosystems for bats 2) preserve a dark night sky and reduce light pollution
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- Dedicated GearFlex module enabling faster, safer and tool-less maintenance
- New cable feedthrough for easy installation
- Ready to be connected to the Interact City lighting management software
- Ready to be paired with third party lighting management systems and sensors
- Tilt now with 2,5 degrees precision
- Efficacy up to 155 lm/W
- Choice of 40+ different beams and option of different internal louvers
- Further optimization on performance flux level enabled by the Philips L-Tune
- Surge protection up to 10kV
- Wide range of lumen packages, ranging from 1,000 to 55,000 lm

Application

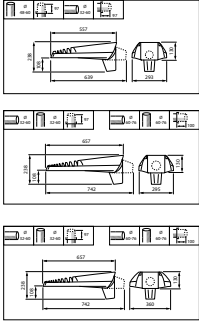
- Motorways, inter-urban main roads, boulevards and avenues, roundabouts, pedestrian crossings
- Residential streets, side streets, squares, parks, cycle and pedestrian paths, playgrounds
- Parking areas, industrial areas, petrol stations, rail yards, airports, harbors, waterways

Versions



Luma gen2 Mini with SR connector

Dimensional drawing



General Information

CE mark	Yes
Driver included	Yes
Flammability mark	-
Light source replaceable	Yes
Number of gear units	1 unit
Service tag	Yes

Light Technical

Optical cover type	Glass
Standard tilt angle side entry	-
Standard tilt angle posttop	0°
Upward light output ratio	0

Mechanical and Housing

Housing Color	Gray
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Approval and Application

Ingress protection code	IP66
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.005 %
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General Information

Order Code	Full Product Name	Lamp family code	Product family code
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	LED60	BGP702
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	LED40	BGP702
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	LED50	BGP702
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	LED140	BGP704
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	LED210	BGP704
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	LED120	BGP704
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	LED120	BGP703
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	LED100	BGP703
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	LED54	BGP703

Light Technical (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
05966500	BGP702 LED60-4S/740	70° x 37°	740 neutral white	4000 K	>70

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color Temperature (Nom)	Color rendering index (CRI)
	DM11 GF SRT SRB 60/7				

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	Color rendering
				Temperature (Nom)	index (CRI)
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	73° x 44°	740 neutral white	4000 K	>70
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	70° x 37°	830 warm white	3000 K	>80
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	154° - 31° x 54°	740 neutral white	4000 K	>70
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	150° - 43° x 67°	830 warm white	3000 K	>80

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Correlated Color	Color rendering
				Temperature (Nom)	index (CRI)
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	70° x 37°	830 warm white	3000 K	>80
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	154° - 31° x 54°	740 neutral white	4000 K	>70
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	150° - 43° x 67°	830 warm white	3000 K	>80
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	70° x 37°	510 ClearField	1000 K	>60

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Optic type outdoor
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	5,400 lm	Distribution medium 11
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	3,600 lm	Distribution medium 10
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	4,500 lm	Distribution medium 11
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	12,740 lm	Distribution medium 50
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	17,850 lm	Distribution extra wide 10

Order Code	Full Product Name	Luminous Flux	Optic type outdoor
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	10,920 lm	Distribution medium 11
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	10,800 lm	Distribution medium 50
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	8,600 lm	Distribution wide 50
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	4,482 lm	Distribution medium 11

Operating and Electrical

Order Code	Full Product Name	Power Consumption
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	38 W
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	25 W
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	40.5 W
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	83 W
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	166 W

Order Code	Full Product Name	Power Consumption
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	91 W
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	74 W
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	79 W
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	52 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	No
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	No
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	Yes
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	No
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	Yes

Order Code	Full Product Name	Dimmable
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	Yes
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	No
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	No
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	No

Approval and Application

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Order Code	Full Product Name	Mech. impact protection code
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	IK09
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	IK09
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	IK09
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	IK09
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	IK10

Order Code	Full Product Name	Mech. impact protection code
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	IK09
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	IK09
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	IK09
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	IK09

Application Conditions

Order Code	Full Product Name	Maximum dim level
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	Not applicable
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	Not applicable
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	Not applicable
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	Not applicable
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	30%

Order Code	Full Product Name	Maximum dim level
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	Not applicable
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	Not applicable
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	Not applicable
05972600	BGP703 LED54-4S/610 DM11 GF SRT SRB 60/7	Not applicable

Polar Wide Diagrams

Polar Normal (separate) - BGP704I -
910925866542

Polar Normal (separate) - BGP702I -
910925866535

Polar Normal (separate) - BGP703I -
910925866538

Polar Normal (separate) - BGP702I -
910925866536

Polar Normal (separate) - BGP702I -
910925866534

Polar Normal (separate) - BGP703I -
910925866539

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Polar Wide Diagrams

Polar Normal (separate) - BGP704I -
910925866543

Polar Normal (separate) - BGP703I -
910925866540

Polar Normal (separate) - BGP704I -
910925866544

