

Luma gen2

BGP701



Luma gen2: The standard in road lighting redefined, with UltraEfficient performance options

The Luma family is designed to deliver flexible, highly efficient, and sustainable lighting that adapts to the dynamic needs of every city. Luma gen2 preserves the distinctive design characteristics of the first generation while adding the benefits of the latest technology, including a future-proof System Ready architecture, a new LEDgine performance extension, and an optical platform that ensures best-in-class lighting performance in a broad range of applications. Luma gen2 also offers improved serviceability. Installation is easy and fast, and Service tag gives you access to all relevant specs and product documentation onsite. The cable feed-through offers easy, top-down, tool-less access to the luminaire's gear components. Because Luma gen2 is System Ready, you can pair it with connected lighting management systems such as Interact, or with existing and future sensor innovations. Luma gen2 has been developed to optimize and simplify repairs and maintenance with a plug-and-play GearFlex module containing all electrical components in an easy-to-handle and accessible box inside the housing. Because sustainability is our focus, the GearFlex module uses post-industrial recycled material, The white frame around the LED engine uses post-industrial recycled material, and our product packaging minimizes plastic waste. The product can be disassembled in only a few steps at end of life. As a company conscious of the impact

of light on the environment and biodiversity, we equipped Luma gen2 luminaires with dedicated light recipes that help to protect ecosystems for bats and preserve the dark night sky.

Benefits

- Best-in-class efficiency and light performance in a broad range of applications
- Ease of repairs and maintenance via a dedicated GearFlex module
- Easy disassembly at end of life
- Future-ready thanks to the SR (System Ready) socket
- Luminaire is equipped with dedicated light recipes that help to maintain optimal ecosystems for bats, preserve the 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 parts information on-site

Applications

- 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 Compact with SR



Features

- Dedicated GearFlex module enabling faster, safer, and tool-less maintenance
- Post-industrial recycled plastic material used in the GearFlex module and the white frame around the LED compartment
- >85% recyclable aluminum content
- Cable feed-through for easy installation
- Ready to be connected to Interact connected lighting management systems
- Ready to be paired with third-party lighting management systems and sensors
- Tilt with precision of 2.5 degrees
- Efficacy up to 200 lm /W for selected configurations
- Choice of 40+ different beams and different internal louvers
- flux optimization tool
- Surge protection up to 10 kV
- Wide range of lumen packages, ranging from 1,000 to 89,000 lm
- Various CCTs ranging from 1800K – 5700K

Luma gen2 Nano with SR



Luma gen2 Micro with SR



Luma gen2 Large with SR



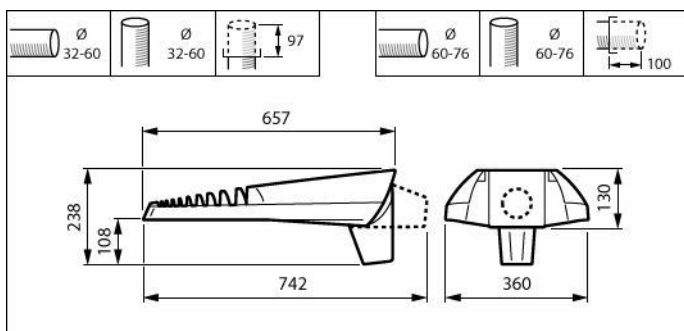
Luma gen2 Medium with SR



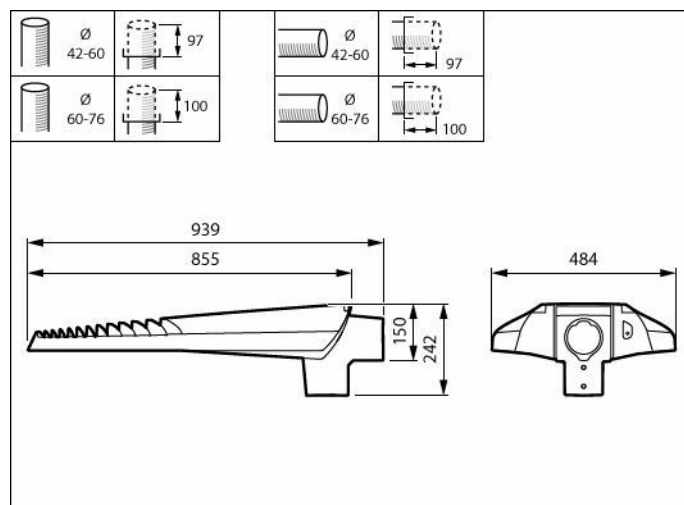
Luma gen2 Mini with SR



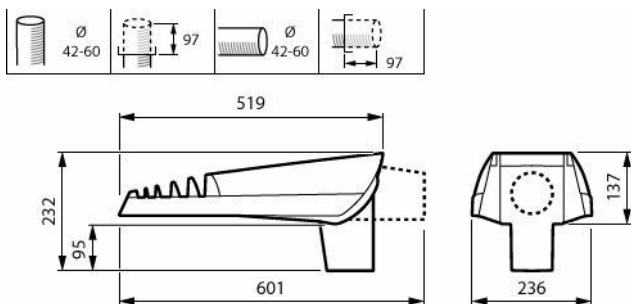
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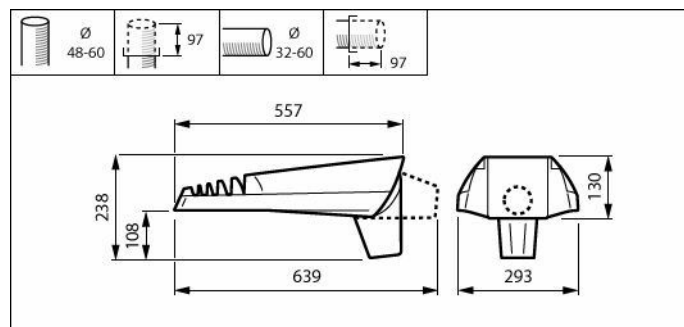
BGP704 LW10 LED120-4S/830 DM11 GF CTGO



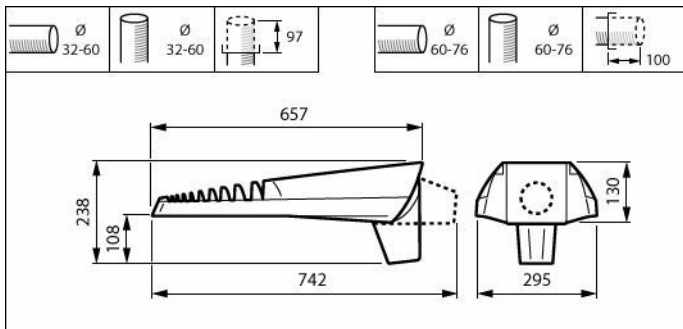
BGP705 LED150-4S/740 DM11 GF SRT SRB 60/



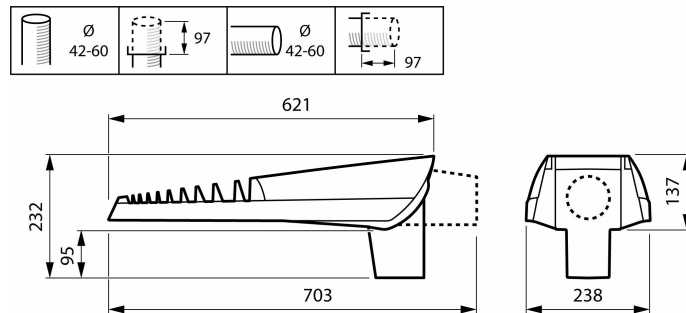
BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6



BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7



BGP703 LED120-4S/740 DM50 GF SRT SRB 60



BGP713 LED100-4S/830 II DW50 GF SRT SRB

Product details

BGP701 Luma gen2 Nano FG
DPP



BGP701 Luma gen2 Nano
Open2 DPP



BGP713 Luma gen2 Mini
Compact Open1 DPP



BGP713 Luma gen2 Mini
Compact Open2 DPP



BGP705 Luma gen2 Large FG
DPP



BGP705 Luma gen2 Large
Open1 DPP



General Information

Light source replaceable	Yes
Driver included	Yes
Service tag	Yes

Light Technical

Upward light output ratio	0
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Mechanical and Housing

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Optical cover type	Glass

Approval and Application

CE mark	Yes
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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	Number of gear units
62469600	BGP713 LED120-4S/740 DM50 GF SRT SRB 60	LED120-4S	1 unit
62470200	BGP713 LED100-4S/830 II DW50 GF SRT SRB	LED100-4S	1 unit
62472600	BGP713 LED50-4S/740 II DM11 GF EZR SRB 6	LED50-4S	1 unit
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	LED40	1 unit
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	LED60	1 unit
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	LED40	1 unit
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	LED50	1 unit
65896700	BGP702 LED60-4S/730 DM11 DDF27 D18 SRG10	LED60	1 unit
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	LED150	1 unit
10404400	BGP705 LED300-4S/740 II DM11 GF SRT SRB	LED300	3 units
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	LED140	1 unit
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	LED210	1 unit
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	LED120	1 unit
62156500	BGP704 LED100-4S/740 II DM32 MSP CLO-DDF	LED100	1 unit
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	LED120	1 unit
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	LED100	1 unit

Light Technical

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Light source color	Luminaire light beam spread	Optic type outdoor
62469600	BGP713 LED120-4S/740 DM50 GF SRT SRB 60	10,800 lm	4000 K	70	740 neutral white	42° x 85°	Distribution medium 50
62470200	BGP713 LED100-4S/830 II DW50 GF SRT SRB	8,600 lm	3000 K	80	830 warm white	40° x 42°	Distribution wide 50
62472600	BGP713 LED50-4S/740 II DM11 GF EZR SRB 6	4,550 lm	4000 K	70	740 neutral white	160° x 95°	Distribution medium 11

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Light source color	Luminaire light beam spread	Optic type outdoor
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	3,600 lm	4000 K	70	740 neutral white	73° x 44°	Distribution medium 10
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	5,400 lm	4000 K	70	740 neutral white	70° x 37°	Distribution medium 11
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	3,600 lm	4000 K	70	740 neutral white	73° x 44°	Distribution medium 10
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	4,500 lm	3000 K	80	830 warm white	70° x 37°	Distribution medium 11
65896700	BGP702 LED60-4S/730 DM11 DDF27 D18 SRG10	5,400 lm	3000 K	70	730 warm white	70° x 37°	Distribution medium 11
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	13,500 lm	4000 K	70	740 neutral white	70° x 37°	Distribution medium 11
10404400	BGP705 LED300-4S/740 II DM11 GF SRT SRB	26,700 lm	4000 K	70	740 neutral white	70° x 37°	Distribution medium 11
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	12,740 lm	4000 K	70	740 neutral white	154° - 31° x 54°	Distribution medium 50
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	17,850 lm	3000 K	80	830 warm white	150° - 43° x 67°	Distribution extra wide 10
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	10,920 lm	3000 K	80	830 warm white	70° x 37°	Distribution medium 11
62156500	BGP704 LED100-4S/740 II DM32 MSP CLO-DDF	9,016 lm	4000 K	70	740 neutral white	65° x 39°	Distribution medium 32
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	10,800 lm	4000 K	70	740 neutral white	154° - 31° x 54°	Distribution medium 50
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	8,600 lm	3000 K	80	830 warm white	150° - 43° x 67°	Distribution wide 50

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
62469600	BGP713 LED120-4S/740 DM50 GF SRT SRB 60	74 W	Surge protection level until 6 kV differential mode and 8 kV common mode
62470200	BGP713 LED100-4S/830 II DW50 GF SRT SRB	79 W	Surge protection level until 6 kV differential mode and 8 kV common mode
62472600	BGP713 LED50-4S/740 II DM11 GF EZR SRB 6	31.5 W	Surge protection level until 6 kV differential mode and 8 kV common mode
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	25 W	Surge protection level until 6 kV differential mode and 8 kV common mode
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	38 W	Surge protection level until 6 kV differential mode and 8 kV common mode
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	25 W	Surge protection level until 6 kV differential mode and 8 kV common mode
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	40.5 W	Surge protection level until 6 kV differential mode and 8 kV common mode
65896700	BGP702 LED60-4S/730 DM11 DDF27 D18 SRG10	40.5 W	Surge protection level until 10 kV differential mode and 10 kV common mode
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	87 W	Surge protection level until 6 kV differential mode and 8 kV common mode

Order Code	Full Product Name	Power Consumption	Surge Protection (Common/Differential)
10404400	BGP705 LED300-4S/740 II DM11 GF SRT SRB	174 W	Surge protection level until 6 kV differential mode and 8 kV common mode
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	83 W	Surge protection level until 6 kV differential mode and 8 kV common mode
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	166 W	Surge protection level until 6 kV differential mode and 8 kV common mode
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	91 W	Surge protection level until 6 kV differential mode and 8 kV common mode
62156500	BGP704 LED100-4S/740 II DM32 MSP CLO-DDF	57 W	Surge protection level until 6 kV differential mode and 8 kV common mode
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	74 W	Surge protection level until 6 kV differential mode and 8 kV common mode
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	79 W	Surge protection level until 6 kV differential mode and 8 kV common mode

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim level
62469600	BGP713 LED120-4S/740 DM50 GF SRT SRB 60	No	Not applicable
62470200	BGP713 LED100-4S/830 II DW50 GF SRT SRB	No	Not applicable
62472600	BGP713 LED50-4S/740 II DM11 GF EZR SRB 6	Yes	1%
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	No	Not applicable
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	No	Not applicable
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	No	Not applicable
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	No	Not applicable
65896700	BGP702 LED60-4S/730 DM11 DDF27 D18 SRG10	Yes	50%
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	No	Not applicable
10404400	BGP705 LED300-4S/740 II DM11 GF SRT SRB	No	Not applicable
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	No	Not applicable
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	Yes	30%
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	No	Not applicable
62156500	BGP704 LED100-4S/740 II DM32 MSP CLO-DDF	Yes	50%
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	No	Not applicable
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	No	Not applicable

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Mech. impact protection code	Standard tilt angle posttop	Standard tilt angle side entry
62469600	BGP713 LED120-4S/740 DM50 GF SRT SRB 60	Gray	IK09	0°	0°
62470200	BGP713 LED100-4S/830 II DW50 GF SRT SRB	Gray	IK09	0°	0°
62472600	BGP713 LED50-4S/740 II DM11 GF EZR SRB 6	Dark gray	IK09	0°	0°
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	Gray	IK09	0°	-
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	Gray	IK09	0°	-
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	Gray	IK09	0°	-
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	Gray	IK09	0°	-

Order Code	Full Product Name	Housing Color	Mech. impact protection code	Standard tilt angle posttop	Standard tilt angle side entry
65896700	BGP702 LED60-4S/730 DM11 DDF27 D18 SRG10	Gray	IK10	-	0°
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	Gray	IK09	0°	-
10404400	BGP705 LED300-4S/740 II DM11 GF SRT SRB	Gray	IK09	0°	-
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	Gray	IK09	0°	-
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	Gray	IK10	0°	-
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	Gray	IK09	0°	-
62156500	BGP704 LED100-4S/740 II DM32 MSP CLO-DDF	Gray	IK09	0°	-
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	Gray	IK09	0°	-
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	Gray	IK09	0°	-

Approval and Application

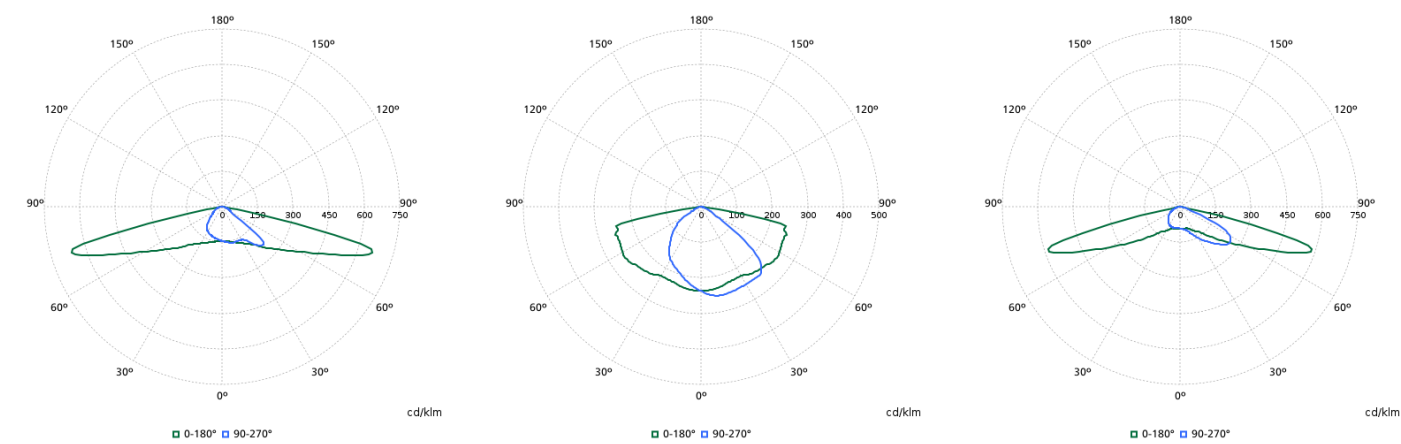
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62469600	BGP713 LED120-4S/740 DM50 GF SRT SRB 60	For mounting on normally flammable surfaces
62470200	BGP713 LED100-4S/830 II DW50 GF SRT SRB	For mounting on normally flammable surfaces
62472600	BGP713 LED50-4S/740 II DM11 GF EZR SRB 6	For mounting on normally flammable surfaces
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	-
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	-
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	-
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	-
65896700	BGP702 LED60-4S/730 DM11 DDF27 D18 SRG10	-
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	-
10404400	BGP705 LED300-4S/740 II DM11 GF SRT SRB	-
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	-
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	-
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	-
62156500	BGP704 LED100-4S/740 II DM32 MSP CLO-DDF	-
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	-
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	-

Product Data

Order Code	Full Product Name	Product family code
62469600	BGP713 LED120-4S/740 DM50 GF SRT SRB 60	BGP713
62470200	BGP713 LED100-4S/830 II DW50 GF SRT SRB	BGP713
62472600	BGP713 LED50-4S/740 II DM11 GF EZR SRB 6	BGP713
10584300	BGP701 LED40-4S/740 DM10 GF SRT SRB 42/6	BGP701
05966500	BGP702 LED60-4S/740 DM11 GF SRT SRB 60/7	BGP702
05967200	BGP702 LED40-4S/740 DM10 GF SRT SRB 60/7	BGP702
05968900	BGP702 LW10 LED50-4S/830 DM11 GF CTGO	BGP702
65896700	BGP702 LED60-4S/730 DM11 DDF27 D18 SRG10	BGP702
10403700	BGP705 LED150-4S/740 DM11 GF SRT SRB 60/	BGP705

Order Code	Full Product Name	Product family code
10404400	BGP705 LED300-4S/740 II DM11 GF SRT SRB	BGP705
05974000	BGP704 LED140-4S/740 DM50 GF SRT SRB 60	BGP704
05975700	BGP704 LED210-4S/830 II DX10 GF D18 DDF3	BGP704
05976400	BGP704 LW10 LED120-4S/830 DM11 GF CTGO	BGP704
62156500	BGP704 LED100-4S/740 II DM32 MSP CLO-DDF	BGP704
05970200	BGP703 LED120-4S/740 DM50 GF SRT SRB 60	BGP703
05971900	BGP703 LED100-4S/830 II DW50 GF SRT SRB	BGP703

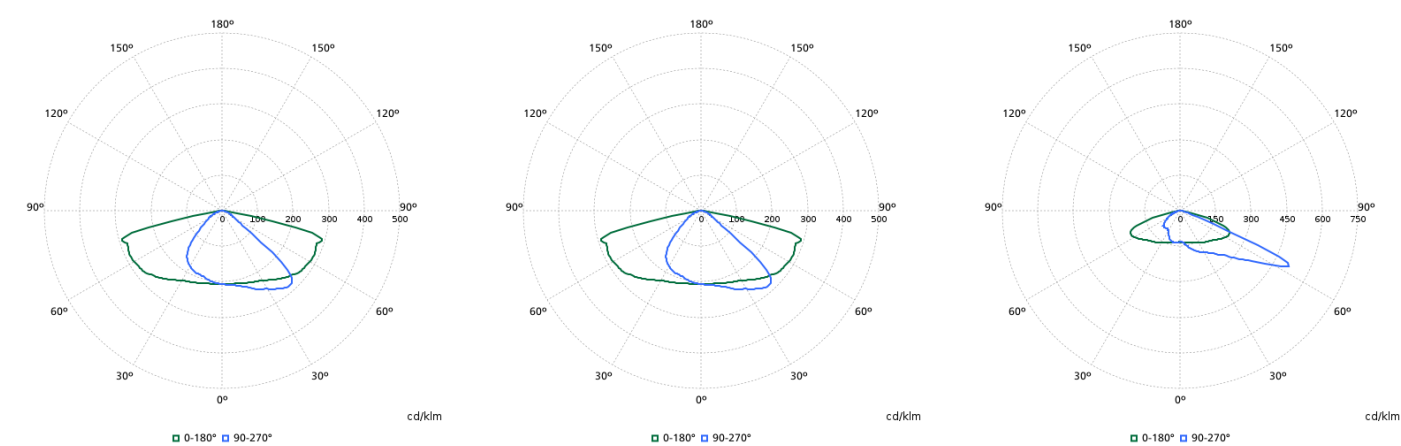
Polar normal diagrams



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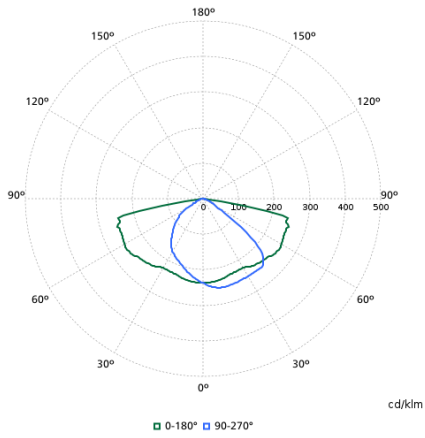
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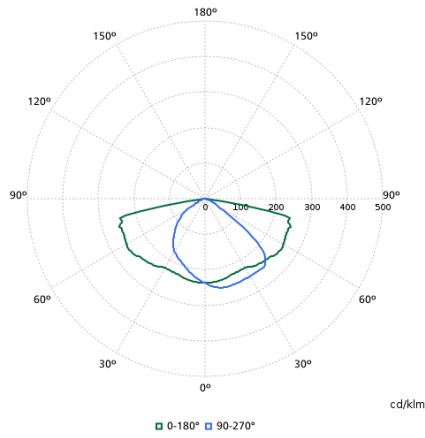
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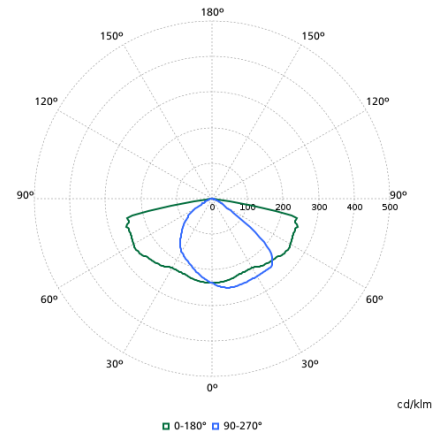
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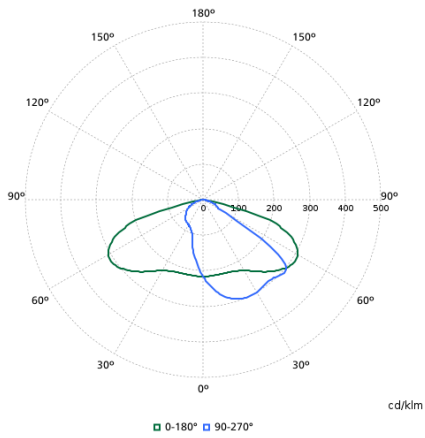
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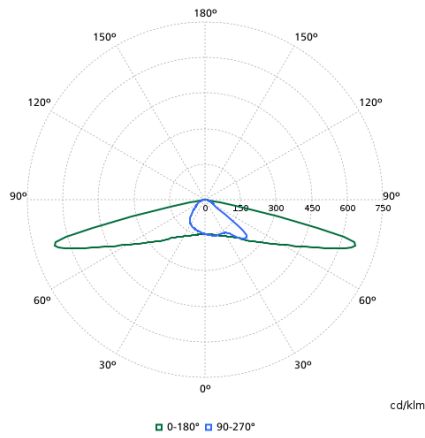
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