



# Iridium gen4 – Leading the way in road lighting comfort and convenience

## Iridium gen4

Iridium gen4, the fourth generation of the Iridium family, is completely redesigned and fully optimised for visual comfort and tool-less maintenance. The Iridium gen4 provides guidance through the clear curved bowl placed in each luminaire along the road. Optional is the offer with GentleBeam. This is a textured curved glass, which reduces glare and improves visual comfort, while maintaining a good lighting distribution. The luminaire holds a new plug and play GearFlex module. This ensures a simplified maintenance and spare part repair process. The complete redesigned luminaire has a tool less opening, similar to Luma gen2, containing all electrical components in an easy to handle and accessible box inside the housing. Besides, the cable feed-through has been redesigned and access to the gear components is easy thanks to top down tool-less access. Iridium gen4 offers all connectivity and dimming options available today. As System Ready luminaire, it can be paired with lighting management systems such as Interact City or existing and upcoming sensor innovations. Also, installation has become easier and faster, and thanks to Service tag, you have access to all relevant documentations onsite. As a company conscious about the impact of light on the environment and biodiversity, the Iridium gen4 is equipped with dedicated light recipes that help with maintaining optimal ecosystems for bats or preserve a dark night sky. Iridium gen4 is a luminaire rated as best in class regarding efficiency and light performance, compared to other luminaires in the range, in a broad range of applications.

## Benefits

- Ease of maintenance and fast repair enablement with tool-less opening and GearFlex module. With Service tag immediate spare part identification.
- Road lighting guidance with a clear bowl and supporting visual comfort with GentleBeam
- System ready with SR socket to connect with Interact City lighting management software and third-party lighting management systems and sensors

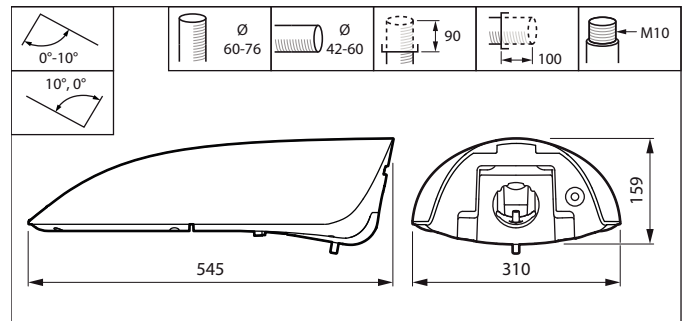
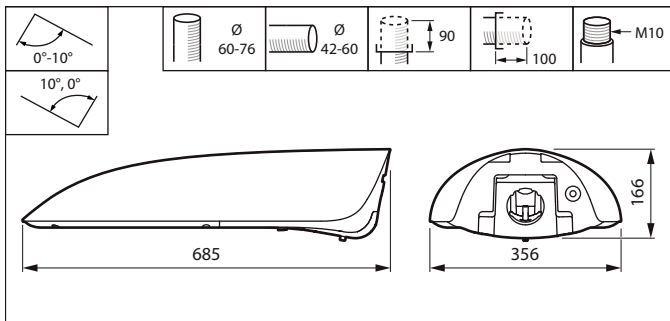
## Features

- New curved bowls for guidance lighting or visual comfort
- High impact resistance, IK10
- Equipped with dedicated light recipes that help 1) maintain the optimal ecosystems for bats 2) preserve a dark night sky and reduce light pollution
- Efficacy up to 155 lm/W
- Choice of 40+ different beams and the option of different internal louvres

## Application

- Motorways, main roads, boulevards and avenues, roundabouts, pedestrian crossings
- Residential streets, side streets, squares, parks, cycle and pedestrian paths, playgrounds
- Parking areas, industrial areas, airports, harbours, waterways

## Dimensional drawing



## Product details

BGP501 Iridium gen4 Mini FG



BGP502 Iridium gen4 Medium Open2



Product details



BGP501 Iridium gen4 Mini Open2

General Information	
Driver included	Yes
Light source replaceable	Yes
Number of gear units	Unit
Service Tag	Yes
Light Technical	
Upwards light output ratio	0
Operating and Electrical	
Surge Protection (Common/Differential)	Luminaire surge protection level up to 6 kV differential mode and 6 kV common mode
Controls and Dimming	
Dimmable	Yes
Maximum dim level	Not applicable
Mechanical and Housing	
Housing Colour	Grey
Mech. impact protection code	IK10
Ingress protection code	IP66
Standard tilt angle side entry	0°
Standard tilt angle post-top	0°
Approval and Application	
CE mark	Yes
Flammability mark	For mounting on normally flammable surfaces
Over Time Performance (IEC Compliant)	
Driver failure rate at 5,000 hours	0.5 %

General Information

Order Code	Full Product Name	Lamp family code
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	LED10-4S
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	LED20-4S
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	LED45-4S
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	LED10-4S
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	LED55-4S
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	LED35-4S
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	LED18-4S
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	LED45-4S
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	LED110-4S
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	LED120-4S
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	LED160-4S

Light Technical (1/2)

## Iridium gen4

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Correlated Colour Temperature (Nom)	Colour rendering index (CRI)
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	45° x 54°	740 neutral white	4000 K	70
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	45° x 54°	740 neutral white	4000 K	70
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	34° x 62°	740 neutral white	4000 K	70
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	13° x 60°	830 warm white	3000 K	80
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	5° x 57°	740 neutral white	4000 K	70
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	58 x 71°	740 neutral white	4000 K	70

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Correlated Colour Temperature (Nom)	Colour rendering index (CRI)
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	38° x 56°	830 warm white	3000 K	80
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	45° x 54°	740 neutral white	4000 K	70
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	34° x 62°	740 neutral white	4000 K	70
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	13° x 60°	830 warm white	3000 K	80
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	58 x 71°	740 neutral white	4000 K	70

### Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Optic type outdoor
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	900 lm	Distribution medium 11
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	1,780 lm	Distribution medium 11
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	3,960 lm	Distribution wide 10
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	910 lm	Distribution wide 10
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	4,576 lm	Distribution medium 11
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	2,890 lm	Distribution extra-wide 10

Order Code	Full Product Name	Luminous Flux	Optic type outdoor
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	1,584 lm	Distribution medium 10
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	4,050 lm	Distribution medium 11
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	9,570 lm	Distribution wide 10
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	9,890 lm	Distribution wide 10
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	12,245 lm	Distribution extra-wide 10

### Operating and Electrical

Order Code	Full Product Name	Power Consumption
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	7.3 W
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	13.2 W
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	27.5 W
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	8.9 W
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	34 W
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	21 W

Order Code	Full Product Name	Power Consumption
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	14.8 W
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	28 W
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	63 W
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	79 W
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	90 W

## Mechanical and Housing

Order Code	Full Product Name	Optical cover type
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	Glass
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	Glass
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	Glass
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	Glass
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	Glass
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	Glass

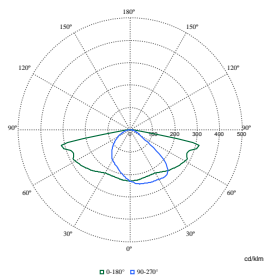
Order Code	Full Product Name	Optical cover type
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	Polycarbonate
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	Glass
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	Glass
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	Glass
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	Glass

## Product Data

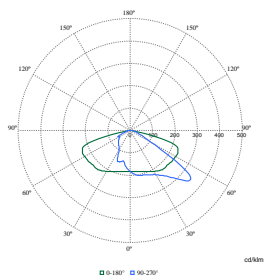
Order Code	Full Product Name	Product family code
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	BGP501
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	BGP501
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	BGP501
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	BGP501
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	BGP501
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	BGP501

Order Code	Full Product Name	Product family code
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	BGP501
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	BGP502
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	BGP502
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	BGP502
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	BGP502

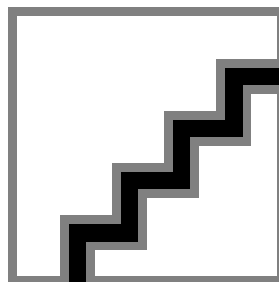
## Polar Wide Diagrams



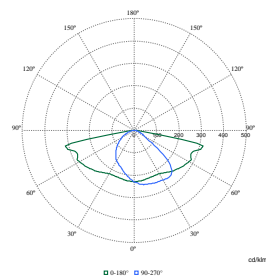
Polar Normal (separate) - BGP501I - 910925866555



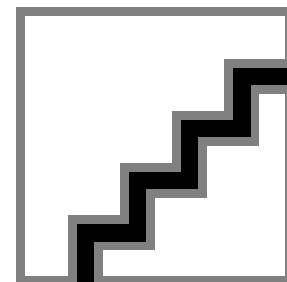
Polar Normal (separate) - BGP501I - 910925866562



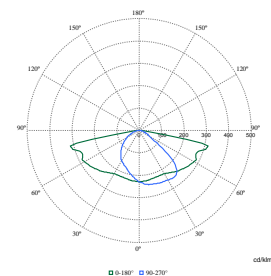
Polar Normal (separate) - BGP502I - 910925866573



Polar Normal (separate) - BGP502I - 910925866567

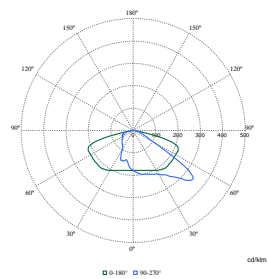


Polar Normal (separate) - BGP501I - 910925866564



Polar Normal (separate) - BGP501I - 910925866554

Polar Wide Diagrams



Polar Normal (separate) - BGP502I -  
910925866569

