



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

Versions



BGP501 Iridium gen4 Mini top

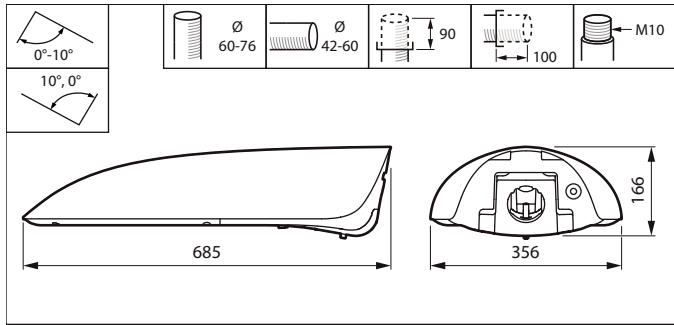
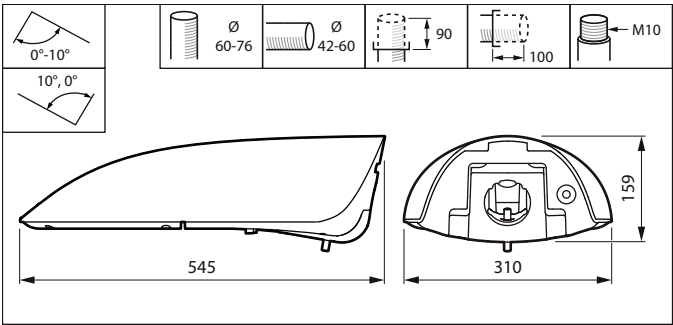


BGP502 Iridium gen4 Medium FG



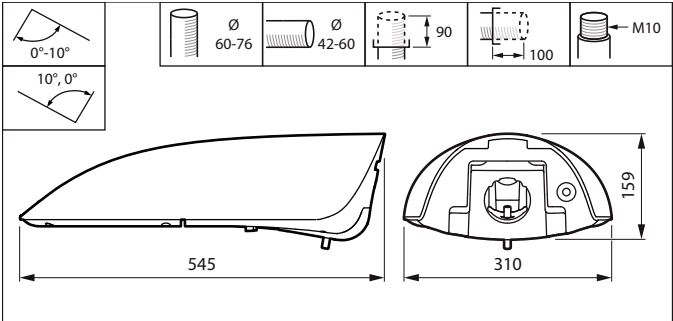
BGP501 Iridium gen4 Mini FG

Dimensional drawing



Iridium gen4

Dimensional drawing



Product details

BGP501 Iridium gen4 Mini FG



BGP501 Iridium gen4 Mini Open2



BGP502 Iridium gen4 Medium Open2



BGP501 Iridium gen4 Mini Cable1



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)	Surge protection level until 6 kV differential mode and 6 kV common mode
Controls and Dimming	
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

General Information

Order Code	Full Product Name	Gear	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
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	-	LED100-4S
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
10570600	BGP501 LED45-4S/740 II GF DM11 GR CO CLO	EBD	LED45-4S

Light Technical (1/2)

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

Order Code	Full Product Name	Luminaire light beam spread	Light source colour	Correlated Colour Temperature (Nom)	Colour rendering index (CRI)
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
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	38° x 56°	830 warm white	3000 K	80

Order Code	Full Product Name	Luminaire	Light	Correlated	Colour
		light beam spread	source colour	Colour Temperature (Nom)	rendering index (CRI)
05999300	BGP502	45° x 54°	740	4000 K	70
	LED45-4S/740		neutral		
	DM11 FG GF SRTB		white		
	S05Z				
06001200	BGP502	34° x 62°	740	4000 K	70
	LED110-4S/740 II		neutral		
	DW10 FG GF SRTB		white		
06002900	BGP502	45° x 54°	740	4000 K	70
	LED100-4S/740		neutral		
	DM11 FG GF SRTB		white		
	SP				

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
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	1,584 lm	Distribution medium 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
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	14.8 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	No
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	No
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	No
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	No

			Correlated	Colour	
		Luminaire	Light	Colour	Colour
		light beam	source	Temperature	rendering
Order Code	Full Product Name	spread	colour	(Nom)	index
06003600	BGP502	13° x 60°	830	3000 K	80
	LED120-4S/830		warm		
	DW10 BL1 FG GF		white		
	SRTB				
06005000	BGP502	58 x 71°	740	4000 K	70
	LED160-4S/740		neutral		
	DX10 FG GF D9		white		
	CLO H				
10570600	BGP501	45° x 54°	830	3000 K	70
	LED45-4S/740 II GF		warm		
	DM11 GR CO CLO		white		

Order Code	Full Product Name	Luminous Flux	Optic type outdoor
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
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	8,600 lm	Distribution medium 11
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
10570600	BGP501 LED45-4S/740 II GF DM11 GR CO CLO	3,784 lm	Distribution medium 11

Order Code	Full Product Name	Power Consumption
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	28 W
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	63 W
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	57 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
10570600	BGP501 LED45-4S/740 II GF DM11 GR CO CLO	26.5 W

Order Code	Full Product Name	Dimmable
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	No
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	No
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	No

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
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	Polycarbonate

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5,000 hours
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	0.5 %
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	0.5 %
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	0.5 %
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	0.5 %
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	0.5 %
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	0.5 %
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	0.5 %

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
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	BGP501

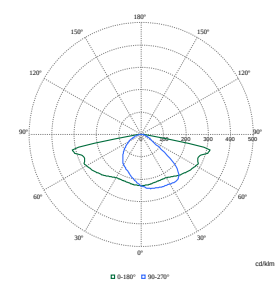
Order Code	Full Product Name	Dimmable
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	No
10570600	BGP501 LED45-4S/740 II GF DM11 GR CO CLO	Yes

Order Code	Full Product Name	Optical cover type
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	Glass
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	Glass
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	Glass
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	Glass
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	Glass
10570600	BGP501 LED45-4S/740 II GF DM11 GR CO CLO	Glass

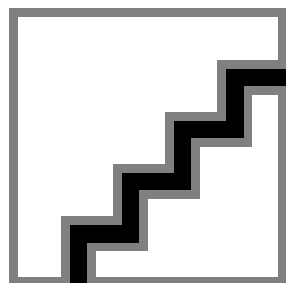
Order Code	Full Product Name	Driver failure rate at 5,000 hours
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	0.5 %
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	0.5 %
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	0.5 %
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	0.5 %
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	0.5 %
10570600	BGP501 LED45-4S/740 II GF DM11 GR CO CLO	-

Order Code	Full Product Name	Product family code
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	BGP502
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	BGP502
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	BGP502
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	BGP502
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	BGP502
10570600	BGP501 LED45-4S/740 II GF DM11 GR CO CLO	BGP501

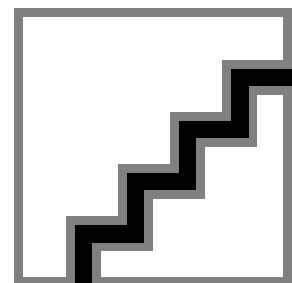
Polar Wide Diagrams



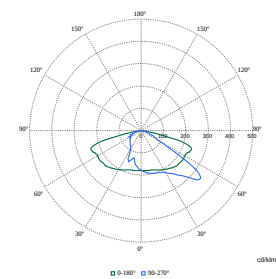
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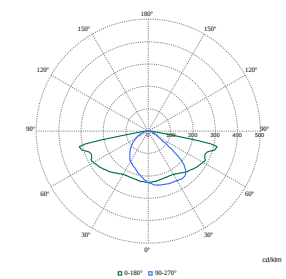
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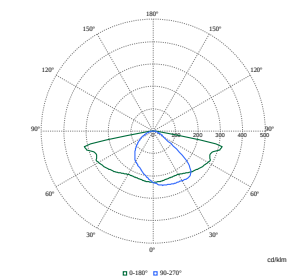
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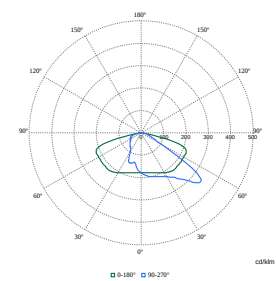
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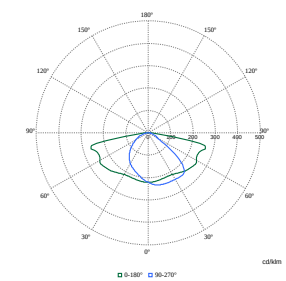
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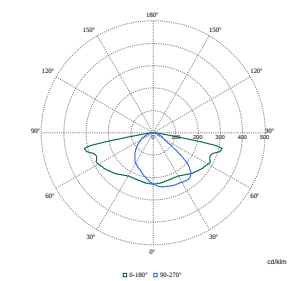
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