



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 optimized 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 the 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.

Iridium gen4

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 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) maintaining 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 option of different internal louvers

Application

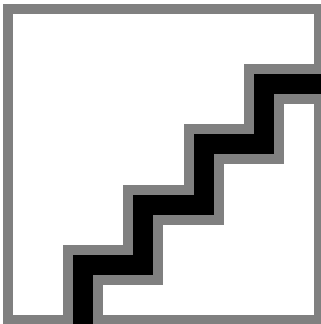
- Motorways, inter-urban main roads, boulevards and avenues, roundabouts, pedestrian crossings
- Residential streets, side streets, squares, parks, cycle and pedestrian paths, playgrounds
- Parking areas, industrial areas, petrol stations, rail yards, airports, harbors, waterways

Specifications

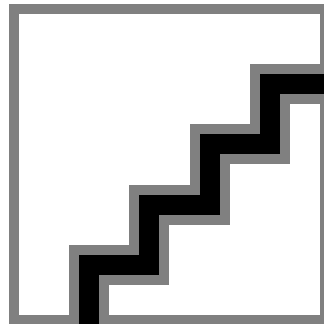
Driver failure rate at 5000 h in %	0.5 % 0.15% per 5000 hours
Initial correlated color temperature	3000 K, 4000 K CCT
Initial input power	13.2 W, 14.8 W, 16.8 W, 21 W, 21.5 W, 27.5 W, 28 W, 34 W, 54 W, 57 W, 63 W, 7.3 W, 8.9 W, 87 W, 89 W, 90 W, 98 W

Initial LED luminaire efficacy	102, 107, 110, 113, 123, 135, 136, 138, 143, 144, 145, 147, 151, 152, 155 lm/W Efficacy
Initial luminous flux	10080 lm, 10790 lm, 12245 lm, 12600 lm, 1584 lm, 1780 lm, 2430 lm, 2890 lm, 3150 lm, 3960 lm, 4050 lm, 4872 lm, 8352 lm, 8600 lm, 900 lm, 910 lm, 9570 lm

Versions



BGP501 Iridium gen4 Mini FG



BGP502 Iridium gen4 Medium FG

Application conditions

Maximum dim level	Not applicable
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Approval and application

Mech. impact protection code	IK10
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode

Controls and dimming

Dimmable	Yes
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General information

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

Light technical

Standard tilt angle side entry	0°
Standard tilt angle posttop	0°
Upward light output ratio	0

Mechanical and housing

Color	Gray
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Over time performance (IEC compliant)

Driver failure rate at 5000 h	0.5 %
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General information (1/2)

Order Code	Full Product Name	Luminaire light beam spread	Light source color	Optical cover/ lens type	Lamp family code
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	45° x 54°	740 neutral white	G	LED10-4S
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	45° x 54°	740 neutral white	G	LED20-4S
05988700	BGP501 LED27-4S/740 II DW10 FG GF SRTB S	34° x 62°	740 neutral white	G	LED27-4S
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	34° x 62°	740 neutral white	G	LED45-4S
05990000	BGP501 LED55-4S/740 DM11 FG GF SRTB SP	45° x 54°	740 neutral white	G	LED55-4S
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	13° x 60°	830 warm white	G	LED10-4S
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	5° x 57°	740 neutral white	G	LED55-4S
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	58 x 71°	740 neutral white	G	LED35-4S
05994800	BGP501 LED45-4S/740 II DW10 FG GF SRTB H	34° x 62°	740 neutral white	G	LED45-4S
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	38° x 56°	830 warm white	Polycarbonate	LED18-4S
05998600	BGP502 LED35-4S/740 DM11 FG GF SRTB SP	45° x 54°	740 neutral white	G	LED35-4S
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	45° x 54°	740 neutral white	G	LED45-4S
06000500	BGP502 LED95-4S/740 II DW10 FG GF SRTB S	34° x 62°	740 neutral white	G	LED95-4S
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	34° x 62°	740 neutral white	G	LED110-4S
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	45° x 54°	740 neutral white	G	LED100-4S
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	13° x 60°	830 warm white	G	LED120-4S
06004300	BGP502 LED150-4S/740 II DM11 BL2 FG GF S	5° x 57°	740 neutral white	G	LED150-4S
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	58 x 71°	740 neutral white	G	LED160-4S
06009800	BGP502 LED130-4S/830 II DM10 PCC TXT GF	38° x 56°	830 warm white	Polycarbonate	LED130-4S

General information (2/2)

Order Code	Full Product Name	Optic type	Product Family Code	Order Code	Full Product Name	Optic type	Product Family Code
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	Distribution medium 11	BGP501	05988700	BGP501 LED27-4S/740 II DW10 FG GF SRTB S	Distribution wide 10	BGP501
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	Distribution medium 11	BGP501	05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	Distribution wide 10	BGP501

Order Code	Full Product Name	Optic type	Product Family Code
05990000	BGP501 LED55-4S/740 DM11 FG GF SRTB SP	Distribution medium 11	BGP501
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	Distribution wide 10	BGP501
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	Distribution medium 11	BGP501
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	Distribution extra wide 10	BGP501
05994800	BGP501 LED45-4S/740 II DW10 FG GF SRTB H	Distribution wide 10	BGP501
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	Distribution medium 10	BGP501
05998600	BGP502 LED35-4S/740 DM11 FG GF SRTB SP	Distribution medium 11	BGP502
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	Distribution medium 11	BGP502

Order Code	Full Product Name	Optic type	Product Family Code
06000500	BGP502 LED95-4S/740 II DW10 FG GF SRTB S	Distribution wide 10	BGP502
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	Distribution wide 10	BGP502
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	Distribution medium 11	BGP502
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	Distribution wide 10	BGP502
06004300	BGP502 LED150-4S/740 II DM11 BL2 FG GF S	Distribution medium 11	BGP502
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	Distribution extra wide 10	BGP502
06009800	BGP502 LED130-4S/830 II DM10 PCC TXT GF	Distribution medium 10	BGP502

Initial performance (IEC compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
05986300	BGP501 LED10-4S/740 DM11 FG GF SRTB SP	4000 K	>70	900 lm
05987000	BGP501 LED20-4S/740 DM11 FG GF SRTB S05Z	4000 K	>70	1780 lm
05988700	BGP501 LED27-4S/740 II DW10 FG GF SRTB S	4000 K	>70	2430 lm
05989400	BGP501 LED45-4S/740 II DW10 FG GF SRTB S	4000 K	>70	3960 lm
05990000	BGP501 LED55-4S/740 DM11 FG GF SRTB SP	4000 K	>70	4872 lm
05991700	BGP501 LED10-4S/830 DW10 BL1 FG GF SRTB	3000 K	>80	910 lm
05992400	BGP501 LED55-4S/740 II DM11 BL2 FG GF SR	4000 K	>70	4872 lm
05993100	BGP501 LED35-4S/740 DX10 FG GF D9 CLO H0	4000 K	>70	2890 lm
05994800	BGP501 LED45-4S/740 II DW10 FG GF SRTB H	4000 K	>70	3960 lm
05997900	BGP501 LED18-4S/830 II DM10 PCC TXT GF	3000 K	>80	1584 lm

Order Code	Full Product Name	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial luminous flux
05998600	BGP502 LED35-4S/740 DM11 FG GF SRTB SP	4000 K	>70	3150 lm
05999300	BGP502 LED45-4S/740 DM11 FG GF SRTB S05Z	4000 K	>70	4050 lm
06000500	BGP502 LED95-4S/740 II DW10 FG GF SRTB S	4000 K	>70	8352 lm
06001200	BGP502 LED110-4S/740 II DW10 FG GF SRTB	4000 K	>70	9570 lm
06002900	BGP502 LED100-4S/740 DM11 FG GF SRTB SP	4000 K	>70	8600 lm
06003600	BGP502 LED120-4S/830 DW10 BL1 FG GF SRTB	3000 K	>80	10080 lm
06004300	BGP502 LED150-4S/740 II DM11 BL2 FG GF S	4000 K	>70	12600 lm
06005000	BGP502 LED160-4S/740 DX10 FG GF D9 CLO H	4000 K	>70	12245 lm
06009800	BGP502 LED130-4S/830 II DM10 PCC TXT GF	3000 K	>80	10790 lm

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