



Iridium gen4

BGP502 LED35-4S/740 DM11 FG GF SRTB SP

Iridium gen4 Medium, LED module, system flux 3500 lm, LED, 21.5 W, Power supply unit with DALI and SystemReady interface, Distribution medium 11, Glass, 45° x 54°, Internal (no external connection), Spigot for diameter 62 mm

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.

Product data

Iridium gen4

General Information	
Lamp family code	LED35-4S [LED module, system flux 3500 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	* At extreme ambient temperatures the luminaire might automatically dim down to protect components
Light source engine type	LED
Service tag	Yes
Product family code	BGP502 [Iridium gen4 Medium]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	3,150 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	147 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Optical cover type	Glass
Luminaire light beam spread	45° x 54°
Optic type outdoor	Distribution medium 11

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.3 ms
Power Consumption	21.5 W
Power Factor (Fraction)	0.96
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	21

Temperature

Ambient temperature range	-40 to +50 °C
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Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI and SystemReady interface

Control interface	Internal (no external connection)
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Gray
Mounting device	Spigot for diameter 62 mm
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	685 mm
Overall width	356 mm
Overall height	166 mm
Effective projected area	0.021 m²
Dimensions (Height x Width x Depth)	166 x 356 x 685 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 6 kV common mode
Sustainability rating	-
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	70
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
Control gear failure rate at median useful life 35000 h	1.75 %
Control gear failure rate at median useful life 50000 h	2.5 %
Control gear failure rate at median useful life 75000 h	3.75 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 35000 h	98
Lumen maintenance at median useful life* 50000 h	97
Lumen maintenance at median useful life* 75000 h	96

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Lumen maintenance at median useful life*	L97
100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Product Data	
Order product name	BGP502 LED35-4S/740 DM11 FG GF SRTB SP
Full product name	BGP502 LED35-4S/740 DM11 FG GF SRTB SP

Full product code	871951405998600
Order code	910925866566
Material Nr. (12NC)	910925866566
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514059986
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514059986



Dimensional drawing

