



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

Datasheet, 2023, November 12 data subject to change

Iridium gen4

General Information		Control interface
Lamp family code	LED35-4S [LED module, system flux 3500 lm]	Constant light output
Light source replaceable	Yes	Mechanical and Housing
Number of gear units	1 unit	Housing Material
Driver included	Yes	Reflector material
Remarks	* At extreme ambient temperatures the	Optic material
	luminaire might automatically dim down to	Optical cover material
	protect components	Fixation material
Light source engine type	LED	Housing Color
Service tag	Yes	
Product family code	BGP502 [Iridium gen4 Medium]	Mounting device
	LED	Optical cover shape
Lighting Technology		Optical cover finish
Value ladder	Specification	Overall length
CE mark	Yes	Overall width
Warranty period	5 years	Overall height
Flammability mark	For mounting on normally flammable	Effective projected area
	surfaces	Dimensions (Height x Width)
ENEC mark	ENEC plus mark	
EU RoHS compliant	Yes	Approval and Application
		Ingress protection code
Light Technical		
Upward light output ratio	0	Mech. impact protection code
Luminous Flux	3,150 lm	Surge Protection (Common/D
Standard tilt angle posttop	O°	
Standard tilt angle side entry	0°	Sustainability rating
Correlated Color Temperature (Nom)	4000 K	Protection class IEC
Luminous Efficacy (rated) (Nom)	147 lm/W	
Color rendering index (CRI)	>70	Initial Performance (IEC
Light source color	740 neutral white	Luminous flux tolerance
Optical cover type	Glass	Initial chromaticity
Luminaire light beam spread	45° x 54°	Power consumption tolerance
Optic type outdoor	Distribution medium 11	Init. Color Rendering Index To
	Distribution medium in	mit. Cotor Rendering maex re
Operating and Electrical		Over Time Performance (
nput Voltage	220 to 240 V	Driver failure rate at 5000 h
Line Frequency	50 to 60 Hz	Control gear failure rate at m
Inrush current	21 A	life 35000 h
Inrush time	0.3 ms	Control gear failure rate at m
Power Consumption	21.5 W	life 50000 h
Power Factor (Fraction)	0.96	Control gear failure rate at m
Connection	Connection unit 5-pole	life 75000 h
Cable		Control gear failure rate at m
Number of products on MCB of 16 A type E	3 21	life 100000 h
		Lumen maintenance at media
Temperature		35000 h
	-40 to +50 °C	Lumen maintenance at media
Ambient temperature range	-40 to +50 ℃	50000 h
Controls and Discosting		Lumen maintenance at media
Controls and Dimming		
Dimmable	Yes	75000 h
Driver/power unit/transformer	Power supply unit with DALI and	

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

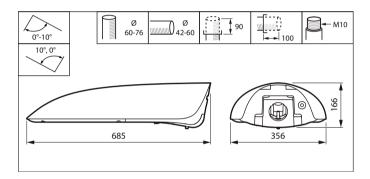
Iridium gen4

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
	CD

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





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