



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

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.

## 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

## Applications

- 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

## Versions

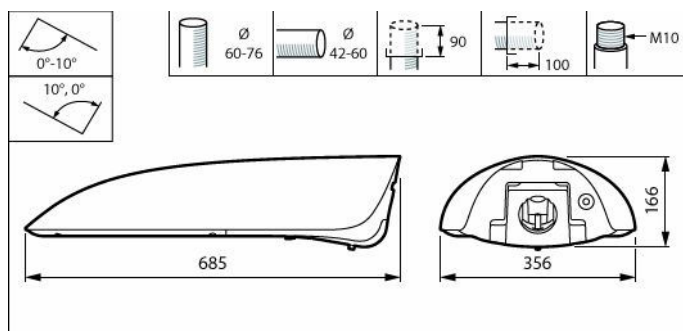


BGP502 Iridium gen4  
Medium FG n

## 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

## Dimensional drawing



Iridium gen4 Medium dimensions

## Product details



BGP502 Iridium gen4  
Medium Open2

### General Information

Lamp family code	LED100-4S [LED module, system flux 10000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes

### Light Technical

Upward light output ratio	0
Luminous Flux	8,600 lm
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	70
Light source color	740 neutral white
Luminaire light beam spread	45° x 54°
Optic type outdoor	Distribution medium 11

### Operating and Electrical

Power Consumption	57 W
Surge Protection (Common/Differential)	Surge protection level until 6 kV differential mode and 6 kV common mode

### Controls and Dimming

Dimmable	No
Maximum dim level	Not applicable

## Mechanical and Housing

Housing Color	Gray
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Optical cover type	Glass

## Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes

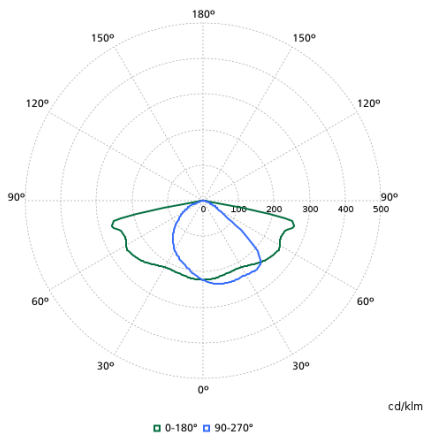
## Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.5 %
-------------------------------	-------

## Product Data

Product family code	BGP502 [IRIDIUM GEN4 MEDIUM]
---------------------	------------------------------

## Polar normal diagrams



BGP502I - 910925866570