



Iridium gen3 – The connected intelligent ‘plug & play’ road luminaire

Iridium gen3 LED Mini

Iridium gen3 is the first truly intelligent luminaire designed for seamless connectivity. No hassle in commissioning – just install the luminaire and control it from a distance through CityTouch management software. Remote light management made easy! The new ‘plug & play’ concept has been designed to ensure safe and easy installation in just three steps: 1. Install the spigot, 2. Plug in the mains, 3. Tilt and close the luminaire. The luminaire’s high efficiency at system level ensures significant energy savings compared to existing conventional installations, offering a fast payback. Thanks to its wide choice of lumen packages, optics and color temperatures, Iridium gen3 fits most applications in residential areas. The luminaire’s neo-classical design guarantees a consistent look and feel for your surroundings.

Benefits

Features

Application

Specifications

Type	BGP381
Light source	Integral LED-module
Power	9 to 36 W depending on LED configuration
Luminous flux	1020 to 4021 lm
Luminaire efficacy	100 to 126 lm/W

Correlated Color	3000 K (warm white)
Temperature	4000 K (neutral white)
Color Rendering Index	≥ 80 (warm white) ≥ 70 (neutral white)
Useful life - L80B10	100,000 hours

Iridium gen3 LED Mini

Operating temperature range	-30 to +35 °C	Optic	Medium wide street optic (MSO), wide street optic (WSO), road wet optic (DK)
Driver	Built-in (self ballasted LED-module)	Material	Housing: high pressure die-cast aluminum Cover: polycarbonate, flat
Mains voltage	220-240 V / 50-60 Hz	Color	Aluminum or grey Other RAL or AKZO colors available on request
Dimming	Dimmable versions available	Connection	Push-in connector with 3 poles
Controls system input	1-10 V and DALI	Maintenance	Possibility to open with screw to replace driver and LED module
Options	<ul style="list-style-type: none"> Dimming - LumiStep 6, 8 hrs - DynaDimmer - Constant Light Output (CLO) - SDU - 1-10 V - DALI - RF regulation - Mains dimming Nema socket Photocell: mini cell 35, 55, 75 Lux Fuse Cable: 3, 4, 5, 6 m Surge protection 	Installation	Post top: 60 or 76 mm Side entry: 42 or 60 mm Recommended mounting height: 4 m Standard tilt angle post top: 0, 5 and 10° Adjustable tilt angle: 0, -5 and -10°

Versions



Iridium gen3 Mini BGP381 road-lighting luminaire

Product details



Separate spigot for easy installation; suitable for post-top and side-entry mounting



In the case of side-entry mounting, the bubble level ensures that the luminaire is installed horizontally

Iridium gen3 LED Mini

Product details



IP connector for easy cabling
between mains and luminaire



High-transmission, color-
stabilized optical plate for
optimized distribution and light
output ratio

Application Conditions

Maximum dim level Not applicable

Approval and Application

Mech. impact protection code IK09

Surge Protection (Common/
Differential) 4/4 kV

Controls and Dimming

Dimmable No

General Information

Luminaire light beam spread 152°

CE mark CE mark

Parts colour Cover painted

Coating -

Optical cover/lens type PC

Driver included Yes

Flammability mark NO

Gear EB

Glow-wire test 650/5

Light source replaceable Yes

Number of gear units 1 unit

Number of light sources 1

Optic type Medium wide
street optic

Product Family Code BGP381

UL mark -

Light Technical

Standard tilt angle side entry 0°

Standard tilt angle posttop 0°

Upward light output ratio 0

Mechanical and Housing

Colour Gray

Operating and Electrical

Order Code	Full Product Name	Driver current
90803600	BGP381 GRN11/740 I MSO CO GR SP	300 mA
90804300	BGP381 GRN11/830 I MSO CO GR SP	335 mA
90805000	BGP381 GRN13/740 I MSO CO GR SP	370 mA
90806700	BGP381 GRN13/830 I MSO CO GR SP	410 mA
90807400	BGP381 GRN15/740 I MSO CO GR SP	440 mA
90808100	BGP381 GRN15/830 I MSO CO GR SP	480 mA
90809800	BGP381 GRN17/740 I MSO CO GR SP	510 mA
90811100	BGP381 GRN19/740 I MSO CO GR SP	260 mA
90814200	BGP381 GRN20/830 I MSO CO GR SP	670 mA
90815900	BGP381 GRN22/740 I MSO CO GR SP	300 mA
90816600	BGP381 GRN25/830 I MSO CO GR SP	390 mA
90817300	BGP381 GRN25/740 I MSO CO GR SP	350 mA
90818000	BGP381 GRN30/830 I MSO CO GR SP	480 mA
90819700	BGP381 GRN30/740 I MSO CO GR SP	440 mA
90820300	BGP381 GRN35/830 I MSO CO GR SP	580 mA
90821000	BGP381 GRN35/740 I MSO CO GR SP	520 mA
90822700	BGP381 GRN40/830 I MSO CO GR SP	670 mA
90823400	BGP381 GRN40/740 I MSO CO GR SP	610 mA
90824100	BGP381 GRN45/740 I MSO CO GR SP	690 mA
90825800	BGP381 GRN11/740 II MSO CO GR SP	300 mA
90827200	BGP381 GRN13/740 II MSO CO GR SP	370 mA
90829600	BGP381 GRN15/740 II MSO CO GR SP	440 mA
90833300	BGP381 GRN19/740 II MSO CO GR SP	260 mA
90835700	BGP381 GRN20/740 II MSO CO GR SP	610 mA
90836400	BGP381 GRN20/830 II MSO CO GR SP	670 mA
90837100	BGP381 GRN22/740 II MSO CO GR SP	300 mA
90838800	BGP381 GRN25/830 II MSO CO GR SP	390 mA
90839500	BGP381 GRN25/740 II MSO CO GR SP	350 mA
90841800	BGP381 GRN30/740 II MSO CO GR SP	440 mA
90843200	BGP381 GRN35/740 II MSO CO GR SP	520 mA
90845600	BGP381 GRN40/740 II MSO CO GR SP	610 mA
90846300	BGP381 GRN45/740 II MSO CO GR SP	690 mA

General Information

Iridium gen3 LED Mini

Order Code	Full Product Name	Light source colour	Lamp family code
90803600	BGP381 GRN11/740 I MSO CO GR SP	740 neutral white	GRN11
90804300	BGP381 GRN11/830 I MSO CO GR SP	830 warm white	GRN11
90805000	BGP381 GRN13/740 I MSO CO GR SP	740 neutral white	GRN13
90806700	BGP381 GRN13/830 I MSO CO GR SP	830 warm white	GRN13
90807400	BGP381 GRN15/740 I MSO CO GR SP	740 neutral white	GRN15
90808100	BGP381 GRN15/830 I MSO CO GR SP	830 warm white	GRN15
90809800	BGP381 GRN17/740 I MSO CO GR SP	740 neutral white	GRN17
90811100	BGP381 GRN19/740 I MSO CO GR SP	740 neutral white	GRN19
90814200	BGP381 GRN20/830 I MSO CO GR SP	830 warm white	GRN20
90815900	BGP381 GRN22/740 I MSO CO GR SP	740 neutral white	GRN22
90816600	BGP381 GRN25/830 I MSO CO GR SP	830 warm white	GRN25
90817300	BGP381 GRN25/740 I MSO CO GR SP	740 neutral white	GRN25
90818000	BGP381 GRN30/830 I MSO CO GR SP	830 warm white	GRN30
90819700	BGP381 GRN30/740 I MSO CO GR SP	740 neutral white	GRN30
90820300	BGP381 GRN35/830 I MSO CO GR SP	830 warm white	GRN35
90821000	BGP381 GRN35/740 I MSO CO GR SP	740 neutral white	GRN35

Order Code	Full Product Name	Light source colour	Lamp family code
90822700	BGP381 GRN40/830 I MSO CO GR SP	830 warm white	GRN40
90823400	BGP381 GRN40/740 I MSO CO GR SP	740 neutral white	GRN40
90824100	BGP381 GRN45/740 I MSO CO GR SP	740 neutral white	GRN45
90825800	BGP381 GRN11/740 II MSO CO GR SP	740 neutral white	GRN11
90827200	BGP381 GRN13/740 II MSO CO GR SP	740 neutral white	GRN13
90829600	BGP381 GRN15/740 II MSO CO GR SP	740 neutral white	GRN15
90833300	BGP381 GRN19/740 II MSO CO GR SP	740 neutral white	GRN19
90835700	BGP381 GRN20/740 II MSO CO GR SP	740 neutral white	GRN20
90836400	BGP381 GRN20/830 II MSO CO GR SP	830 warm white	GRN20
90837100	BGP381 GRN22/740 II MSO CO GR SP	740 neutral white	GRN22
90838800	BGP381 GRN25/830 II MSO CO GR SP	830 warm white	GRN25
90839500	BGP381 GRN25/740 II MSO CO GR SP	740 neutral white	GRN25
90841800	BGP381 GRN30/740 II MSO CO GR SP	740 neutral white	GRN30
90843200	BGP381 GRN35/740 II MSO CO GR SP	740 neutral white	GRN35
90845600	BGP381 GRN40/740 II MSO CO GR SP	740 neutral white	GRN40
90846300	BGP381 GRN45/740 II MSO CO GR SP	740 neutral white	GRN45

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
90803600	BGP381 GRN11/740 I MSO CO GR SP	4000 K	70	1045 lm
90804300	BGP381 GRN11/830 I MSO CO GR SP	3000 K	80	1045 lm
90805000	BGP381 GRN13/740 I MSO CO GR SP	4000 K	70	1235 lm
90806700	BGP381 GRN13/830 I MSO CO GR SP	3000 K	80	1235 lm
90807400	BGP381 GRN15/740 I MSO CO GR SP	4000 K	70	1425 lm
90808100	BGP381 GRN15/830 I MSO CO GR SP	3000 K	80	1425 lm
90809800	BGP381 GRN17/740 I MSO CO GR SP	4000 K	70	1615 lm
90811100	BGP381 GRN19/740 I MSO CO GR SP	4000 K	70	1805 lm
90814200	BGP381 GRN20/830 I MSO CO GR SP	3000 K	80	1880 lm
90815900	BGP381 GRN22/740 I MSO CO GR SP	4000 K	70	2090 lm
90816600	BGP381 GRN25/830 I MSO CO GR SP	3000 K	80	2350 lm
90817300	BGP381 GRN25/740 I MSO CO GR SP	4000 K	70	2375 lm
90818000	BGP381 GRN30/830 I MSO CO GR SP	3000 K	80	2790 lm
90819700	BGP381 GRN30/740 I MSO CO GR SP	4000 K	70	2820 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
90820300	BGP381 GRN35/830 I MSO CO GR SP	3000 K	80	3255 lm
90821000	BGP381 GRN35/740 I MSO CO GR SP	4000 K	70	3290 lm
90822700	BGP381 GRN40/830 I MSO CO GR SP	3000 K	80	3680 lm
90823400	BGP381 GRN40/740 I MSO CO GR SP	4000 K	70	3760 lm
90824100	BGP381 GRN45/740 I MSO CO GR SP	4000 K	70	4230 lm
90825800	BGP381 GRN11/740 II MSO CO GR SP	4000 K	70	1045 lm
90827200	BGP381 GRN13/740 II MSO CO GR SP	4000 K	70	1235 lm
90829600	BGP381 GRN15/740 II MSO CO GR SP	4000 K	70	1425 lm
90833300	BGP381 GRN19/740 II MSO CO GR SP	4000 K	70	1805 lm
90835700	BGP381 GRN20/740 II MSO CO GR SP	4000 K	70	1900 lm
90836400	BGP381 GRN20/830 II MSO CO GR SP	3000 K	80	1880 lm
90837100	BGP381 GRN22/740 II MSO CO GR SP	4000 K	70	2090 lm
90838800	BGP381 GRN25/830 II MSO CO GR SP	3000 K	80	2350 lm
90839500	BGP381 GRN25/740 II MSO CO GR SP	4000 K	70	2375 lm

Iridium gen3 LED Mini

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
90841800	BGP381 GRN30/740 II MSO CO GR SP	4000 K	70	2820 lm
90843200	BGP381 GRN35/740 II MSO CO GR SP	4000 K	70	3290 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial luminous flux
90845600	BGP381 GRN40/740 II MSO CO GR SP	4000 K	70	3760 lm
90846300	BGP381 GRN45/740 II MSO CO GR SP	4000 K	70	4230 lm

