



Iridium LED Mini – compact performer

Iridium LED Mini

The second generation of compact Mini Iridium LED road-lighting luminaires offers a much wider scope of application thanks to a more powerful LED engine and brand new optics, which allow maximum energy savings in residential streets. Additional control devices can be fitted into the mast and communicate with the luminaire to further increase energy savings. This new generation of Mini Iridium LED also gives municipal authorities the freedom to change the atmosphere of the street thanks to the choice of different color temperatures (warm, neutral and cool white).

Benefits

- Future-proof luminaire: easy to maintain
- LED upgrade
- Best total cost of ownership
- Equipped with Service tag, a QR-based identification system that makes each luminaire uniquely identifiable and provides maintenance, installation and spare part information

Features

- Powerful LED engine
- Choice of tones of white light
- Best-in-class optics
- Mast-mounted controls (optional)

Application

- Streets: mixed traffic and residential streets
- Walking/cycling paths, car parks

Specifications

Type	BGS451	Light source	Integral LED-module
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Power	GreenLine (GRN): 20 to 29 W depending on LED configuration EconomyLine (ECO): 29 to 41 W depending on LED configuration
Luminous flux	GreenLine: 1328 to 2527 lm EconomyLine: 1856 to 3483 lm
Luminaire efficacy	Up to 90 lm/W
Correlated Color	Warm white: 3000 K
Temperature	Neutral white: 4000 K Cool white: 5700 K
Color Rendering Index	Warm white: ≥ 84 Neutral white: ≥ 76 Cool white: ≥ 68
Lumen maintenance at median useful life* 100000 h	GreenLine: min L80
Lumen maintenance at median useful life* 75000 h	EconomyLine: min L80
Control gear failure rate at median useful life 100000 h	GreenLine: 10%

Specifications

Optic	Medium street optic (MSO), wide street optic (WSO), narrow street optic (NSO), low pole optic (LPO)
Optical element	PMMA lenses
Material	Housing: die-cast aluminum Gasket: silicone rubber, heat-resistant Cover: polycarbonate, frosted with clear lenses Heat sink (internal): high-pressure die-cast aluminum, non-corrosive
Color	Grey, RAL7035 Other RAL or AKZO colors available on request
Connection	Multiblock connector
Maintenance	Easy maintenance / LED module upgradeable

Versions



Iridium LED Mini BGS451 road-lighting luminaire

Control gear failure rate at median useful life 75000 h	EconomyLine: 7.5%
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	-25 to +35 °C
Driver	Built-in (self ballasted LED-module)
Mains voltage	220-240 V / 50-60 Hz
Dimming	CLO (Constant Light Output) Lumistep Mains dimming
Controls system input	1-10 V
Options	Dimming: Lumistep 6, 8 hrs Dynadimmer Constant Light Output (CLO) SDU 1-10 V RF Antenna Mains dimming

Installation	Post-top mounting: axial entry Ø 60-76 mm Side-entry mounting: lateral entry Ø 34-48 mm Recommended mounting height: 3.5-6 m Standard tilt angle post top: 10° Max SCx: 0.032 m²
Accessories	Adaptor ZGS451 for 60 mm brackets Wall-mounting bracket Dedicated mast and wall brackets available for different mounting possibilities
Remarks	Iridium LED fits perfectly residential street applications thanks to high efficiency LED module and optics dedicated to it

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Product details



OPDP_BGS451i_0001-Detail
photo

