



# 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
- Excellent total cost of ownership

### Features

- LED engine
- Choice of colour temperature
- Compact design
- Additional energy savings thanks to control options

### Application

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

### Specifications

Type	BGS451
Light source	Integral LED-module
	Life LED module
Power	From 20 to 41 W

Luminous flux	Warm white: from 1328 to 2680 lm
(luminaire level)	Neutral white: from 1620 to 3269 lm
	Cool white: from 1726 to 3483 lm
Luminaire efficacy	From 64 to 90 lm/W, depending on configuration

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<b>Correlated Color</b>	Warm white: 3000 K
<b>Temperature</b>	Neutral white: 4000 K
	Cool white: 5700 K
<b>Color Rendering Index</b>	Warm white: $\geq 84$
	Neutral white: $\geq 76$
	Cool white: $\geq 68$
<b>Maintenance of lumen output - L90</b>	Greenline: 60,000 hours
	EconomyLine: 50,000 hours
<b>Maintenance of lumen output - L70</b>	GreenLine: 100,000 hours
	EconomyLine: 100,000 hours
<b>Maintenance of lumen output - L50</b>	GreenLine: 100,000 hours
	EconomyLine: 100,000 hours

## Specifications

<b>Optic</b>	Medium Street Optic (MSO)
	Wide Street Optic (WSO)
<b>Optical element</b>	PMMA lenses
<b>Material</b>	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
<b>Color</b>	Grey, RAL7035
	Other RAL or AKZO colors available on request
<b>Connection</b>	Multiblock connector
<b>Maintenance</b>	Easy maintenance / LED module upgradeable

## Versions



Iridium LED Mini BGS451

<b>Driver failure rate</b>	0,5% per 5000 hours
<b>Operating temperature range</b>	-25 to +35°C
<b>Driver</b>	Integrated
<b>Mains voltage</b>	220-240 V / 50-60 Hz
<b>Dimming</b>	CLO (Constant Light Output)
	Lumistep
	Mains dimming
<b>Controls system input</b>	1-10 V
<b>Options</b>	Photocell: Minicell: 35 / 55 / 70 lux

<b>Installation</b>	Post-top mounting: axial entry Ø 60 - 76 mm
	Side-entry mounting: lateral entry Ø 34 - 48 mm
	Operating temperature: - 25°C < T
	Recommended mounting height: 3.5 - 6 m
<b>Accessories</b>	Standard tilt angle post top: 10° Max SCx: 0.032 m²
	Adaptor ZGS451 for 60 mm brackets
	Wall-mounting bracket
	Dedicated mast and wall brackets available for different mounting possibilities
<b>Remarks</b>	Iridium LED fits perfectly residential street applications thanks to high efficiency LED module and optics dedicated to it

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### Product details

