



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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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
Maintenance of lumen output - L90	Greenline: 60,000 hours EconomyLine: 50,000 hours
Maintenance of lumen output - L70	GreenLine: 100,000 hours EconomyLine: 100,000 hours
Maintenance of lumen output - L50	GreenLine: 100,000 hours EconomyLine: 100,000 hours

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

Specifications

Optic	Medium Street Optic (MSO) Wide Street Optic (WSO)
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

Installation	Post-top mounting: axial entry \varnothing 60 - 76 mm Side-entry mounting: lateral entry \varnothing 34 - 48 mm Operating temperature: $-25^{\circ}\text{C} < T$ Recommended mounting height: 3.5 - 6 m Standard tilt angle post top: 10° Max SCx: 0.032 m ²
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

Versions



Iridium LED Mini BGS451

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Product details

