



Iridium² – lighting the road ahead

Iridium² Medium

Iridium² is a family of road lighting luminaires designed for performance and sustainability. Depending on the application and budget, customers can start with LED, electronic HID or a mix of both technologies with the same luminaire. Whatever the initial choice, Iridium²'s modularity allows customers to upgrade their installations (LED to LED or e-HID to LED) whenever they want, simply by changing the light engine. The integration of LEDGINE, brand new HID optics, electronic gear and controls is a response to the growing demand for energy savings. The new Iridium² HID optics are designed to deliver best-in-class lighting performance while offering tremendous flexibility in application. All these features, combined with Iridium²'s ease of installation and maintenance, ensure that customers enjoy low cost of ownership.

Benefits

- Future-proof luminaire: maintenance very easy; no tools required for LED upgrade
- Highly efficient lighting platform; no compromise on lighting quality thanks to flat glass
- Full flexibility to cover all applications, with choice of price and technology

Features

- LEDGINE inside
- Best-in-class optics
- Electronic gear (Philips Xtreme gear)
- Integrated controls

Application

- Roads: highways and motorized traffic within and between cities
- Streets: mixed traffic and residential streets
- Walking/cycling paths, car parks, roundabouts

Specifications

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Type	SGP352
Light source	HID: - MASTER CosmoWhite CPO-TW / PGZ12 / 60, 90, 140 W - MASTER SON-T PIA Plus / E27 / 50, 70 W - MASTER SON-T PIA Plus / E40 / 100, 150 W - MASTER CityWhite CDO-TT / E40 / 100, 150 W
Ballast	Electronic, High Frequency 220 - 240 V / 50 - 60 Hz: - Electronic (EB)
Mains voltage	220-240 V / 50-60 Hz
Optic	Flexible optic 1 (FX1) for Cosmopolis lamps Flexible optic 2 (FX2) for Cosmopolis lamps Flexible optic 1 (FX1) for SON lamps Flexible optic 2 (FX2) for SON lamps
Optical cover	Flat glass (FG) Flat glass with DynaClean coating (FGD) Flat glass, extra clear
Options	Light regulation: - Stand alone dimming via Lumistep - Stand alone dimming via programmable Lumistep - Lineswitch via Pilot Line - Mains Dimming - Light Level Adjustment - External dimming DALI - Dimming via Telemanagement DALI - Dimming via Telemanagement RF Photocell: NEMA socket, Minicell Fuses Pre-cabled luminaire

Materials and finishing	Housing: die-cast aluminium High-reflective optics (assembled optics) Glass: extra-white tempered, 5 mm thick
Colour	RAL7035 or silver grey (like RAL 9006) as standard Other RAL or AKZO colours available on request
Installation	Post-top mounting: axial entry Ø 60 - 76 mm Side-entry mounting: lateral entry Ø 48 - 60 mm Operating temperature: - 25°C < T Recommended mounting height: 5 to 10 m Standard tilt angle post top: 0 and 5° Adjustable tilt angle: 0 and 5°
Accessories	Back louver ZGP352
Remarks	Philips Xtreme gear inside with below specifications: - Lifetime: 80,000 hours - Ambient temperature: -30 to +50°C - Lightning protection up to 10 kV

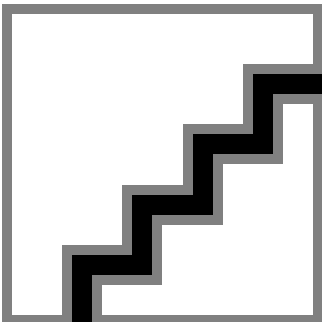
Versions



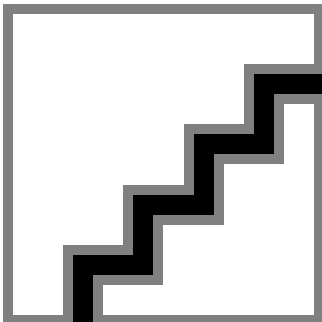
Iridium² e-HID SGP352 road-
lighting luminaire

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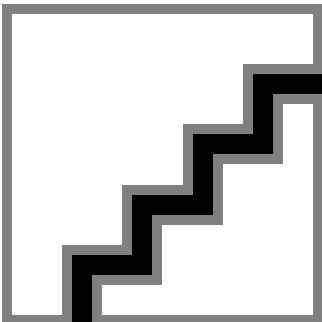
Product details



OPDP_SGP352i_0011-Detail photo



OPDP_SGP352i_0013-Detail photo

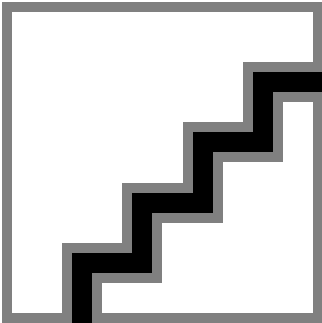


OPDP_SGP352i_0015-Detail photo

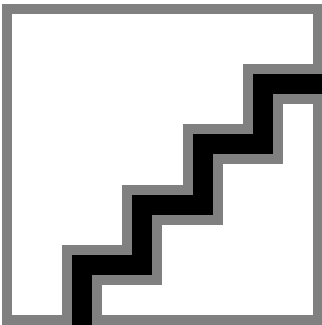


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Product details



OPDP_SGP352i_0019-Detail photo



OPDP_SGP352i_0023-Detail photo



General Information

Parts color	All parts colored
Coating	-
Product Family Code	SGP352

Mechanical and Housing

Color	Gray
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General Information

Order Code	Full Product Name	Colored frame	Optical cover/lens type	Gear	Lamp family code	Lamp power	Optic type
910403998812	SGP352 CPO-TW60W K EB FX1 AL GR	-	Flat glass	EB	CPO-TW	60 W	Flexible distribution version 1
910403999312	SGP352 CPO-TW60W K EB II FX1 AL GR	-	Flat glass	EB	CPO-TW	60 W	Flexible distribution version 1
910403999412	SGP352 CPO-TW90W K EB FX1 AL GR	-	Flat glass	EB	CPO-TW	90 W	Flexible distribution version 1
910403999812	SGP352 CPO-TW90W K II FX1 FG AL GR	-	Flat glass	-	CPO-TW	90 W	Flexible distribution version 1
910404100012	SGP352 CPO-TW140W K EB FX1 AL GR	-	-	EB	CPO-TW	140 W	Flexible distribution version 1

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910404100412	SGP352 CPO-TW140W K EB II FG AL GR	-	Flat glass	EB	CPO-TW	140 W	-
910404100512	SGP352 SON-TPP70W K EB FX1 AL GR	-	-	EB	SON-TPP	70 W	Flexible distribution version 1
910404101012	SGP352 SON-TPP70W K EB II FX1 AL GR	-	-	EB	SON-TPP	70 W	Flexible distribution version 1
910404101212	SGP352 SON-TPP100W K EB FX1 AL GR	-	-	EB	SON-TPP	100 W	Flexible distribution version 1
910404101612	SGP352 SON-TPP100W K EB II FX1 AL GR	-	-	EB	SON-TPP	100 W	Flexible distribution version 1
910404102112	SGP352 SON-TPP150W K EB II FX2 AL GR	-	-	EB	SON-TPP	150 W	Flexible distribution version 2
910404102212	SGP352 CPO-TW60W K EB II FX2 AL GR	-	-	EB	CPO-TW	60 W	Flexible distribution version 2
910404102312	SGP352 CPO-TW90W K II FX2 AL GR	-	-	EB	CPO-TW	90 W	Flexible distribution version 2
910404102412	SGP352 CPO-TW140W K II FX2 AL GR	-	-	EB	CPO-TW	140 W	Flexible distribution version 2
910404102512	SGP352 SON-TPP70W K II FX2 AL GR	-	-	EB	SON-TPP	70 W	Flexible distribution version 2
910404102612	SGP352 SON-TPP100W K II FX2 AL GR	-	-	EB	SON-TPP	100 W	Flexible distribution version 2
910404102712	SGP352 SON-TPP150W K II FX1 AL GR	-	-	EB	SON-TPP	150 W	Flexible distribution version 1
910404104712	SGP352 SON-TPP70W EB FX1 AL GR	-	Flat glass	EB	SON-TPP	70 W	Flexible distribution version 1
910404104912	SGP352 SON-TPP150W K FX1 FG AL GR	-	Flat glass	EB	SON-TPP	150 W	Flexible distribution version 1
910404107612	SGP352 CPO-TW45W K II FX1 FGD AL GR D11	-	Glass flat with DynaClean coating	-	CPO-TW	45 W	Flexible distribution version 1

