



Iridium² – Future proof lighting performance

Iridium² Large

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: easy maintenance; 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

Features

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

Application

- Roads: highways and motorised traffic routes
- Streets: mixed traffic and residential streets
- Walking/Cycle paths

Specifications

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Type	SGP353
Light source	HID: - MASTER SON-T PIA Plus / E40 / 150, 250 W - MASTER CDM-T MW Elite / E40 / 210 W - MASTER CityWhite CDO-TT / E40 / 150, 250 W
Ballast	Electronic, High Frequency 220 - 240 V / 50 - 60 Hz: - Electronic (EB)
Optic	Medium Street optic (MSO) for Cosmopolis lamps Medium Street optic (MSO) for SON lamps Wide Street optic (WSO) 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 Dynadimmer - Dimming via SDU - External dimming 1-10 V - External dimming DALI - Dimming via Telemanagement 1-10 V - 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 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: 8 to 15 m Standard tilt angle post top: 0 and 5° Adjustable tilt angle: 0 and 5°
Accessories	Back louver ZGP353
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



Product details



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General Information

Coloured frame	-
Parts colour	All parts colored
Coating	-
Gear	EB
Lamp family code	SON-TPP
Optic type	Flexible distribution version 1
Product Family Code	SGP353

Mechanical and Housing

Colour	Grey
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General Information

Order Code	Full Product Name	Optical cover/lens type	Lamp power
42541000	SGP353 SON-TPP150W K EB FX1 AL GR	-	150 W
42543400	SGP353 SON-TPP150W K EB FX1 AL GR P1	-	150 W
42544100	SGP353 SON-TPP150W K EB FX1 AL GR P3-70	FG	150 W
42552600	SGP353 SON-TPP250W K EB FX1 AL GR	-	250 W
42554000	SGP353 SON-TPP250W K EB FX1 AL GR P1	-	250 W
42555700	SGP353 SON-TPP250W K EB FX1 AL GR P3-70	-	250 W

