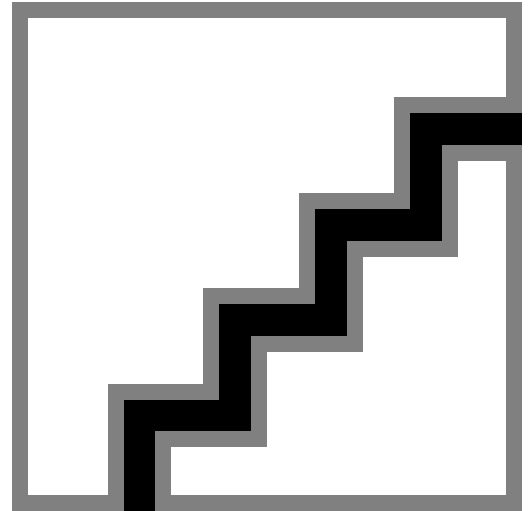




Arc – complete multi-functional road lighting range in a timeless design

Arc

With its streamlined shape, Arc has been specially designed to create a distinctive, modern and functional luminaire range that is suitable for both standard renovation applications and new area developments. Rather than forming an obtrusive presence, it harmonizes with its architectural surroundings. Arc's attractive price/performance ratio makes it highly suitable for large-scale use.

Benefits

- Versatile road lighting luminaire offering modern styling and quality lighting for safe, comfortable driving
- Optical system delivers good beam control and light output, with optimum illuminance and good uniformity
- Elegant design

Features

- Superior optics
- Dimming and telemanagement capability
- Fully recyclable; only the light source and driver have to be recycled separately
- Contemporary styling

Application

- Road and streets
- Highways

Specifications

Type	SGP618 (Arc 80 version) SGP619 (Arc 90 version)
Light source	Compact fluorescent: - 1 x MASTER PL-T 4 Pin /GX24q-3, 4 or 5/ 26, 32, 42, 57 W HID: - 1 x SON-T /E27, E40/ 50, 70, 100, 150, 250, 400 W - 1 x Master CityWhite CDO-TT /E27/ 50, 70, 100, 150 W - 1 x Master Colour CDM-T /G12/ 35, 70, 150 W - 1 x Master CosmoWhite CPO-TW /PGZ12/ 45, 60, 90, 140 W - 1 x SON-T PIA Plus /E27, E40/ 50, 70, 100, 150, 250, 400 W
Ballast (integrated)	Electronic, High Frequency 220-240 V / 50-60 Hz: - Electronic (EB) - High Frequency Performer (HFP) Electro magnetic (low loss), 230 or 240 V / 50 Hz
Mains voltage	220-240 V / 50-60 Hz
Ignitor	Digital serial (SUD)
Optic	Symmetrical (S) Exact Comfort (XTC) Exact Performer (XTP) Wide beam (WB) Distribution pedestrian crossing left (DP-L) Distribution pedestrian crossing right (DP-R)
Optical cover	Thermally hardened glass, flat (FG) Polycarbonate, bowl (PC)
Options	Dimming via external communication 1-10 V DC Dimming via external communication DALI DynaDimmer with fixed presets NEMA socket or Minicell Knife-connector Fuse Filter coil

Materials and finishing	Housing: high pressure die-cast aluminium Bowl: glass or polycarbonate, translucent Gasket: silicone rubber Reflectors: anodized aluminium
Color	Frame, canopy, spigot, spigot adapter and tilt adapter: gray aluminium, powder coated standard (RAL 9007) Other RAL colors available on request
Installation	Universal spigot for: - Post-top mounting Ø 60-76 mm (without adapter; spigot adapter to 60 mm optional) - Side-entry mounting Ø 60 mm (without adapter) - Side-entry mounting Ø 32, 42, 48 mm (with adapter) Operating temperature: -20 °C < Ta< 35 °C Recommended mounting height: 4-12 m Standard tilt angle post top: 5° Adjustable tilt angle: -10 to +10° Max SCx: - Arc 80: 0.122 m² (polycarbonate bowl); 0.115 m² (curved glass bowl); 0.104 m² (flat glass bowl) - Arc 90: 0.140 m² (curved glass bowl); 0.126 m² (flat glass bowl)
Maintenance	Tool-less opening from above, and disconnection of plug and socket

Versions



Approval and Application	
Mech. impact protection code	IK08
General Information	
CE mark	CE mark
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	Yes
Number of gear units	1 unit
Number of light sources	1 pc
Optic type	Symmetrical
Light Technical	
Standard tilt angle posttop	0°

Controls and Dimming

Order Code	Full Product Name	Dimmable
912300022871	SGP618 SON-TPP70W S CUR AL ALU 60/76	Yes
912300022872	SGP618 SON-TPP100W S CUR AL ALU KC 60/76	Yes
912300022882	SGP618 PL-T/4P32W S CUR AL ALU KC 60/76	Yes
912300023042	SGP618 SON-TPP100W ELT II S CUR 7035 KC	Yes
912300023043	SGP618 SON-TPP100W ELT II S CUR ALU KC	Yes
912300023044	SGP618 SON-TPP150W II S CUR 7035 KC 32/4	Yes
912300023046	SGP618 SON-TPP70W ELT II S CUR 7035 KC 3	Yes
912300023052	SGP618 SON-TPP70W ELT II S 7035 KC 32/48	Yes
912300023054	SGP619 SON-TPP100W ELT II S CUR 7035	-
912300023056	SGP619 SON-TPP150W ELT II S CUR ALU KC	-
912300023057	SGP619 SON-TPP250W ELT II S CUR 7035	-
912300023059	SGP619 SON-TPP400W ELT II S CUR 7035	-

General Information (1/2)

Order Code	Full Product Name	Driver		Gear	
		Cap-Base	included	Gear	brand
912300022871	SGP618 SON-TPP70W S CUR AL ALU 60/76	E27	-	EB	-
912300022872	SGP618 SON-TPP100W S CUR AL ALU KC 60/76	E40	-	EB	-
912300022882	SGP618 PL-T/4P32W S CUR AL ALU KC 60/76	GX24Q-3	-	HFP	-
912300023042	SGP618 SON-TPP100W ELT II S CUR 7035 KC	-	-	-	ELT
912300023043	SGP618 SON-TPP100W ELT II S CUR ALU KC	-	-	-	ELT
912300023044	SGP618 SON-TPP150W II S CUR 7035 KC 32/4	-	-	-	-
912300023046	SGP618 SON-TPP70W ELT II S CUR 7035 KC 3	E27	-	-	ELT
912300023052	SGP618 SON-TPP70W ELT II S 7035 KC 32/48	E27	-	-	ELT
912300023054	SGP619 SON-TPP100W ELT II S CUR 7035	E40	Yes	EB	ELT
912300023056	SGP619 SON-TPP150W ELT II S CUR ALU KC	E40	Yes	EB	ELT
912300023057	SGP619 SON-TPP250W ELT II S CUR 7035	E40	Yes	EB	ELT
912300023059	SGP619 SON-TPP400W ELT II S CUR 7035	E40	Yes	EB	ELT

General Information (2/2)

Order Code	Full Product Name	Lamp family code	Lamp power	IP optical compartment	Product Family Code	Standard RAL color	UL mark
912300022871	SGP618 SON-TPP70W S CUR AL ALU 60/76	SON-TPP	70 W	Single protection	SGP618	-	-
912300022872	SGP618 SON-TPP100W S CUR AL ALU KC 60/76	SON-TPP	100 W	Single protection	SGP618	-	-
912300022882	SGP618 PL-T/4P32W S CUR AL ALU KC 60/76	PL-T/4P	32 W	Single protection	SGP618	-	-
912300023042	SGP618 SON-TPP100W ELT II S CUR 7035 KC	SON-TPP	100 W	-	SGP618	-	-
912300023043	SGP618 SON-TPP100W ELT II S CUR ALU KC	SON-TPP	100 W	-	SGP618	-	-
912300023044	SGP618 SON-TPP150W II S CUR 7035 KC 32/4	SON-TPP	150 W	-	SGP618	-	-
912300023046	SGP618 SON-TPP70W ELT II S CUR 7035 KC 3	SON-TPP	70 W	-	SGP618	-	-
912300023052	SGP618 SON-TPP70W ELT II S 7035 KC 32/48	SON-TPP	70 W	-	SGP618	-	-
912300023054	SGP619 SON-TPP100W ELT II S CUR 7035	SON-TPP	100 W	-	SGP619	Light gray	-
912300023056	SGP619 SON-TPP150W ELT II S CUR ALU KC	SON-TPP	150 W	-	SGP619	-	-
912300023057	SGP619 SON-TPP250W ELT II S CUR 7035	SON-TPP	250 W	-	SGP619	Light gray	-
912300023059	SGP619 SON-TPP400W ELT II S CUR 7035	SON-TPP	400 W	-	SGP619	Light gray	-

Mechanical and Housing

Order Code	Full Product Name	Color
912300022871	SGP618 SON-TPP70W S CUR AL ALU 60/76	Aluminum
912300022872	SGP618 SON-TPP100W S CUR AL ALU KC 60/76	Aluminum
912300022882	SGP618 PL-T/4P32W S CUR AL ALU KC 60/76	Aluminum
912300023042	SGP618 SON-TPP100W ELT II S CUR 7035 KC	-
912300023043	SGP618 SON-TPP100W ELT II S CUR ALU KC	Aluminum
912300023044	SGP618 SON-TPP150W II S CUR 7035 KC 32/4	-

Order Code	Full Product Name	Color
912300023046	SGP618 SON-TPP70W ELT II S CUR 7035 KC 3	-
912300023052	SGP618 SON-TPP70W ELT II S 7035 KC 32/48	-
912300023054	SGP619 SON-TPP100W ELT II S CUR 7035	-
912300023056	SGP619 SON-TPP150W ELT II S CUR ALU KC	Aluminum
912300023057	SGP619 SON-TPP250W ELT II S CUR 7035	-
912300023059	SGP619 SON-TPP400W ELT II S CUR 7035	-

