

Spinella

Single and Multiple Module Roadway Fixtures



PRELIMINARY
DATA SHEET

Gray RAL 7035 IP66 IK08 12KG CLASS II CLASS I CE

Product information

Introducing Spinella, GE Lighting's single and multiple module roadway fixtures. From residential streets to highways, the Spinella fixture is changing the way you light your roads. Innovative engineering at its best, this luminaire balances the technical needs of a cutting edge LED system with the functional demands of an outdoor luminaire. GE's advanced LED optical design offers many different photometric options to meet your precise lighting requirements, while delivering reduced glare and improved lighting control. A sleek and robust heat sink is just one part of the sophisticated thermal management system designed by GE engineers to remove damaging heat from the LEDs and ensure reliable performance over the life of the luminaire.

The Spinella fixture offers more than 12 years of service life to significantly reduce maintenance frequency and expense, based on a 50,000 hours life and 12 hours of operation per day. This efficient luminaire can yield up to a 50 percent reduction in system energy compared with standard HID systems, depending on the application.

Structures and materials

Housing: Die cast aluminium. Tool-less entry via latch.

Screws: stainless steel

Standard color: RAL 7035

Electrical and gear compartment

The driver is placed on a tool less removable gear tray with a protection degree IP66.

Optics

Optical assembly hermetically sealed providing IP66, comprising:

Glass: flat tempered glass fixed with a gasket.

Reflector: 4 different reflectors available. Scalable reflective technology designed to optimize application efficiency and minimize glare. Utilized high brightness LEDs, 70 CRI at 3000K, 4000K & 5000K typical.

Maintenance

System rating:

Single Module Fixture: Reported L90 (9K) >50,000 hours at 25°C, projected L70 (9K) >150,000 hours at 25°C.

Multiple Module Fixture: Reported L90 (9K) >50,000 hours at 25°C, projected L70 (9K) >150,000 hours at 25°C (preliminary data).

Luminaire ambient temperature range: -30°C to +50°C with a maximum non-energized storage temperature of 85°C.

Installation

Available in European Electrical classes I and II.

Mounting options

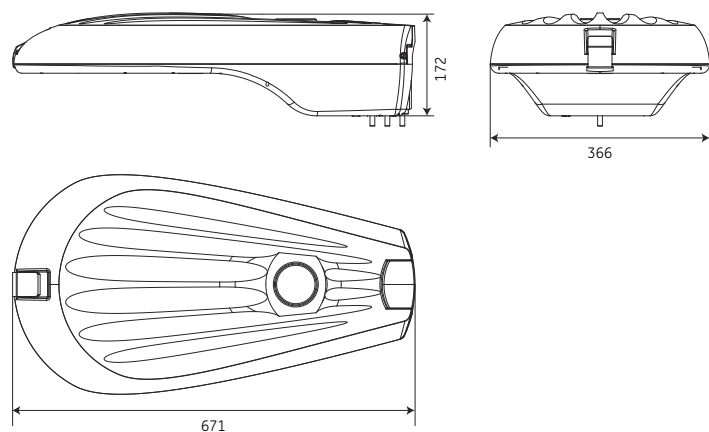
- Post top mounting: pole diameter 48-60 and 76mm
- Side mounting: pole diameter 48-60mm



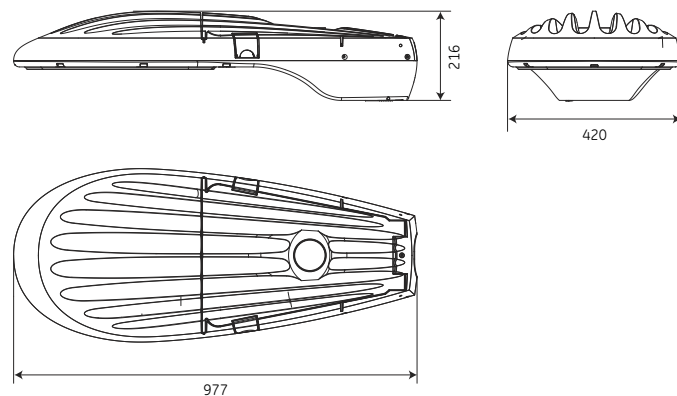
GE imagination at work

Dimensions [mm]

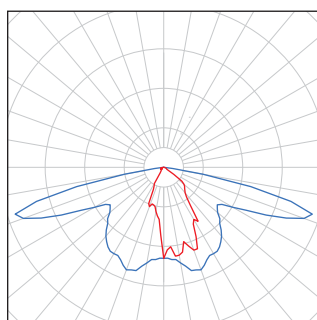
Low watt



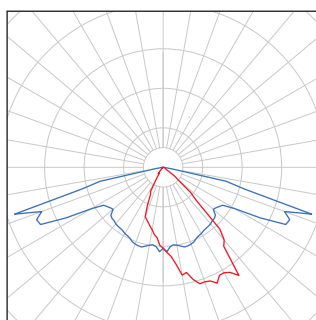
High watt



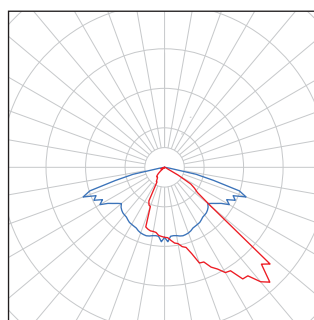
Photometric data



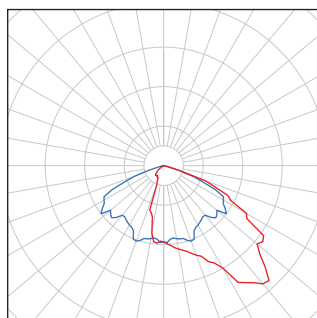
Extra Narrow Asymmetric Medium



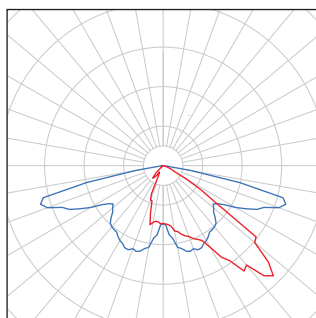
Narrow Asymmetric Medium



Asymmetric Short



Asymmetric Forward Very Short



Asymmetric Medium

Specifications

Weight [kg]	12
Side Surface [m²]	0,075
Dimensions [mm]	670×366×172
Driver	Electronic, dimmable (0-10V or DALI with Power reduction and Astronomic clock function*) 220-240V/50-60Hz Single Module Fixture: 20, 30, 44, 55, 70, 90W Multiple Module Fixture: 95, 110, 130, 160, 195, 240W
Input Frequency [Hz]	50/60
Surge Protection	4kV/2kA minimum surge protection supplied 6kV/3kA additional surge protection available
Reflector	BX = Narrow Asymmetric (medium) CX = Asymmetric (short) EX = Asymmetric (medium) NX = Narrow Asymmetric (short)
Ambient Operating Temperature [°C]	-30 to +50
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC

Order logic

Single module Spinella LED

Spinella LED	Gen.	Front glass	Optics	Power [W]	CCT [K]	Control	Accessories	IEC protection classes	Precabling	Mounting	Color
SP L	1	F – Flat glass	B – BX C – CX E – EX N – NX	19 27 43 45 46 52 54 55 68 69 91	30-3000 40-4000 50-5000	N – No control A – 1-10 V D – Dali* S – Power reduction* A – Astronomic clock	ST – Standard type M3 – Minicell 35lux* M5 – Minicell 55lux* M7 – Minicell 70lux* NS – SELC NEMA Socket* S6 – S6000 Mayflower Socket SP – 6kV surge voltage protection	C1 C2	N – Without precabling P – Pre cabling	P76 – Post top, 76mm P60 – Post top, 48-60mm S60 – Side mounted, 48-60mm P50 – Post top, 42-50mm S50 – Side mounted, 42-50mm	R7035 XXXXXX***

*MINICELL and NEMA socket are not available together with DALI, StepDIM and Analogue 0-10V dimming control and only available in Class 1 version.

Multiple module Spinella LED

Spinella LED	Gen.	Front glass	Optics	Power [W]	CCT [K]	Control	Accessories	IEC protection classes	Precabling	Mounting	Color
SP L	1	F – Flat glass	B – BX C – CX E – EX N – NX	60-235	30-3000 40-4000 50-5000	N – No control A – 1-10V D – Dali	ST – Standard type M3 – Minicell 35lux* M5 – Minicell 55lux* M7 – Minicell 70lux* NS – SELC NEMA Socket*	C1 C2	N – Without precabling P – Pre cabling	P76 – Post top, 76mm P60 – Post top, 48-60mm S60 – Side mounted, 48-60mm	R7035 XXXXXX***

*MINICELL and NEMA socket are not available together with DALI, StepDIM and Analogue 0-10V dimming control and only available in Class 1 version.