

Spinella

Single and Multiple Module Roadway Fixtures



DATA SHEET



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. Developed and produced in EMEA, GE balances the technical needs of a sophisticated LED system with the functional demands of a reliable outdoor fixture for all weather conditions, while offering a platform for controls and intelligence.

Application areas

- Motorways
- Road & streets
- Residential areas

Installation and maintenance

Mounting options:

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

Weight: single: 10.5 Kg; multiple: 20 Kg

Recommended mounting height:

- Low Watt Spinella: 4m-15 m
- High Watt Spinella: 6m-15 m

Tool-less entry via latch.

Ambient temperature from -30°C to +50°C

Storage temperature up to 85°C.

Driver features

Electronic, dimmable.

Single module: from 19W to 91W

Multiple module: from 92W to 230W

Controls system inputs: 0-10V and Dali

Structures and materials

Housing material: aluminium

Optical cover: flat glass

Colour: RAL7035

All materials used in this product are WEEE and ROHS compatible

Performance*

Single module:

Luminous flux: from 2 klm to 8 klm

Luminaire efficacy:

- Up to 97 lm/W at 3000K
- Up to 107 lm/W at 4000K
- Up to 110 lm/W at 5000K

Lumen Maintenance:

- Reported L90 (10k) >60,000 hours
- Projected L70 (10 K) >240,000 hours

Multiple module:

Luminous flux: from 8 klm to 21,5 klm

Luminaire efficacy:

- Up to 90 lm/W at 3000K
- Up to 104 lm/W at 4000K
- Up to 106 lm/W at 5000K

Lumen maintenance:

- Reported L90 (10K) >59,000 hours
- Projected L70 (9K) >150,000 hours

*At 25°C ambient temperature



Installation and maintenance

Mounting options:

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

Weight: single: 10.5 Kg; multiple: 20 Kg

Recommended mounting height:

- Low Watt Spinella: 4m-15 m
- High Watt Spinella: 6m-15 m

Tool-less entry via latch.

Ambient temperature from -30°C to +50°C

Storage temperature up to 85°C.

Electrical

Input voltage and frequency: 220-240V, 50/60Hz

Class I: standard

Class II: on request

Surge protection: min 4kV/2kA

Input power (rated): 19W to 230W

Power factor: >0.9 (at nominal power)

Other options available

Additional surge protection is available.

Other RAL colours available on request.

Optics

Available photometric distributions:

- Narrow Asymmetric (medium) (B),
- Asymmetric (short) (C),
- Asymmetric (medium) (E),
- Narrow Asymmetric (short) (N)

Colour rendering index: >70

Available colour temperatures: 3000K, 4000K, 5000K

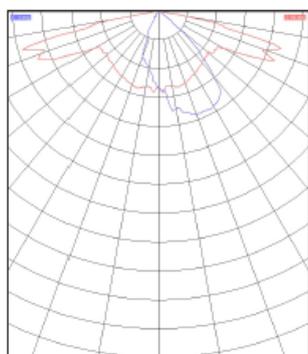
S/P rating: 3000K: 1.33, 4000K: 1.56, 5000K: 1.78

ULOR: 0

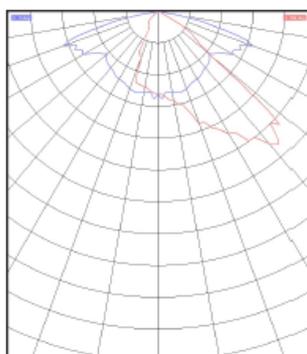
Standards and regulations

CE, ENEC, 2004/108/EC, 2009/125/EC, 1194/2012/EC, 2006/95/EC, 2011/65/EC

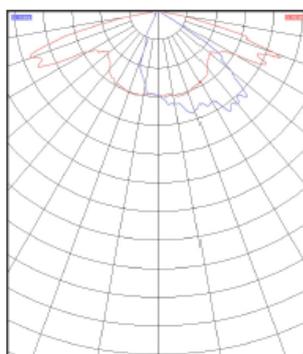
Typical photometrical features



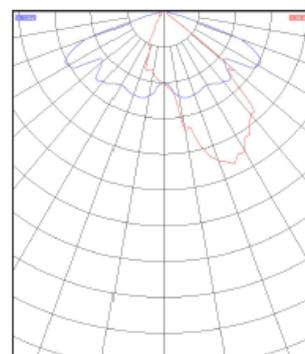
Narrow Asymmetric (medium)



Asymmetric (short)



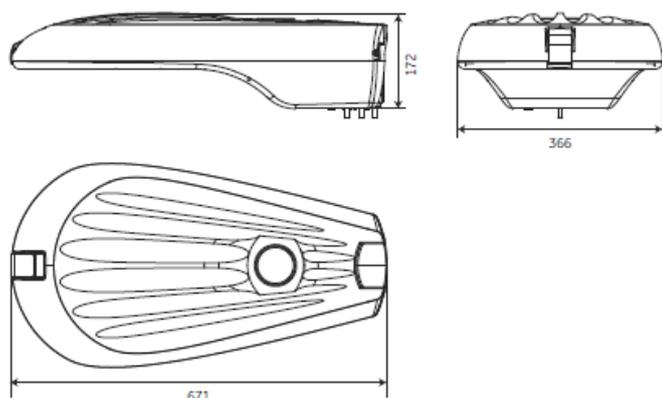
Asymmetric (medium)



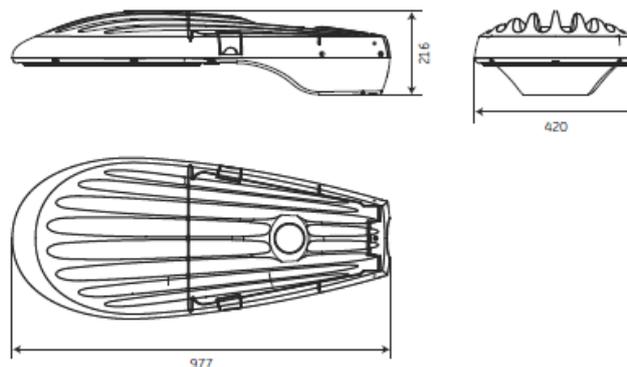
Narrow Asymmetric (short)

Dimensions [mm]

Single module



Multiple module



Order logic

Single module Spinella LED

Family	Gen.	Front glass	Optics	Power (W)	CCT (K)	Control	Accessories	IEC protection classes	Pre-cabling	Mounting	Colour
SPL	1	F - Flat glass	B - BX C - CX E - EX N - NX	19	30-3000K 40-4000K 50-5000K	N - No control A - 0-10V D - Dali* S - Step Dimming* R - AstroDIM Y - DynaDIM	ST - Standard type	C1 C2	N - Without pre-cabling P - Pre-cabling	P76 - Post top, 76mm P60 - Post top, 55 - 60mm S60 - Side mounted, 55 - 76mm P50 - Post top, 42 - 50mm S50 - Side mounted, 42 - 50mm	R7035 XXXXX***
				27			M3 - Minicell 35lux*				
				43			M5 - Minicell 55lux*				
				45			M7 - Minicell 70lux*				
				46			NS - SELC NEMA Socket*				
				52			S6 - S6000 Mayflower Socket**				
				54			SP - 6kV surge voltage protection				
				55			F - Fuse version				
				68							
				69							
91											

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

** S6000 Mayflower socket is not available together with no control option

***R7035 is a standard colour, other colours available on request

Multiple modul Spinella LED

Family	Gen.	Front glass	Optics	Power (W)	CCT (K)	Control	Accessories	IEC protection classes	Pre-cabling	Mounting	Colour
SPH	1	F - Flat glass	B - BX C - CX E - EX N - NX	90	30-3000K 40-4000K 50-5000K	N - No control A - 0-10V D - Dali Y - Dynadim	ST - Standard type	C1	N - Without pre-cabling P - Pre-cabling	P76 - Post top, 76mm P60 - Post top, 48 - 60mm S60 - Side mounted, 48-60mm P76 - Post top, 76mm	R7035 XXXXX***
				92			M3 - Minicell 35lux*				
				108			M5 - Minicell 55lux*				
				109			M7 - Minicell 70lux*				
				128			NS - SELC NEMA Socket*				
				131			S6 - S6000 Mayflower Socket**				
				154			SP - 6kV surge voltage protection				
				157			F - Fuse*				
				190							
				230							

*MINICELL and NEMA socket are not available together with DALI, StepDIM and Analogue 0-10V dimming control and only available in Class 1 version. S6000 Mayflower socket is not available together with no control option

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