

Spinella



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



Residential



Road and street
Motorways

Driver features

- Electronic, dimmable
- Single module: from 15W to 126W
- Multiple module: from 90W to 230W
- Controls system inputs: No control, 0-10V, Dali, DynaDIM
- Autonomous dimming depending on configuration

Performance

Single module:

- Rated luminous flux: from 1,550 lm to 12,320 lm
- Rated luminaire efficacy: up to 121 lm/W at 4000K
- Photometric code: 730/559, 740/559, 750/559
- Lumen maintenance code: 8
- Rated ambient temperature (tq) related to performance for a luminaire 25°C*
- Rated median useful life and the associated rated LM factor: L80B50 > 128.000 hours*
- Rated abrupt failure value*: 11.14%**

Multiple module:

- Rated luminous flux: from 7320 lm to 26400 lm
- Rated luminaire efficacy: up to 121 lm/W
- Lumen maintenance code: 9
- Photometric code: 730/559, 740/559, 750/559
- Rated ambient temperature (tq) related to performance for a luminaire 25°C*
- Rated median useful life and the associated rated LM factor: L80B50 > 195.000 hours
- Rated abrupt failure value*: 5.59 %**

* Definitions and tolerances according to IEC 62722-2-1.

**Rated abrupt failure value depends on the configuration type.

Installation and maintenance

Mounting options:

- Side mount \varnothing 48mm-60mm
- Post top \varnothing 48mm-76mm
- Coupler can be adjusted to -15°, -10°, -5°, 0°, +5°, +10° and +15° by 5° degree steps.
- Weight: 10,5kg (Single), 20,5kg (Multiple)
- Recommended mounting height: 6-12m (Single), 6-15m (Multiple)
- Only two hand-tools required for installing the fixture.
- Storage temperature up to 85°C.
- Ambient temperature from -30°C to +50°C.

Optics

Available photometric distributions:

- Narrow Asymmetric – medium (B)
- Asymmetric – short (C)
- Asymmetric – medium (E)
- Forward asymmetric – medium (F)
- Narrow asymmetric – short (N)
- Narrow asymmetric with backlight – short (P)
- Narrow asymmetric – medium (R)
- Narrow asymmetric – medium (S)
- Asymmetric – short (T)
- Asymmetric – medium (U)

Rated colour rendering index: >70 at 4000K

Rated correlated colour temperatures*: 3000K, 4000K, 5000K
S/P rating for : 3000K: 1.24, 4000K: 1.47, 5000K: 1.71
ULOR: 0

Rated initial chromaticity co-ordinate values:

CIE(x=0.43, y=0.403) 5SDCM
CIE(x= 0.38, y= 0.38) 5SDCM
CIE(x= 0.34, y= 0.35) 5SDCM

Structures and materials

- Housing material: die-cast aluminium body with polyester-based powder coat, corrosion resistant screws and brackets
- Optic material: coated polycarbonate or aluminium
- Optical cover: tempered glass
- Colour: RAL7035
- All materials used in this product are WEEE and ROHS compatible.

Electrical

Input voltage and frequency: 220-240V, 50-60Hz
Class I: standard, Class II: on request
Surge protection: minimum 4kV/4kA
Rated input power: 15W to 230W
Power factor: >0.9 (at nominal power above 25W)

Standards and regulation

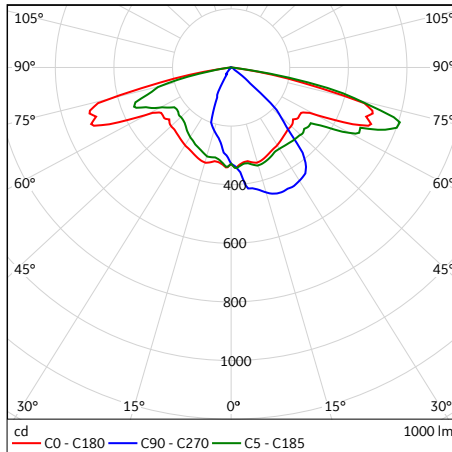
CE, ENEC, Directive 2004/108/EC, 2006/95/EC, 2009/125/EC
1194/2012/EU, 2011/65/EC, EN 60598, EN 62471, EN 55015,
EN 61000, EN 62493, EN 61547

Other options available

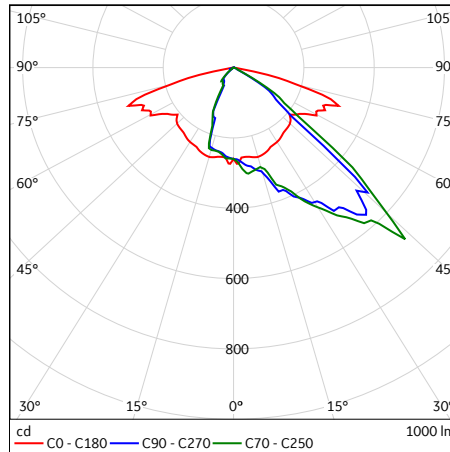
Precabing, extra surge protection up to 10kV/5kA, daylight sensor

Typical photometrical features

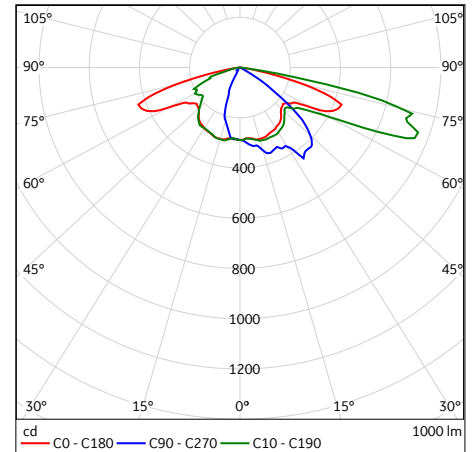
Spinella Single module (LW)



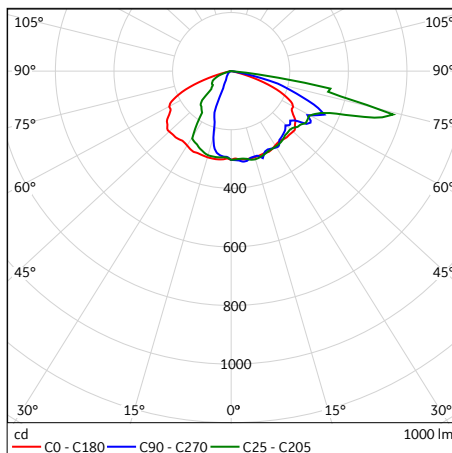
B



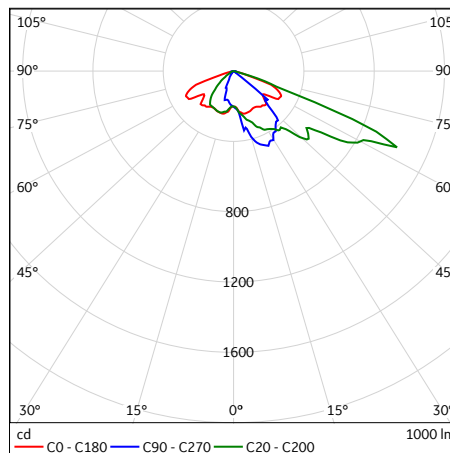
C



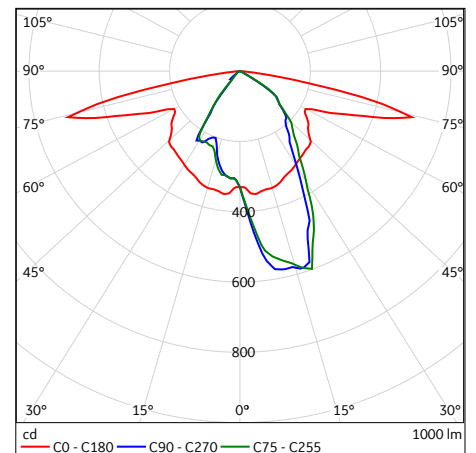
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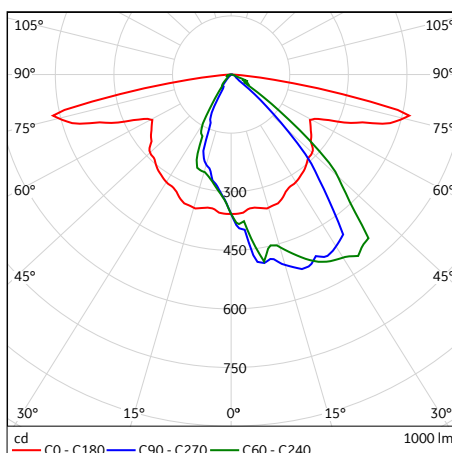
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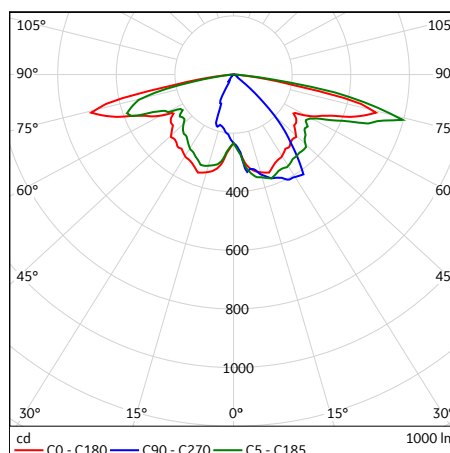
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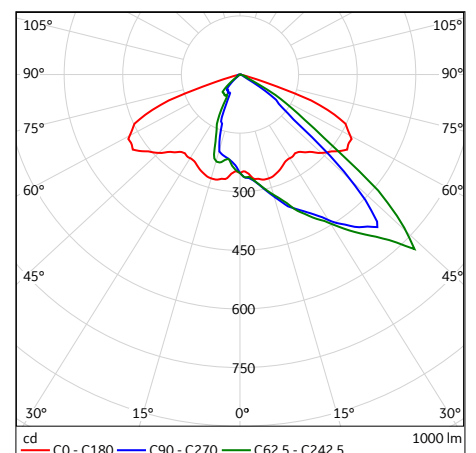
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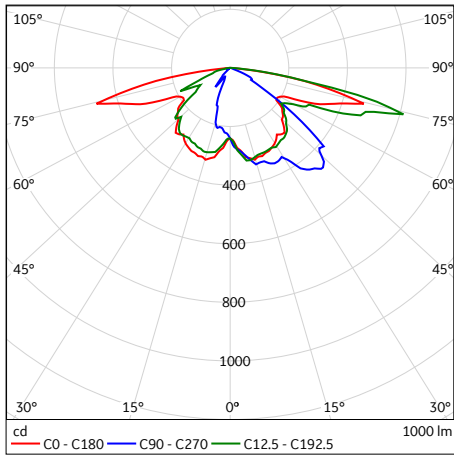
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S

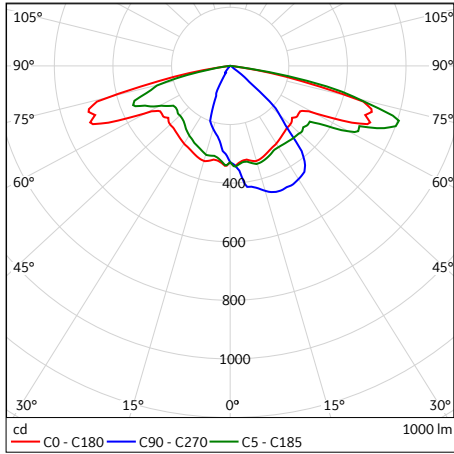


T

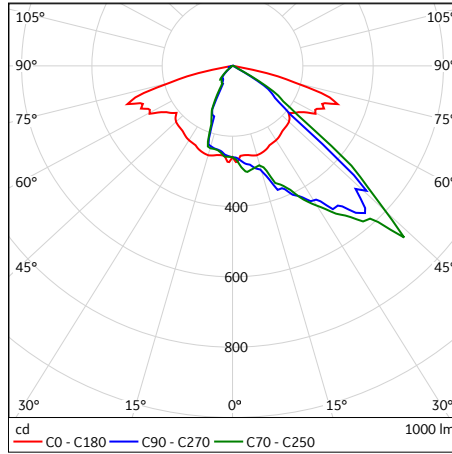


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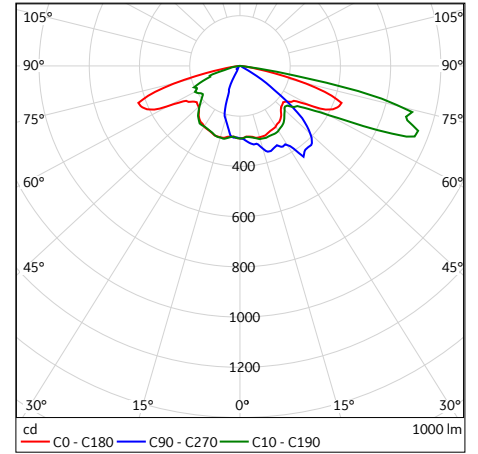
Spinnella Multiple module (HW)



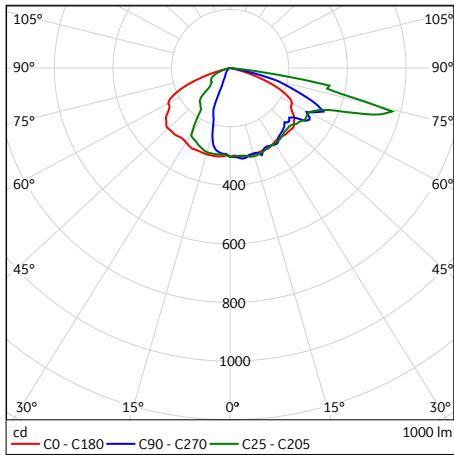
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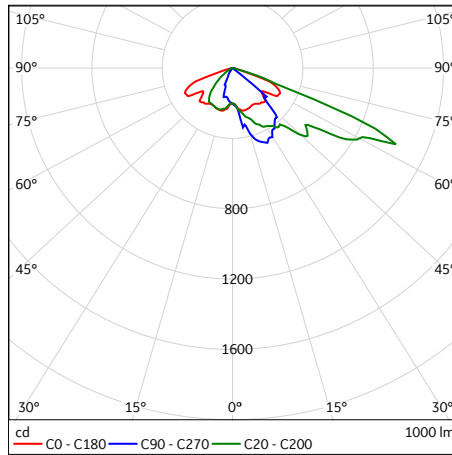
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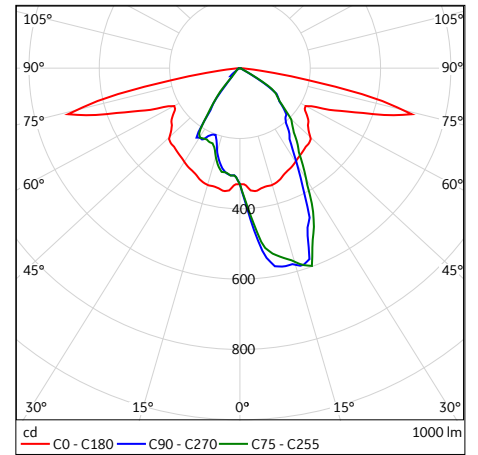
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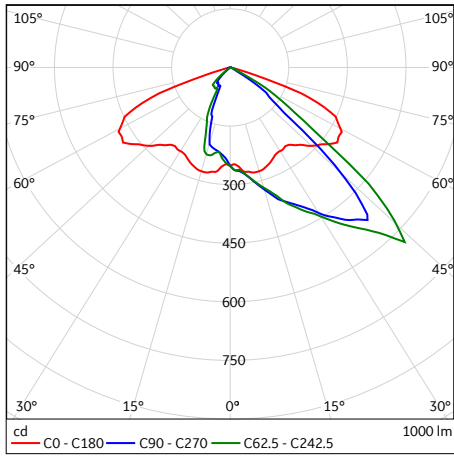
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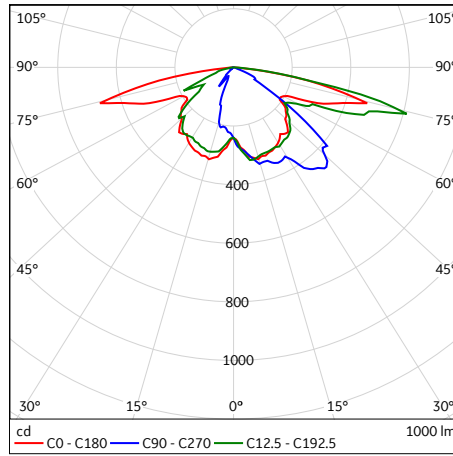
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P



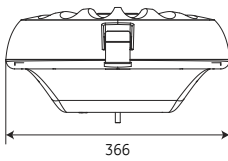
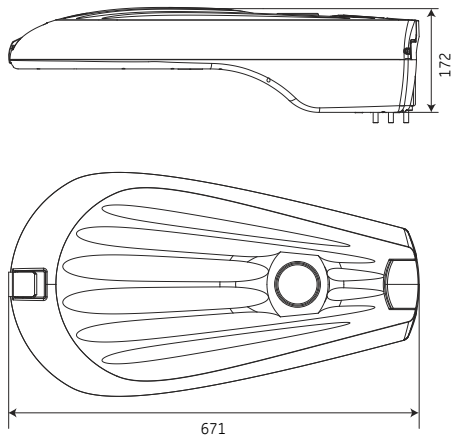
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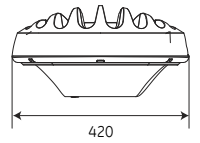
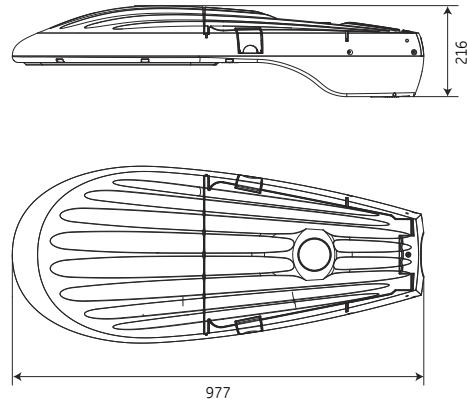
U

Dimensions (mm)

Single module



Multiple module



Order logic

Spinella Single module (LW)

Name	Gen.	Front Glass	Optics	Power (W)	CCT (K)	Control	Accessories	IEC Protection Classes	Precabbling	Mounting	Color
SP L	2	F-Flat Glass	B	15	30-3000 40-4000 50-5000	N - No control A - 1-10V D - DALI Y - DynaDim	ST - Standard type M3 - Minicell 35lux M5 - Minicell 55lux M7 - Minicell 70lux NS - 3 pin Nema Socket S6 - S6000 Mayflower socket SP - Extra Surge protection F - Fuse	C1 - Class I C2 - Class II	N- No precabbling PXX- Precabbling with XX meters	S50 - Side mount 42-50mm S60 - Side mount 48-60mm P50 - Post top 42-50 mm P76 - Post top 76 mm	R7035
			C	20							
			E	30							
			F	44							
			N	55							
			P	75							
			R	90							
			S	100							
			T	110							
			U	125							

Example: SP L/2/F/P/90/40/Y/ST/C1/P1/S50

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

Spinella Multiple module (HW)

Name	Gen.	Front Glass	Optics	Power (W)	CCT (K)	Control	Accessories	IEC Protection Classes	Precabbling	Mounting	Color
SP H	2	F-Flat Glass	B	95	30-3000 40-4000 50-5000	N - No control A - 1-10V D - DALI Y - DynaDim	ST - Standard type M3 - Minicell 35lux* M5 - Minicell 55lux* M7 - Minicell 70lux* NS - 3 pin Nema Socket S6 - S6000 Mayflower socket SP - Extra Surge protection F - Fuse	C1 - Class I C2 - Class II	N- No precabbling PXX- Precabbling with XX meters	S60 - Side mount 48-60mm P60 - Post top 48-60 mm P76 - Post top 76 mm	R7035
			C	115							
			E	130							
			F	130e**							
			N	160							
			P	160e**							
			T	195							
			U	235							

Example: SP H/2/F/B/130/40/N/M3/C1/N/P76

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

e** Economic version: 2 reflector, 1 driver option