GE
Lighting

DATA SHEET

Spinella

RAL 7035 | IP66 | IP66 | IK09 | Max 10.5kg (Single module) | Max 20.5kg (Multiple module) | CLASS I | CLASS II | 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. 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

Driver features

- Electronic, dimmable
- Constant Light Output (optional)
- Single module: from 52W to 125W
- Multiple module: from 90W to 230W
- Controls system inputs
  (Single module): No control, Dali, DynaDIM, Constant Light Output Controls system inputs
  (Multiple module): No control, 0-10V, Dali, DynaDIM Autonomous dimming depending on configuration

Installation and maintenance

Mounting options:
- Side mount ø48mm-60mm
- Post top ø48mm-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 -40°C to +50°C (max 40°C for 110W product with P optics and max 30°C for 125W product with P optics)

Performance

Single module:
- Rated luminous flux: from 5,520 lm to 12,720 lm
- Rated luminaire efficacy: up to 118 lm/W at 4000K
- Photometric code: 730/559, 740/559, 750/559
- Lumen maintenance code: 9
- Rated ambient temperature (tq) related to performance for a luminaire 25°C*
- Rated median useful life and the associated rated LM factor > 105.000 hours at L90
- Rated median useful life and the associated rated LM factor: L80B50 > 128.000 hours
- Rated median useful life and the associated rated LM factor: L80B10 > 125.000 hours
- Rated abrubt failure value < 10% at 100.000 hours
- Abrupt light output degradation (C) < 10 at 100.000 hours

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: L90B50 >105.000 hours*
- Rated median useful life and the associated rated LM factor: L80B50 > 195.000 hours
- Rated median useful life and the associated rated LM factor: L80B10 > 190.000 hours
- Rated abrupt failure value*: 20,4%** at 105.000 hours
- Abrupt light output degradation (C) < 10 at 100.000 hours

*Definitions and tolerances according to IEC 62722-2-1.
**Rated abrupt failure value depends on the configuration type.

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

Electrical

Input voltage and frequency: 220-240V, 50-60Hz
Class I: standard, Class II: on request
Surge protection: minimum 6kV/3kA
Rated input power: 52W to 230W
Power factor: >0.9

Standards and regulation

CE, ENEC, Directive 2014/30/EU, 2014/35/EU, 2009/125/EC 1194/2012/EU, 2011/65/EC, EN 60598, EN 62471, EN 55015, EN 61000, EN 62493, EN 61547.

Structures and materials

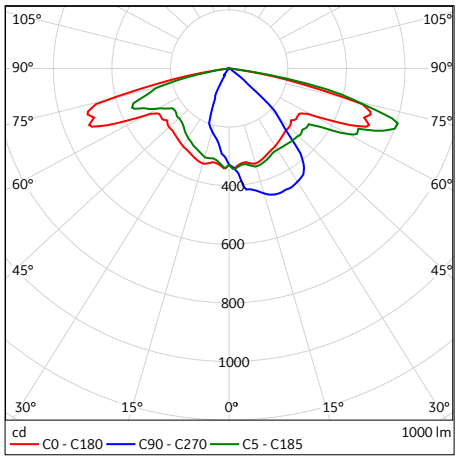
- Housing material: die-cast aluminium body with polyesther-based powder coat, corrosion resistant screws and brackets
- Optic material: coated polycarbonate or aluminium
- Optical cover: tempered glass
- Colour: RAL7035
- All materials used in this product are WEEE and ROHS compatible.

Other options available

Precabling, extra surge protection up tp 10kV/5kA, daylight sensor

Typical photometrical features

Spinella Single module (LW)



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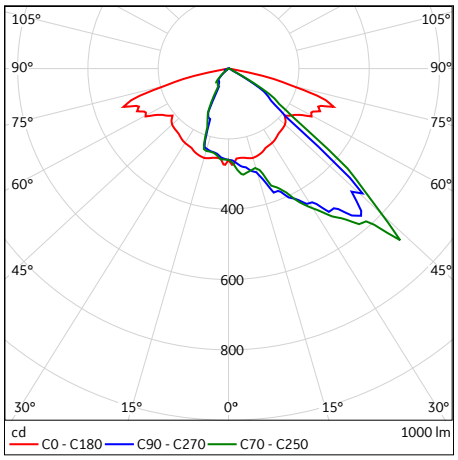

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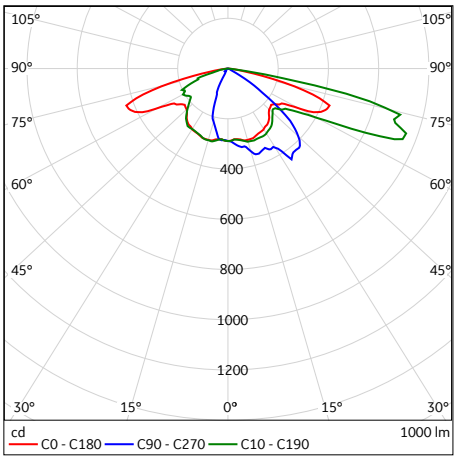

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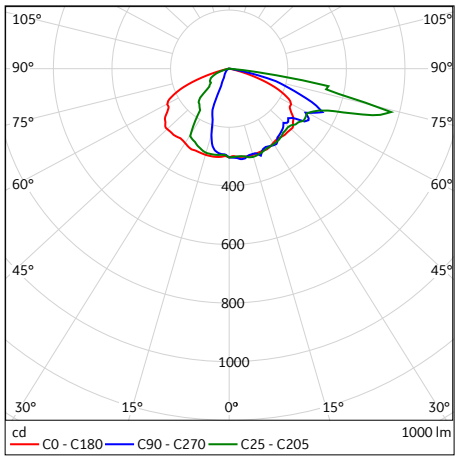

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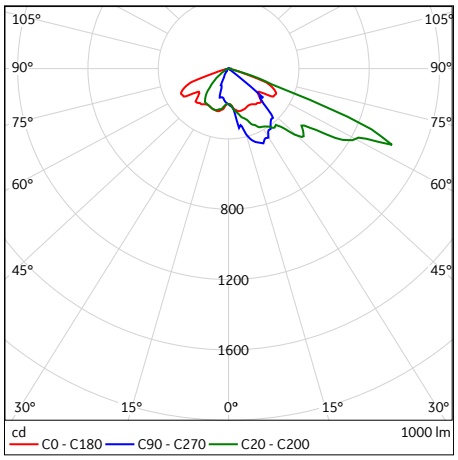

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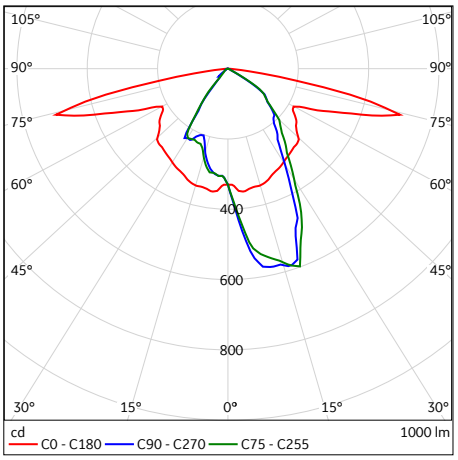

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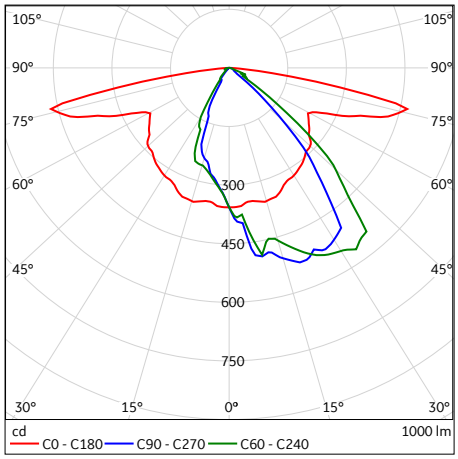

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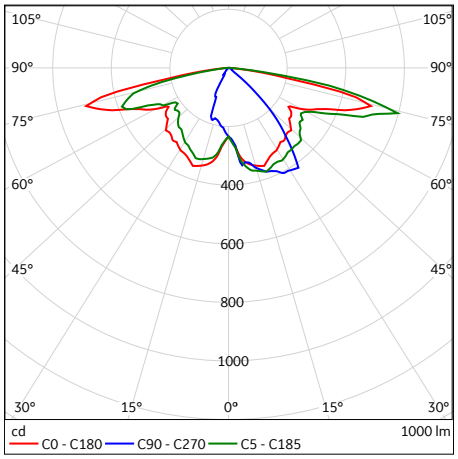

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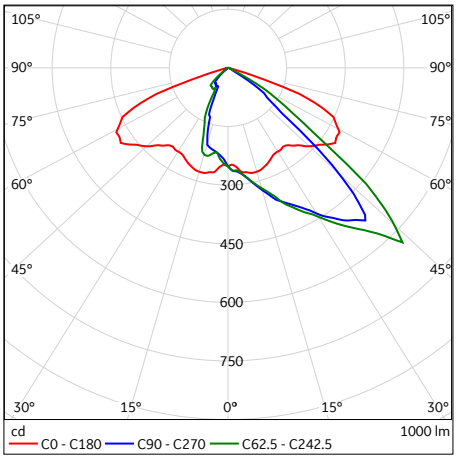

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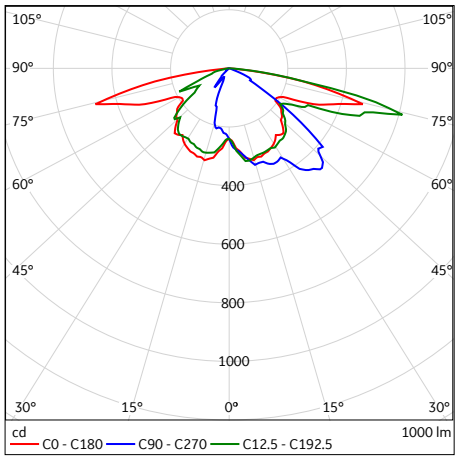

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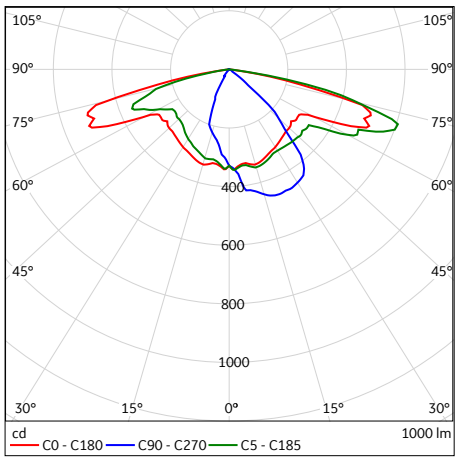
Spinella Multiple module (HW)



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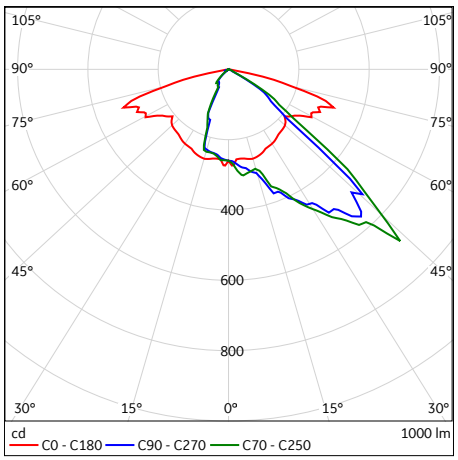

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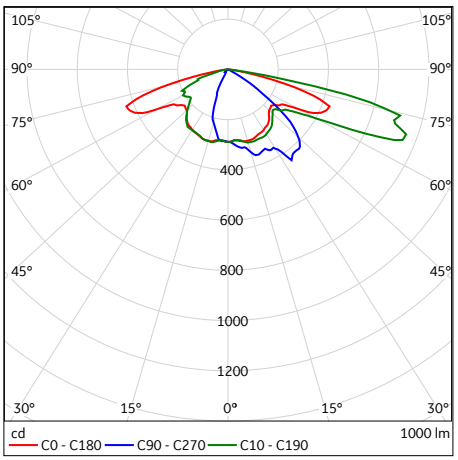

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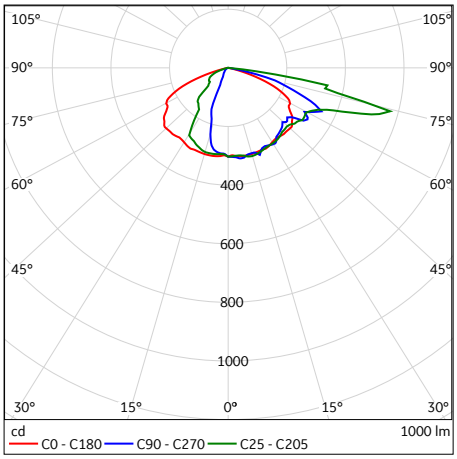

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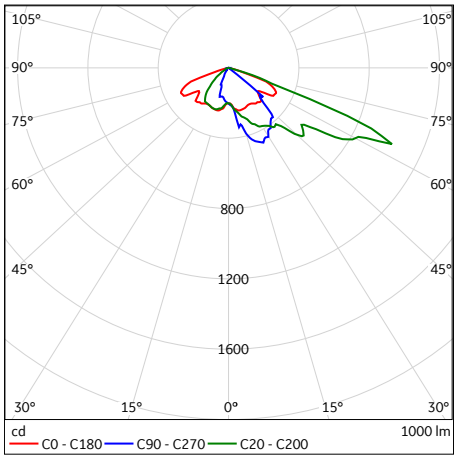

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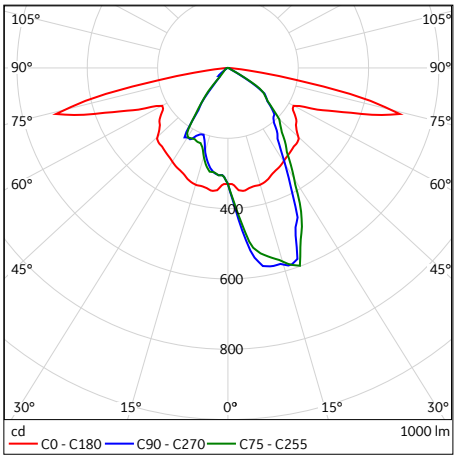

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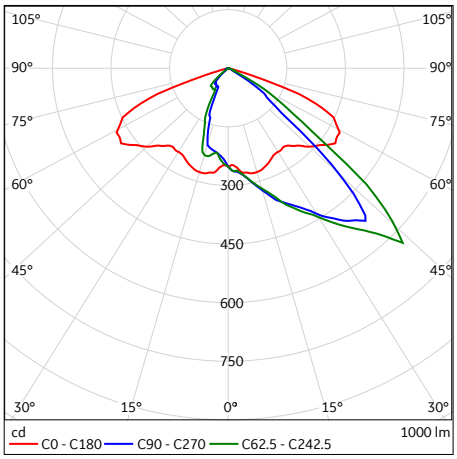

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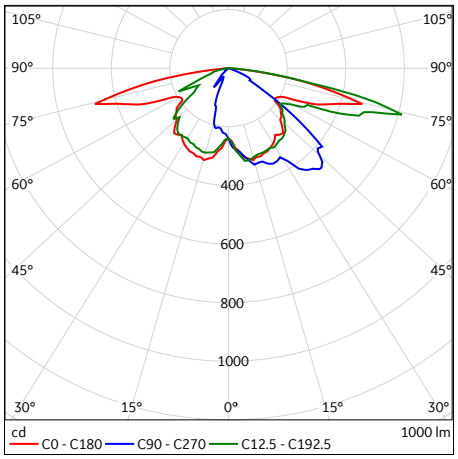
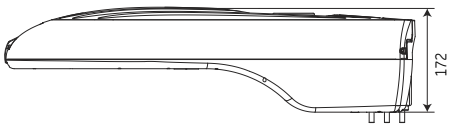
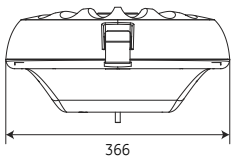


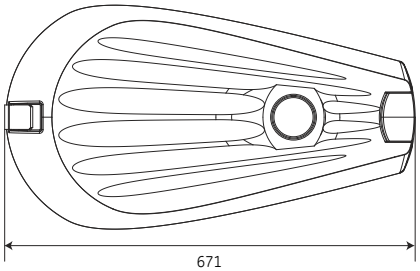
U

Dimensions (mm)

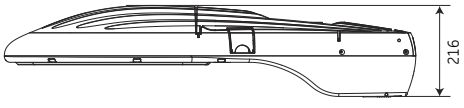
Single module

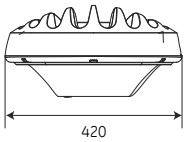


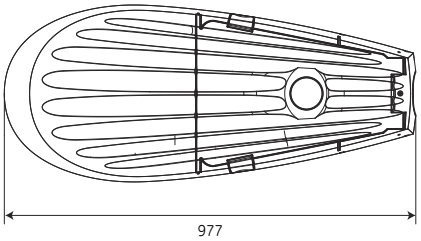




Multiple module







Order logic

Spinella Single module (LW)

Name	Gen.	Front Glass	Optics	Power (W)	CCT (K)	Control	Accessories	IEC Protection Classes	Precabling	Mounting	Color
SP L	**3**	**F**-Flat Glass	B C E F N P R S T U	50 65 85 100 110 125	**30**-3000 **40**-4000 **50**-5000	**N -** No control **D -** DALI external **Yxx -** Dynadim **NLxx -** Constant Light **DLxx -** DALI+CLO **YLxx -** Dynadim+CLO	**ST -** 6kV surge protection **SP -** Enhanced surge protection **LS -** 7pin NEMA socket with SP * **M3 -** Minicell 35lux * **F -** Fuse with SP	**C1** - Class I **C2** - Class II	**N**- No precabling **PXX**- Precabling with XX meters	**P76 -** Post top, 55-76mm **S60 -** Side mounted, 55-76mm **P50 -** Post top, 42-50mm **S50 -** Side mounted, 42-50mm	R7035 Rxxxx

Example: SP L/3/F/P/100/40/Y/ST/C1/P1/S50

*MINICELL and NEMA socket are only available in Class 1 version

Spinella Multiple module (HW)

Name	Gen.	Front Glass	Optics	Power (W)	CCT (K)	Control	Accessories	IEC Protection Classes	Precabling	Mounting	Color
SP H	**2**	**F**-Flat Glass	B C E F N P T U	95 115 130 130e** 160 160e** 195 235	**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 precabling **PXX**- Precabling with XX meters	**S60 -** Side mount 48-60mm **P60** - Post top 48-60 mm **P76** - Post top 76 mm	R7035

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