

Fernandina Lamp E-Series 12LED 29W

Classic luminaires with great historical and decorative value using the most modern LED technology

Classic ornamental luminaire, combining a characteristic vintage aesthetic with the most modern and efficient lighting technologies.
Fernandina is a neoclassical lamp with a curved design in the form of a crenellated crown with abundant decoration. Made by Victor D'Ors in the mid-19th century, it is easily found in major cities all over the world.
Designed to give cities the opportunity to preserve their historical and cultural value, while at the same time providing better lighting, responsible and adapted to the environment.
The luminaire is suitable for historic and urban spaces as well as residential streets, squares or parks.

Fernandina Lamp is made of die-cast aluminum alloy, which provides lightweight and facilitates its installation of the luminaire. In addition, the lamp maintenance can be performed quickly with no tools, the upper body is hinged allowing easy access to the driver and the LED module. It includes polycarbonate diffusers that protect the optical group, extending the life of the luminaire, while improving aesthetics and reducing glare.

Fernandina Lamp offers the possibility of including a customized and pre-programmed dimming profile, with several levels and up to 5 steps (available in the references with dimming). This makes possible to regulate the luminous intensity and the power emitted in certain time slots, adapting the operation of the lighting according to the user's habits. With flexible lighting, adapted to each situation, maximum levels of efficiency can be achieved.

Ref.	63070201

Other features	
Number of LEDs	12

Physical data	
Net weight	10,200.00 g

Lighting control	Dimmable
Power	29.00 W

Packaging info	
Box	1 pcs.

Gross volume	236.00 dm³
Gross weight	13,700.00 g
Width	520.00 mm
Height	850.00 mm
Depth	520.00 mm

Highlights

- **Classic design:** allows integration in streets or squares of historical value, where it is necessary to replace an ornamental lamp
- **100% electrical safety:** class II with no need for grounding and SELV certified
- **Energy saving:** long maintenance-free service life, which increases savings compared to other technologies, achieving savings of up to 80%
- **Flawless thermal management:** passive cooling system of the light source, by means of high quality thermopolymer heat sinks stabilised against UV radiation
- **Supports the quality of the night sky:** in accordance with the requirements of the IAC (Instituto de Astrofísica de Canarias), the luminaire is suitable for areas of special protection against light pollution (flux emission to the upper hemisphere < 0.1%)
- **Televes driver:** electronics designed and manufactured in our facilities, following the most demanding quality controls and verification at each point of development
- **IP68 connector - PLUG AND PLAY:** supplied with a tubular IP68 connector for quick and safe installation of the lighting
- **Outdoors designed:** Driver, optical group and IP67 connections offer integral protection to all optical and electronic elements against water and dust
- **Quality guarantee:** technology designed and manufactured in our state-of-the-art facilities, in collaboration with national and local suppliers, guaranteeing total control, with precise traceability and rigorous verification of all processes

Discover

Our ranges of luminaires encompass a wide range of powers and number of LEDs, in addition to being customizable in the types of lighting control, colour temperatures, optics and their light distribution, and finishes. **A product can be configured according to these parameters, and ordered by its numerical or logical reference**, as follows:

Selecting the luminaire by the numerical reference:

This is a numerical code made up of 14 digits:

- The first 6 digits represent a code that depends on the Series of the luminaire, the number of LEDs and the power

- The next 8 digits allow you to choose the configurable parameters of the luminaire: lighting control, colour temperature, type of optics and finish

Series		Dimming		Colour Temperature		Optics		Finish	
631703	*Urban Alameda E 24LED 53W*	00	*No Dimming*	18	*PC Amber*	02	*SP*	02	*Black*
631713	*Urban Alameda E 24LED 39W*	01	*Dimming*	22	*2200K*	11	*D90*	xx	*Custom*
				27	*2700K*	17	*T2-C90*		
				30	*3000K*	18	*T3-B90*		
				40	*4000K*				

Selecting the luminaire by logical reference:

This is an alphanumeric code composed of an unlimited number of characters, describing the luminaire's characteristics using logical abbreviations, to facilitate its interpretation. It is divided into 2 groups of characters, separated by a hyphen:

- The first group specifies: the luminaire series, the number of LEDs, the colour temperature, and the lighting control
- The second group specifies: the type of optics, the finish and the power

An example of a logical reference: UA2418D-D90BL53

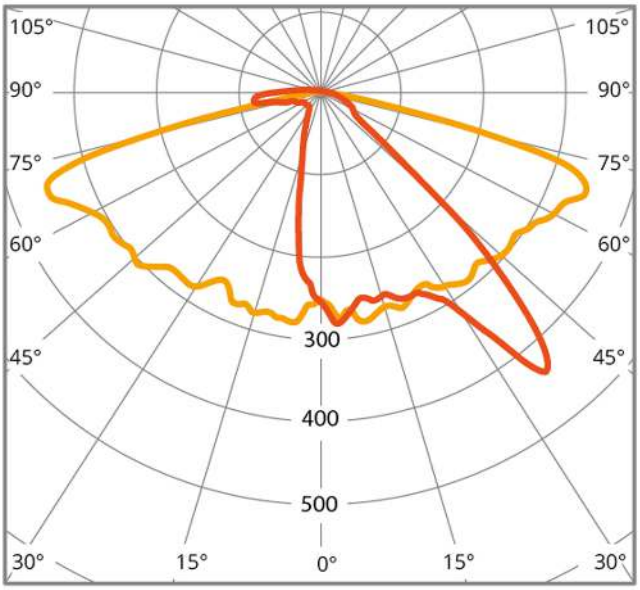
- UA – *Urban Alameda*
- 24 – *24 LEDs*
- 18 – *Colour Temperature: PC Amber*
- D – *Dimming included*

- D90 – *D90 Optics*
- BL – *Black colour*
- 53 – *53W Power*

Range & LED number		Colour Temperature		Dimming		Optics	Finish		Power	
UA24	*Urban Alameda E 24LED*	18	*PC Amber*	(ø)	*No Dimming*	SP	BL	*Negro*	53	*53W*
		22	*2200K*	D	*Dimming*	D90	xx	*Custom*	39	*39W*
		27	*2700K*			T2-C90				
		30	*3000K*			T3-B90				
		40	*4000K*							

Graphic documentation

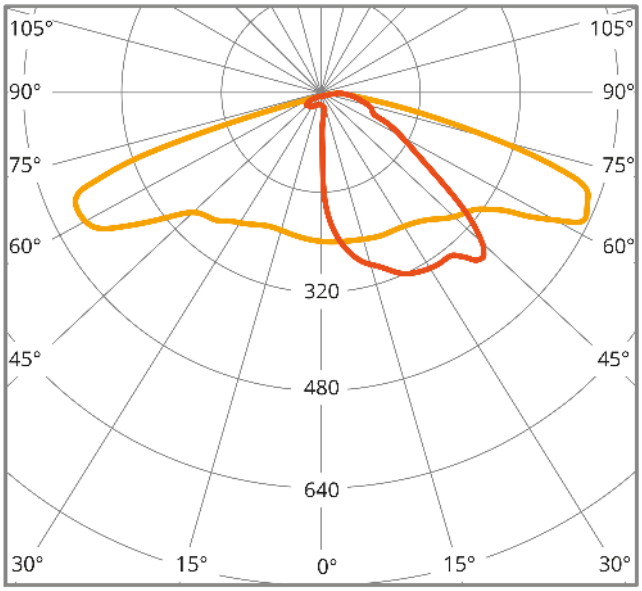
ME



cd/klm C0 - C180 C90 - C270 $\eta = 88\%$

Light distribution curve

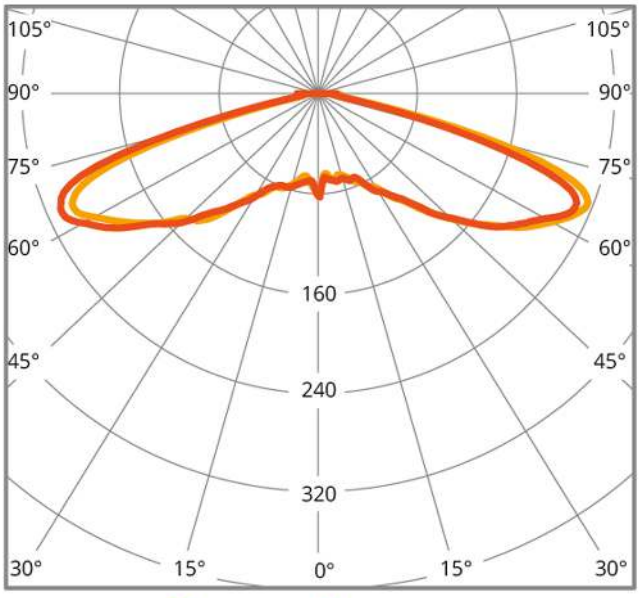
P



cd/klm C0 - C180 C90 - C270 $\eta = 94\%$

Light distribution curve

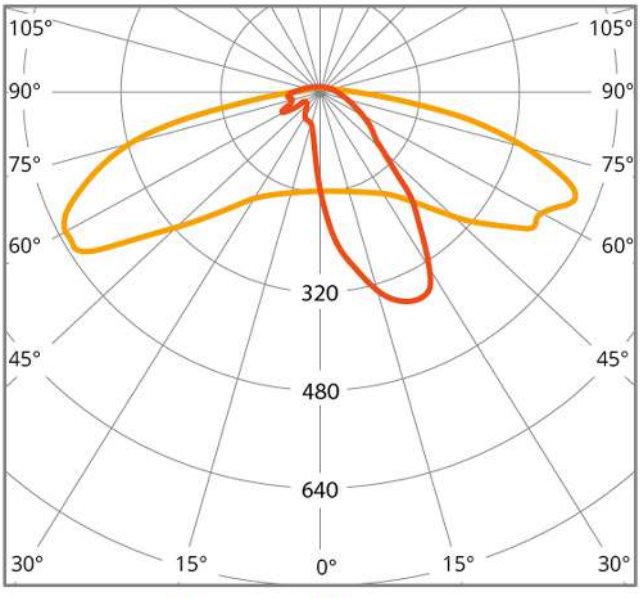
SP



cd/klm C0 - C180 C90 - C270 $\eta = 96\%$

Light distribution curve

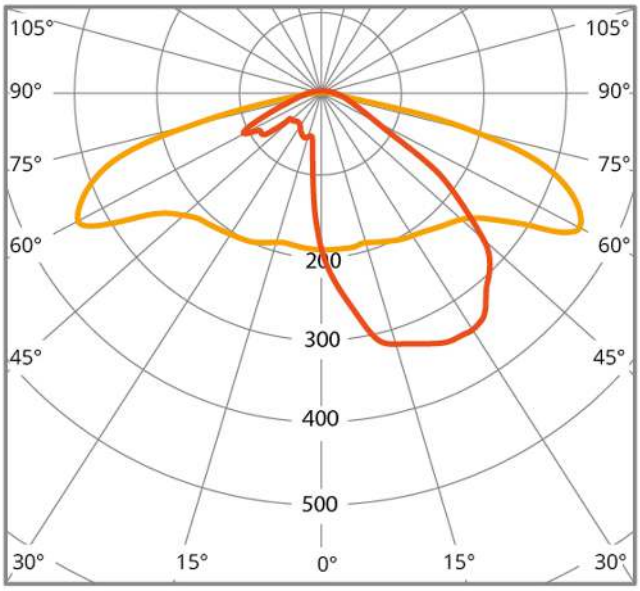
T2



cd/klm C0 - C180 C90 - C270 $\eta = 90\%$

Light distribution curve

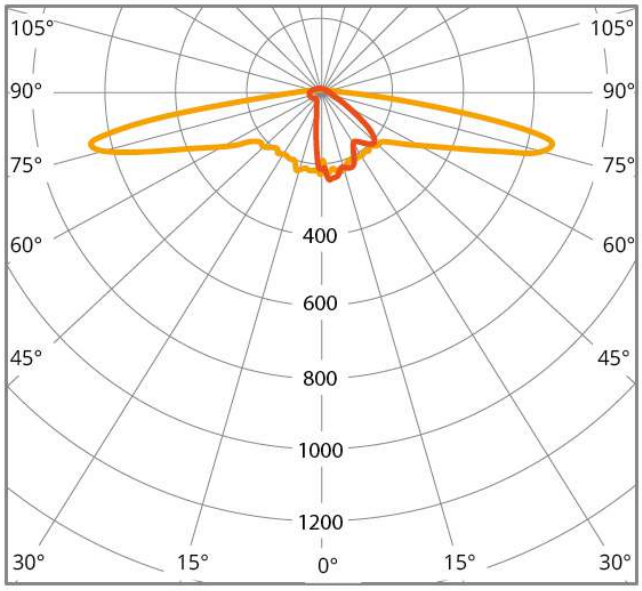
T3



cd/klm C0 - C180 C90 - C270 $\eta = 92\%$

Light distribution curve

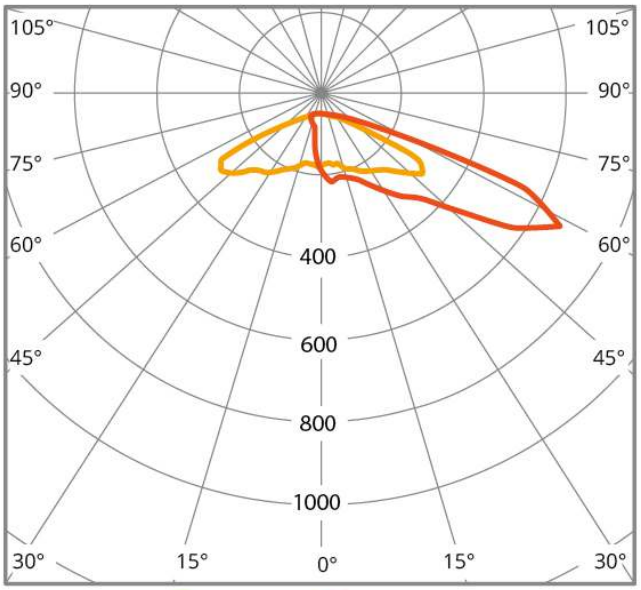
SCL



cd/klm C0 - C180 C90 - C270 $\eta = 86\%$

Light distribution curve

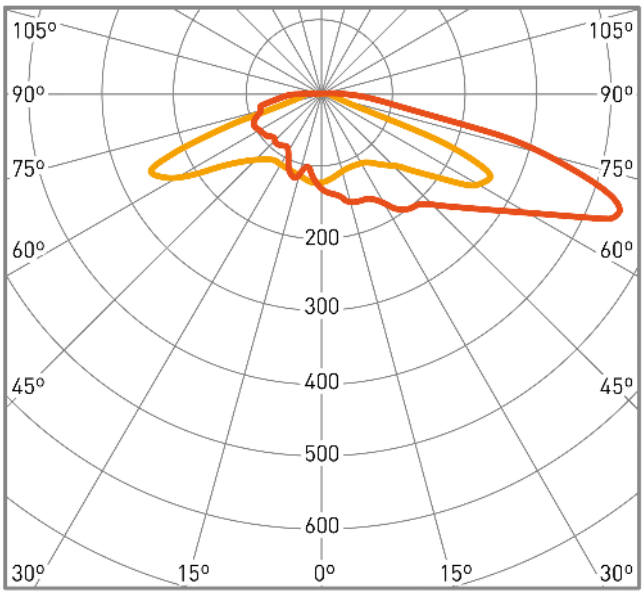
APZ



cd/klm C0 - C180 C90 - C270 $\eta = 96\%$

Light distribution curve

T4



cd/klm C0 - C180 C90 - C270 $\eta = 94\%$

Light distribution curve

Features



Balance between tradition and modernity

The Fernandina luminaire combines the latest LED technology with neoclassical and ornamental aesthetics, subtly integrating itself into historical and monumental areas. In this way, the advantages of LED technology, such as savings, efficiency and durability, are exploited while maintaining harmony with the environment and beautifying the streets.



Maximum security

The lamp Fernandina has the highest levels of electrical protection: its Class II guarantees safety without the need for grounding thanks to the double isolation of the components. Furthermore, the SELV certificate provides an output voltage of less than 60V, minimising the risk of electrocution in the case of system failure. In addition, its driver, optical group and IP67 connections offer integral protection to all optical and electronic elements against water and dust ingress, eliminating any effect caused by external agents.



Flawless thermal management

The lamp Fernandina has a passive cooling system for the light source. High thermal conductivity is guaranteed by the innovative, high-quality heatsinks made of thermopolymer of our own design, resulting in high temperature stability. The heatsink ensures thermal protection of the electronics maximising the lifetime of the LED module and improving its efficiency.

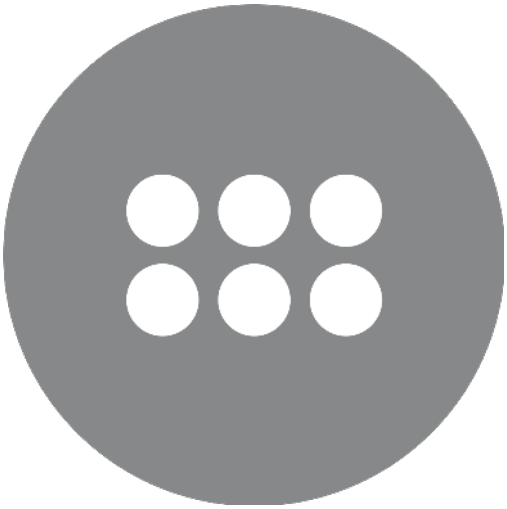


A world of possibilities

Each situation requires specific lighting features, that's why our luminaires offer multiple alternatives to meet the needs of each context:

- A wide selection of highly homogeneous colour temperatures (SDCM<3): PC Amber, 2,200, 2,700, 3,000 and 4,000ºK
- 8 different types of optics are available to achieve lighting adapted to any environment: P, SP, ME, T2, T3, T4, APZ and SCL
- Variety of finishes in any colour of the RAL range
- CRI>70 and available on request CRI>0 and CRI>90

And if you don't find what you are looking for, we have even more options available on request. We are pleased to study your project in a tailored, non-binding way. Contact us, and we will help you choose the perfect lighting.



Control and connectivity

E series incorporates drivers with 1-10V communication protocol, allowing luminous flux regulation between 1 and 100% by varying the voltage of the input signal from 1 to 10V.
E series luminaires include options with a pre-programmed dimming profile, with several levels and up to 5 steps (in the references with dimming), to adjust the luminous intensity and the emitted power at certain times, adapting the operation of the luminaire to the users' habits.



Televes quality guarantee

Our cutting-edge facilities are equipped with all the means to guarantee a quality and reliable luminaire, highlighting precise traceability and rigorous verification of all processes. This is possible thanks to an advanced methodology of product design under simulation and in-house manufacturing on robotised lines, in collaboration with national and local providers.

Televes®

Technical specifications : Ref. 63070201

Number of leds		12							
Power	W	29							
Pre-programmed dimming		Yes							
Control interface		1-10V							
Optic type options		P	SP	T2	T3	ME	APZ	SCL	T4
Lens type		PC lens	PC lens	PC lens	PC lens	PC lens	PC lens	PC lens	PC lens
Color temperature options		2200K		2700K		3000K		4000K	PC Amber
Luminous flux	lm	3045		3335		3480		3712	1508
Lighting efficiency	lm/W	105		115		120		128	52
LED current	mA	325		325		325		325	650
Duration	h	100000							
Working life		L90B10							
Constant ligh output (CLO)		No							
Standard Deviation Colour Matching (SDCM)		< 3							
Color rendering index (CRI)		70							
CE Mark		Yes							
ENEC Certificate		No							
Protection Class IEC		Class II							
EU RoHS Compliant		Yes							
IK Rating (light module)		10							
IK Rating (whole luminaire)		9							
IP Rating (light module)		68							
IP Rating (whole luminaire)		56							
Color		Black							
Material		Aluminium							
Material cover		Without cover							
Fixation Material		Aluminium							
Mast diameter Max	in	2.362							
Mast diameter Min	in	1.654							
Mounting method		Post top							
Surface protection		Powder coating							
Surface facing the wind	m^2	0.3							
Number of LED modules		1							
Minimum power factor		0.9500							
Lighting source type		LED							
Replaceable light source		Yes							
Cable		Yes							
Power consumption tolerance	%	5							
Lighting flux tolerance	%	8							
Electric connection		3-pole waterproof connector							
Inrush current	A	26							
Input voltage Max	Vac	240							
Input voltage Min	Vac	220							
Mains frequency		50 Hz							
Max. Operating temperature	°F	104							
Min. Operating temperature	°F	-31							