



## 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.

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<b>Ref.</b>	63070201
<b>EAN13</b>	8424450306864

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## Other features

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<b>Number of LEDs</b>	12
<b>Lighting control</b>	Dimmable
<b>Power</b>	29.00 W

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## Packaging info

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<b>Box</b>	1
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## Physical data

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<b>Net weight</b>	10,200.00 g
<b>Gross weight</b>	13,700.00 g
<b>Width</b>	520.00 mm
<b>Height</b>	850.00 mm
<b>Depth</b>	520.00 mm

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## Highlights

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

## 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	
<b>UA24</b>	<i>Urban Alameda E 24LED</i>	<b>18</b>	<i>PC Amber</i>	(ø)	<i>No Dimming</i>	<b>SP</b>	<b>BL</b>	<i>Negro</i>	<b>53</b>	<i>53W</i>
		<b>22</b>	<i>2200K</i>	<b>D</b>	<i>Dimming</i>	<b>D90</b>	<b>xx</b>	<i>Custom</i>	<b>39</b>	<i>39W</i>
		<b>27</b>	<i>2700K</i>			<b>T2-C90</b>				
		<b>30</b>	<i>3000K</i>			<b>T3-B90</b>				
		<b>40</b>	<i>4000K</i>							

## Graphic documentation

## ME



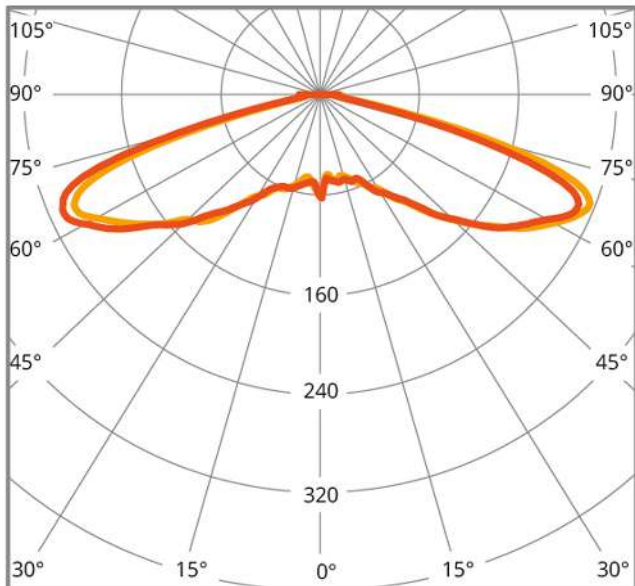
cd/klm    ■ C0 - C180    ■ C90 - C270     $\eta = 88\%$   
Light distribution curve

## P



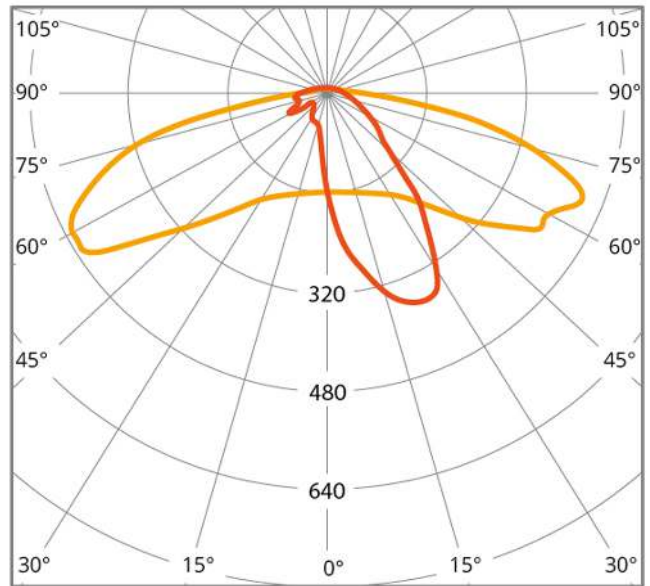
cd/klm    ■ C0 - C180    ■ C90 - C270     $\eta = 94\%$   
Light distribution curve

## SP



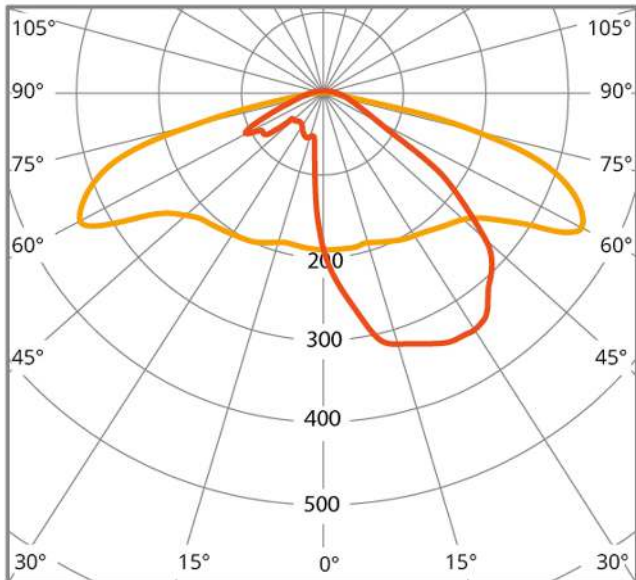
cd/klm    ■ C0 - C180    ■ C90 - C270     $\eta = 96\%$   
Light distribution curve

## T2



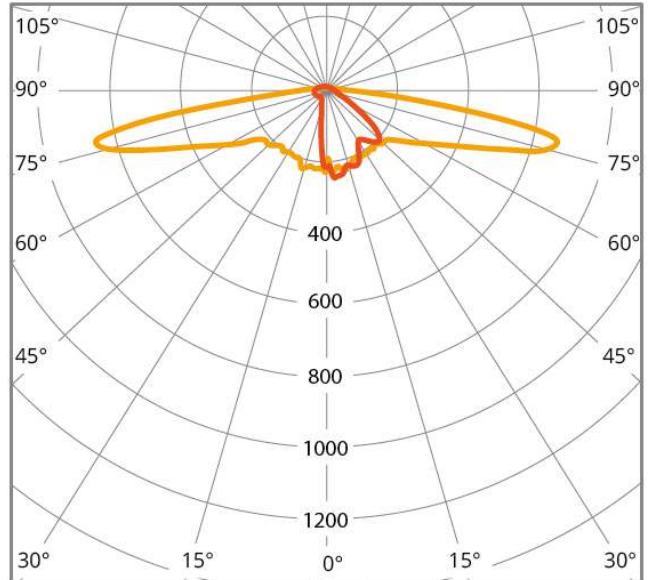
cd/klm    ■ C0 - C180    ■ C90 - C270     $\eta = 90\%$   
Light distribution curve

## T3



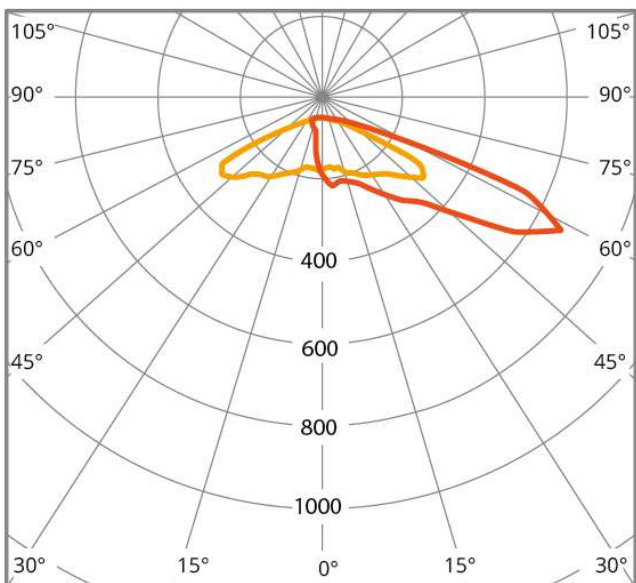
cd/klm    ■ C0 - C180    ■ C90 - C270     $\eta = 92\%$   
Light distribution curve

## SCL



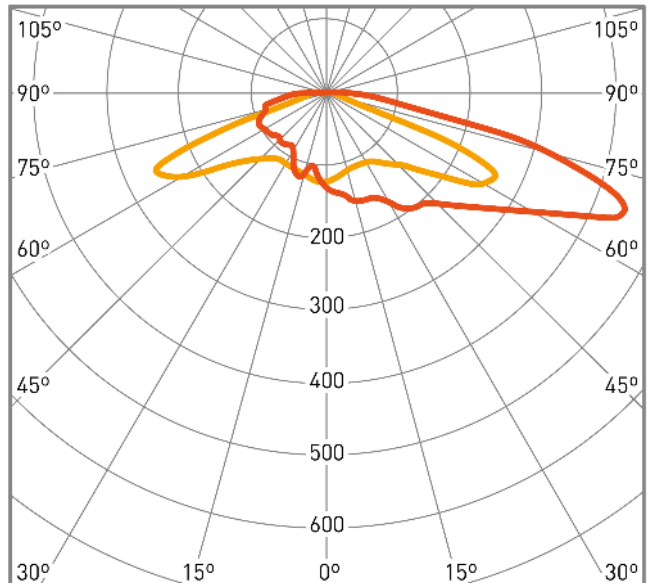
cd/klm    ■ C0 - C180    ■ C90 - C270     $\eta = 86\%$   
Light distribution curve

## 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

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### Balance between tradition and modernity



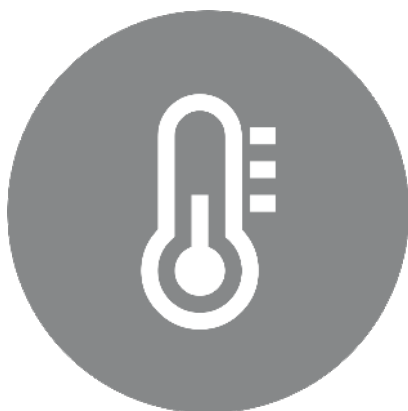
The Fernandina luminaire combines the latest LED technology with neoclassical and ornamental aesthetics, subtly integrating itself into historical and monumental areas. In this way, the advantages of LED technology, such as savings, efficiency and durability, are exploited while maintaining harmony with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

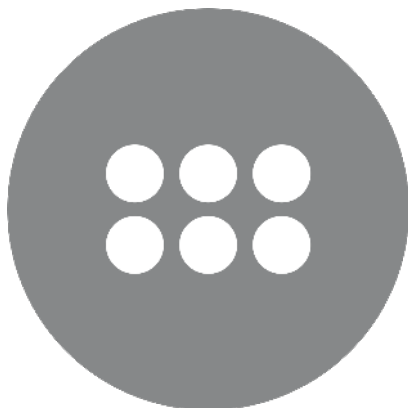


Each situation requires specific lighting features, that's why our luminaires offer multiple alternatives to meet the needs of each context:

- A wide selection of highly homogeneous colour temperatures (SDCM<3): PC Amber, 2,200, 2,700, 3,000 and 4,000°K
- 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.

## Televés 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.

## 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 light 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						
Colour						Black						
Material						Aluminium						
Material cover						Without cover						
Fixation Material						Aluminium						
Mounting method						Post top						
Surface protection						Powder coating						
Surface facing the wind	m <sup>2</sup>					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	°C					40						
Min. Operating temperature	°C					-35						