

Urban Alameda Luminarie Z-Series 24LED 40W

Luminaires with a fresh style to enhance lighting in the heart of cities

Decorative urban luminaire made of die-cast aluminium.
The Urban Alameda series has a compact design with smooth geometric lines, which integrates harmoniously with the environment, making it perfect for urban and residential spaces.
The contemporary and elegant style of the Urban Alameda luminaire adapts to a multitude of applications in outdoor areas. Its design centred on its v-shaped arms is perfect for environments that require homogeneous ambient lighting, such as parks and gardens, always respecting the quality of the night sky, avoiding the emission of luminous flux towards the upper hemisphere of the luminaire.
It stands out for its easy installation and maintenance without the need of tools. In addition, its high-quality tempered glass protector favours visual comfort and reduces glare.

The Z series offers maximum flexibility by incorporating a standard Zhaga Book 18 connector that enables Plug&Play connection with remote management nodes and facilitates sensor integration. It also offers CLO (Constant Lumen Output) regulation, NFC programming and 5-step multi-level pre-programmed dimming.
In addition, this open interface allows the Z series to be connected to remote management systems, combining the possibilities of full integration with additional sensors. It incorporates D4i-certified drivers and DALI2, Ready2Mains and U6Me2 communication protocols over the power line. Thus, our luminaires can be seamlessly integrated iinto Smart City projects project..

Ref.	66191300

Other features	
Number of LEDs	24
Lighting control	Remote control

Physical data	
Net weight	8,200.00 g
Gross volume	71.20 dm³

Power	40.00 W

Gross weight	10,000.00 g
Width	550.00 mm
Height	526.00 mm
Depth	550.00 mm
Main product weight	8,200.00 g

Packaging info	
Box	1 pcs.

Highlights

- **Design and quality:** die-cast aluminium body with high quality tempered glass closure and compact and stylish design with geometric lines
- **100% electrical safety:** Class II with no need for grounding and SELV certified
- **Quick and tool-free maintenance:** with electrical disconnection on opening
- **Energy saving:** long maintenance-free service life, which increases savings compared to other technologies, achieving savings of up to 80%
- **Supports the quality of the night sky:** in accordance with the IAC (Instituto de Astrofísica de Canarias) requirements, the luminaire is suitable for areas of special protection against light pollution (flux emission to the upper hemisphere < 0.1%)
- **Quality guarantee:** technology designed and manufactured in our state-of-the-art facilities, in collaboration with national and local providers, ensuring total control, with accurate 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

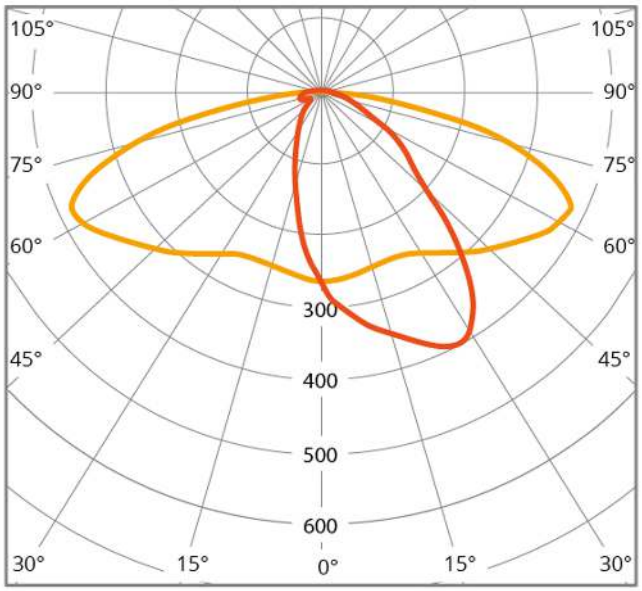
- UA – *Urban Alameda*
- 24 – *24 LEDs*
- 18 – *Colour Temperature: PC Amber*
- D – *Dimming included*

- 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**	*Black*	**53**	*53W*
		22	*2200K*	**D**	*Dimming*	**D90**	**xx**	*Custom*	**39**	*39W*
		27	*2700K*			**T2-C90**				
		30	*3000K*			**T3-B90**				
		40	*4000K*							

Graphic documentation

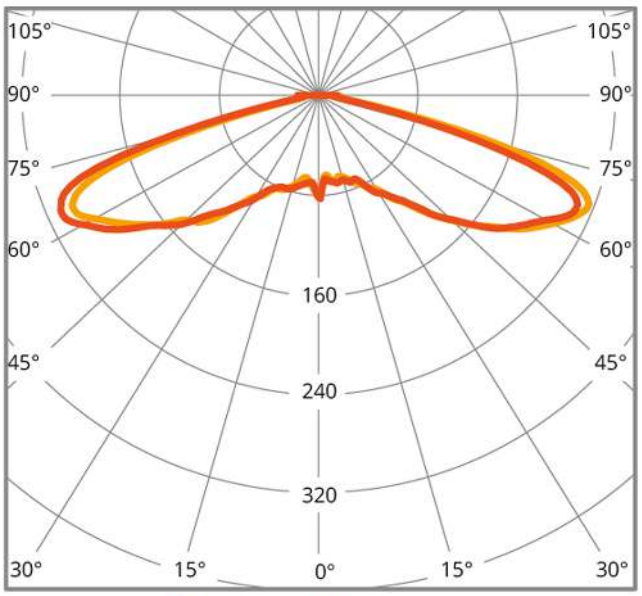
D90



cd/klm C0 - C180 C90 - C270 η = 100%

Light distribution curve

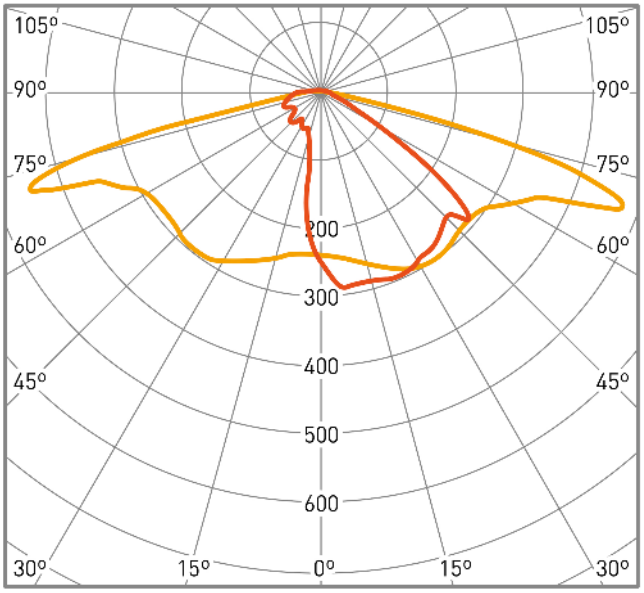
SP



cd/klm C0 - C180 C90 - C270 η = 96%

Light distribution curve

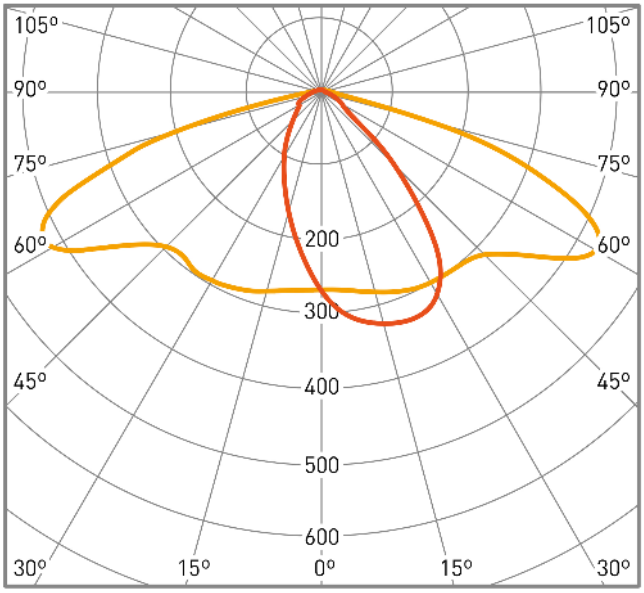
T3B-90



cd/klm C0 - C180 C90 - C270 η = 95%

Light distribution curve

T2C-90



cd/klm C0 - C180 C90 - C270 η = 89%

Light distribution curve

Features



Fresh, rust-free design that lasts over time

The Urban Alameda luminaire consists of a circular die-cast aluminium body with a modern and stylish design that blends perfectly into urban and residential environments.
Its high quality tempered glass enclosure improves visual comfort and reduces glare, providing the appropriate amount of light for each situation.

On the other hand, the quality is shown in the luminaire's high durability. Thanks to the 6063 T5 aluminium heatsink, which ensures excellent thermal management of the LED modules, the luminaire's service life is extended and efficiency is improved.



Quick and tool-free maintenance

The Urban Alameda series features an optimised design to allow any maintenance task to be carried out quickly and without the need of tools. The casing includes a locking system to fix the cover of the luminaire, making easier the replacement on site of its components. In addition, its light weight makes it easy to handle during installation and manipulation of the luminaire.



Maximum security

The Urban Alameda luminaire 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.

In addition, Urban Alameda includes an automatic disconnection system, which shuts off the electric current when the luminaire is opened. This avoids the risk of electrocution when manipulating the luminaire.

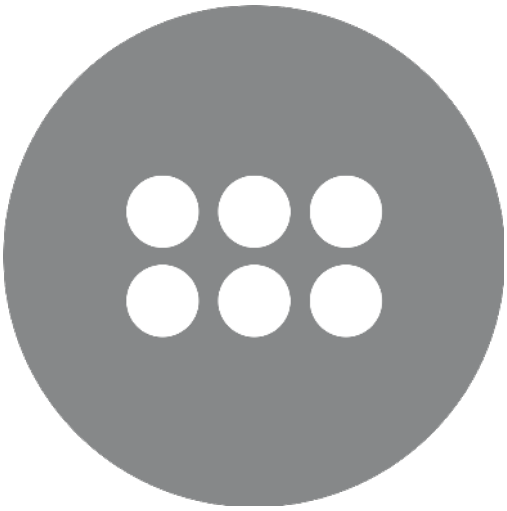


A world of possibilities

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
- 4 different types of optics are available to achieve lighting adapted to any environment: SP, D90, T3-B90 and T2-C90
- 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

This range is equipped with D4i (Digital Illumination Interface Alliance) certified drivers, which have the ability to store luminaire data. At the same time, D4i defines how to feed from the driver to other DALI2 devices connected through the bus, simplifying communication with sensors.
All Z Series luminaires are DALI2 and CLO dimmable and include the standard Zhaga Book 18 socket, which allows Plug&Play connection with remote management nodes and the integration of multiple sensors (presence, twilight, noise, air quality...).



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.

Mounting details

Tool-free top opening for access to electronics and LED module. Electrical disconnection on opening to minimise the risk of electrocution.

It's quick and easy to assemble using the V-shaped arms.
It is adaptable to poles and columns from Ø 42 to 60 mm, adapters are available for other tube diameters.



Televes®

Technical specifications : Ref. 66191300

Number of leds		24				
Power	W	40				
Pre-programmed dimming		Yes				
Control interface		Dali 2				
Node/sensor connection type		1x Zhaga				
Optic type options		SP	D90	T2C90	T3B90	
Lens type		PC lens	PMMA lens	PMMA lens	PMMA lens	
Color temperature options		2200K	2700K	3000K	4000K	PC Amber
Luminous flux	lm	4200	4600	4800	5120	1680
Lighting efficiency	lm/W	105	115	120	128	42
LED current	mA	250	250	250	250	500
Duration	h	100000				
Working life		L90B10				
Constant ligh output (CLO)		Yes				
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)		8				
IK Rating (whole luminaire)		8				
IP Rating (light module)		66				
IP Rating (whole luminaire)		66				
Color		Black				
Material		Aluminium				
Material cover		Transparent plastic				
Fixation Material		Aluminium				
Mast diameter Max	in	3.15				
Mast diameter Min	in	1.654				
Mounting method		Post top				
Surface protection		Powder coating				
Surface facing the wind	m^2	0.211				
Number of LED modules		2				
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	54				
Input voltage Max	Vac	240				
Input voltage Min	Vac	220				
Mains frequency		50 Hz				
Max. Operating temperature	°F	104				
Min. Operating temperature	°F	-31				