Urban Maia Luminarie N-Series 24LED 53W

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



Decorative urban luminaire made of die-cast aluminium.
The Urban Maia series has a compact design with smooth geometric lines, which integrates harmoniously with the environment, making it perfect for urban and residential spaces.
Urban Maia is designed with a lateral arrangement, perfect for areas that require a specific light distribution, such as streets, avenues, housing estates... With Urban Maia, perfect visual conditions are guaranteed, maintaining the quality of the night sky, while at the same time taking care of the aesthetics of the environment thanks to its modern and elegant style.
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 N series offers maximum flexibility by adding dimming connectors under ANSI C136.41 NEMA standard, which allows a plug&play connection to remote management nodes and thus provides the ability to connect to IoT infrastructures.
Furthermore, this open interface allows the N Series to be connected to any remote management system, combining the possibilities of full integration with additional sensorisation. Thus, our luminaires can be perfectly integrated into any Smart City project

Ref.	63180400

Other features	
Number of LEDs	24
Lighting control	Remote control
Power	53.00 W

Physical data	
Net weight	8,500.00 g
Gross volume	71.20 dm^3
Gross weight	10,200.00 g
Width	516.00 mm

Packaging info	
Box	1 pcs.

Height	226.00 mm
Depth	617.00 mm

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

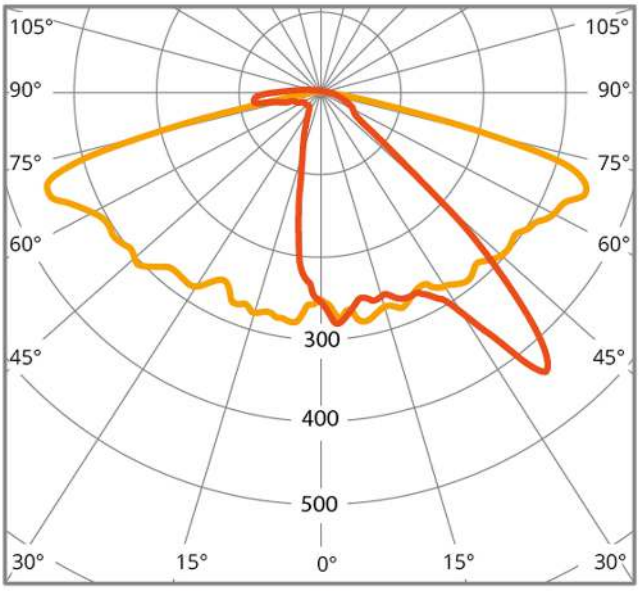
- UA – *Urban Alameda*
- 24 – *24 LEDs*
- 18 – *Colour Temperature: PC Amber*
- D – *Dimming included*

- 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

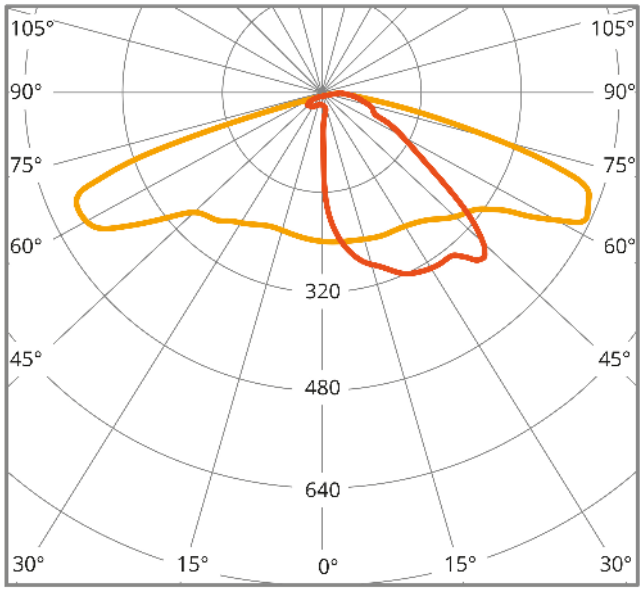
ME



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

Light distribution curve

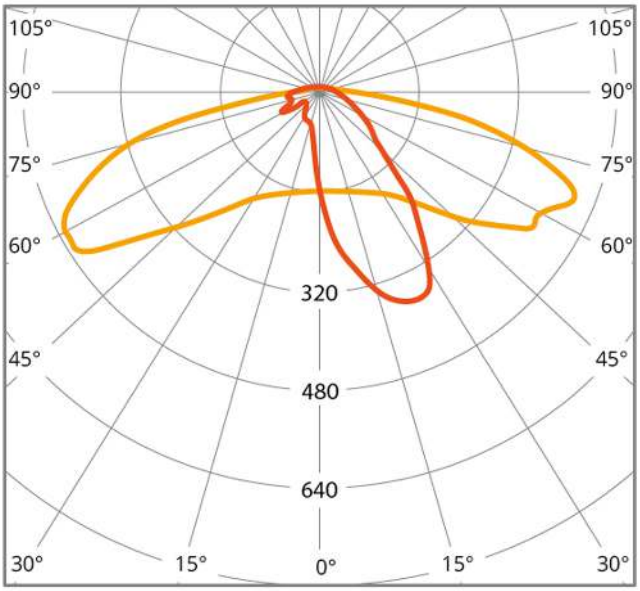
P



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

Light distribution curve

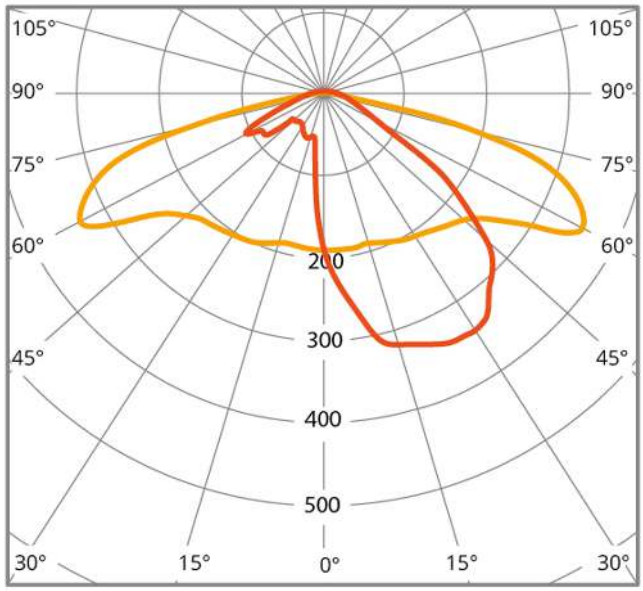
T2



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

Light distribution curve

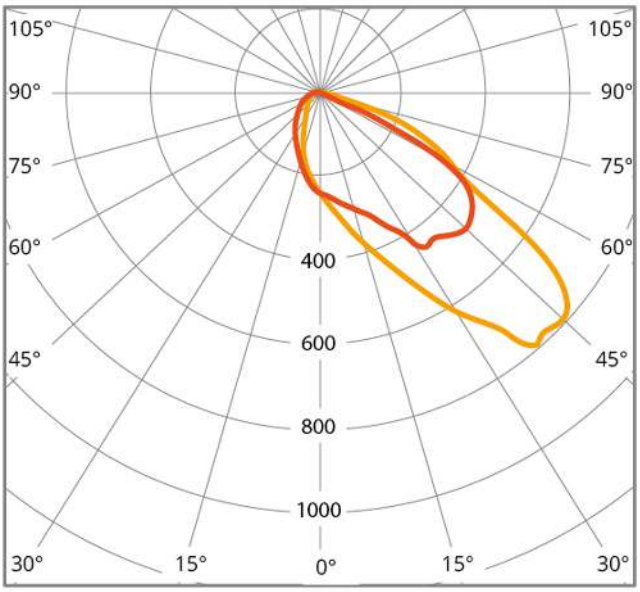
T3



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

Light distribution curve

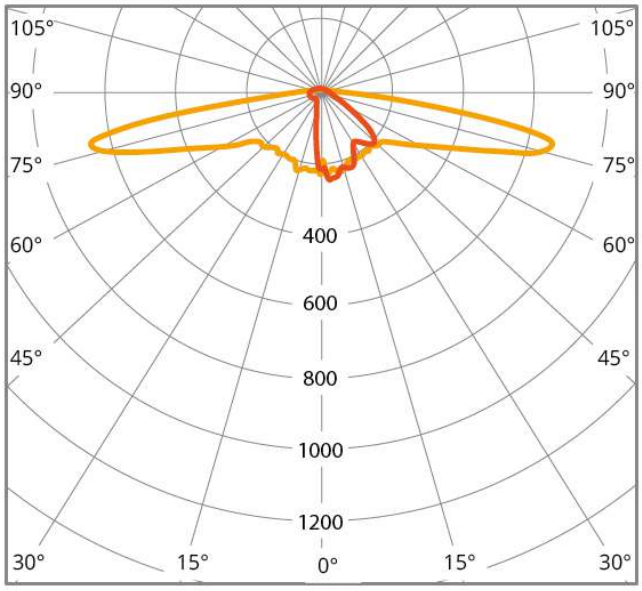
PX



cd/klm C0 - C180 C90 - C270 $\eta = 100\%$

Light distribution curve

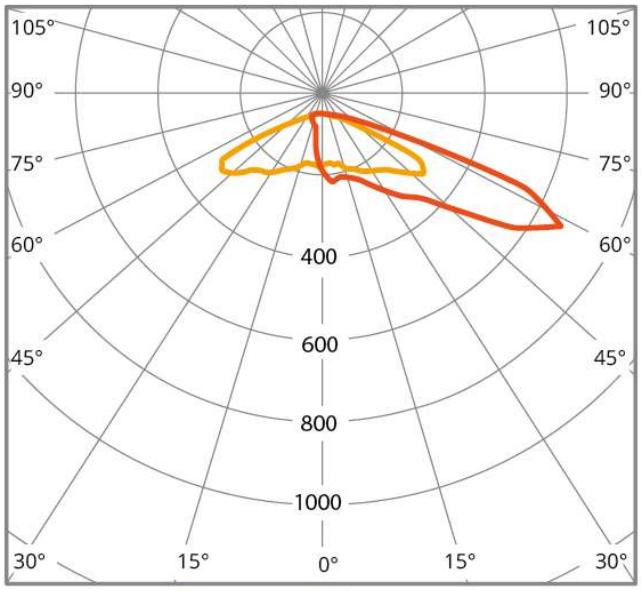
SCL



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

Light distribution curve

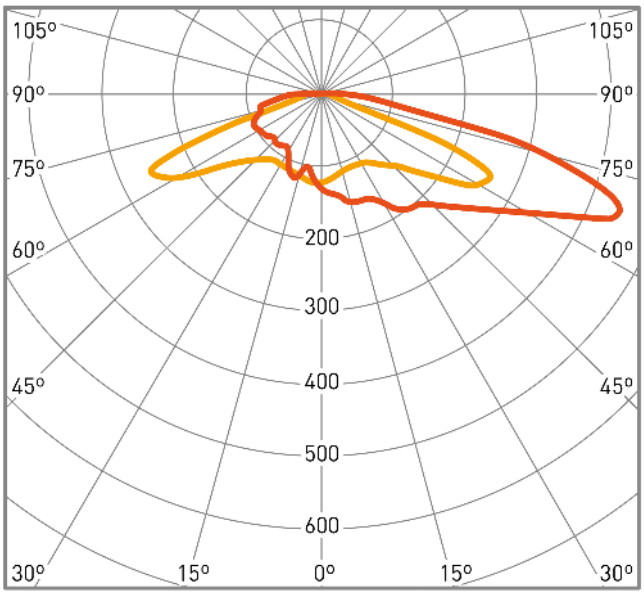
APZ



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

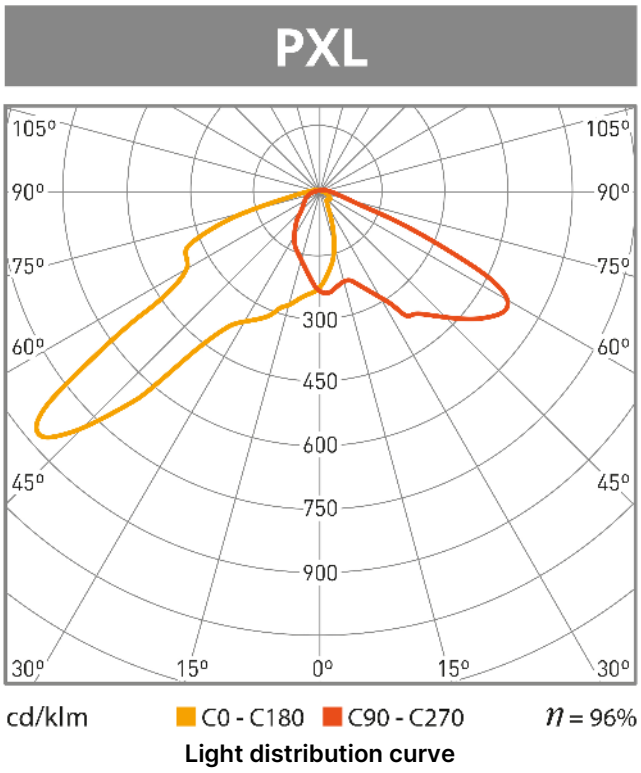
Light distribution curve

T4



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

Light distribution curve



Light distribution curve

Features

Fresh, rust-free design that lasts over time

The Urban Maia 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 Maia 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 Maia 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 Maia 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.

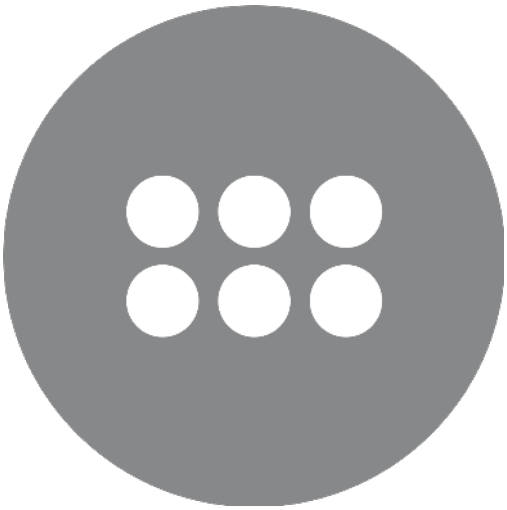


A world of possibilities

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
- 9 different types of optics are available to achieve lighting adapted to any environment: P, ME, T2, T3, T4, APZ, SCL, PX and PXL
- 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

N 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. Luminaires of this series include the ANSI C136.41 NEMA standard socket that allows Plug&Play connection with remote management nodes and the integration of several 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.

Assembly is quick and easy by means of a strong, durable and unique accessory for vertical and horizontal installation. The position gradation can be adjusted up to 90º.
It is adaptable to poles, columns and arms from Ø 42 to 60 mm, adapters for other tube diameters are available.


90°
45°
0°
-45°
-90°
-90° ... 90°

Televes®

Technical specifications : Ref. 63180400

Number of leds		24							
Power	W	53							
Pre-programmed dimming		No							
Control interface		1-10V							
Node/sensor connection type		1x ANSI C136.41 Nema							
Optic type options		P	T2	T3	ME	APZ	PX	SCL	T4
Lens type		PC lens	PC lens	PC lens	PC lens	PC lens	PMMA lens	PC lens	PC lens
Color temperature options		2200K		2700K		3000K	4000K		PC Amber
Luminous flux	lm	5671		6201		6466	6890		2650
Lighting efficiency	lm/W	107		117		122	130		50
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)		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	2.362							
Mast diameter Min	in	1.654							
Mounting method		Post top/side entry							
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							