Maxi Floodlight 48LED 150W

Lighting for sports facilities and large areas



Maxi Floodlights are high performance luminaires with large luminous power. They have the ability to direct the luminous flux at a specific angle with great precision, exposing only the area of interest to the illumination provided.
Maxi floodlights are specially designed to illuminate large sports surfaces, perfectly meeting the visual requirements necessary for sports practice, even for top-level competitions. Their performance stands out in indoor installations, where intensive operation is required throughout the day, and an atmosphere as natural and pleasant as possible must be maintained.
Even if their main use is for sports areas: tennis courts, swimming pools, sports centers, etc., their functional design is also suitable for a wide variety of indoor and outdoor applications: traffic circles, parking lots, shopping malls, industrial areas, etc.
Maxi floodlights have different configurations of power and number of LEDs, adapting perfectly to different spaces. They provide high quality lighting and great energy efficiency covering the lighting demands of the space, athletes and spectators.
In addition, our commitment to the quality of the night sky and responsible lighting is clear. Thanks to a correct orientation of the light, we can reduce the light impact of Maxi floodlights, directing light exclusively to the points of interest and avoiding unnecessary light emissions towards the upper hemisphere of the luminaire.

Ref.	67310000

Other features	
Number of LEDs	48
Lighting control	No dimmable
Power	150.00 W

Physical data	
Net weight	7,000.00 g
Gross volume	48.00 dm^3
Gross weight	8,800.00 g
Width	417.00 mm
Height	108.00 mm
Depth	338.00 mm

Packaging info

Box	1 pcs.	Main product weight	7,000.00 g

Highlights

- **Durability and resistance:** compact extruded and anodised aluminium structure, corrosion resistant even in the most aggressive environments, successfully passing resistance tests against severe conditions of use (EN 60598-1:2015)
- **Vibration resistance:** robust structure tested against vibrations (EN 60068-2-6:2008)
- **Quick return on investment:** the high light efficiency provides substantial energy savings of up to 80%
- **Minimizes maintenance costs:** due to its long working life and easy component replacement
- **Perfect thermal management:** heat conduction and convection are favoured by the dissipation curves of the luminaire structure
- **High luminous efficiency**
- **Simple replacement of existing light points:** easy connection and installation without opening the luminaire
- **LED multi array modules:** selection of corresponding BINs with 3-step McAdam ellipse (SDCM <3) and maximum efficiency
- **Driver certificated ENEC**
- **100% made in Televes:** technology designed and manufactured in our cutting-edge facilities, guaranteeing total control, with demanding quality monitoring, over each of the production phases

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

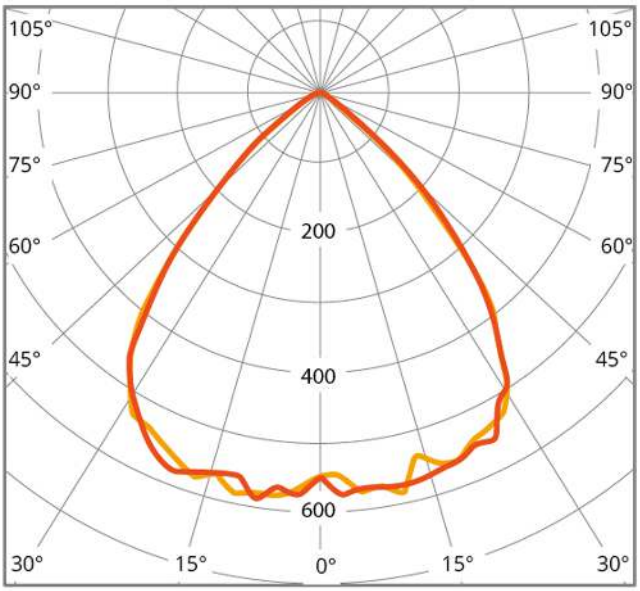
- UA – *Urban Alameda*
- 24 – *24 LEDs*
- 18 – *Colour Temperature: PC Amber*
- D – *Dimming included*

- 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

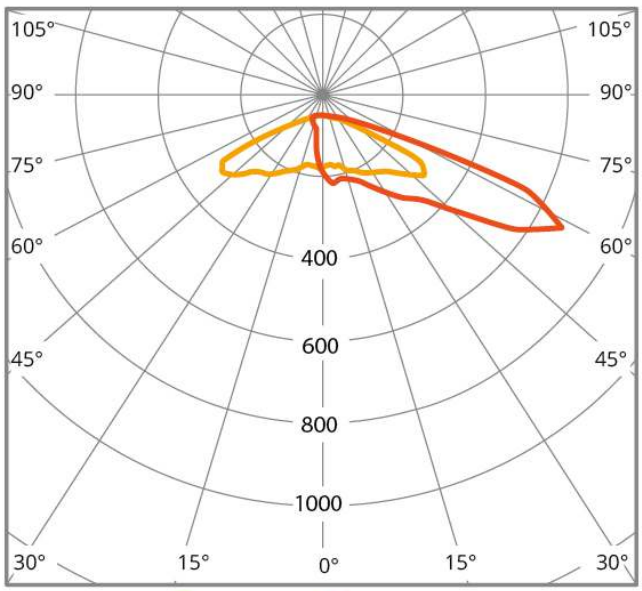
S90



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

Light distribution curve

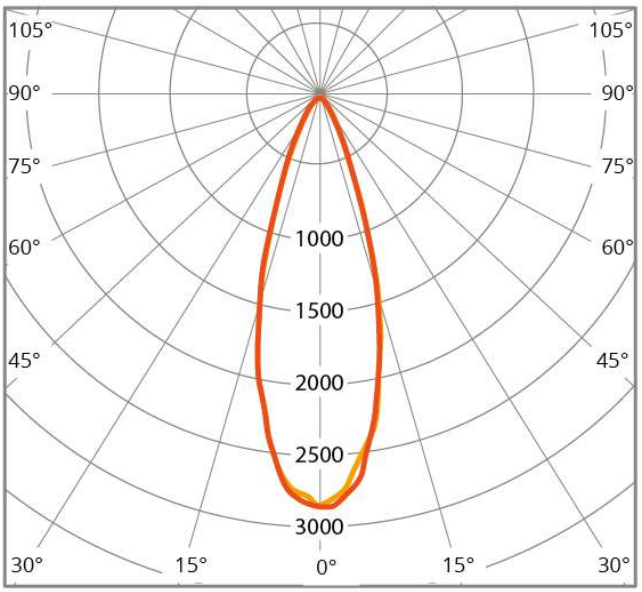
APZ



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

Light distribution curve

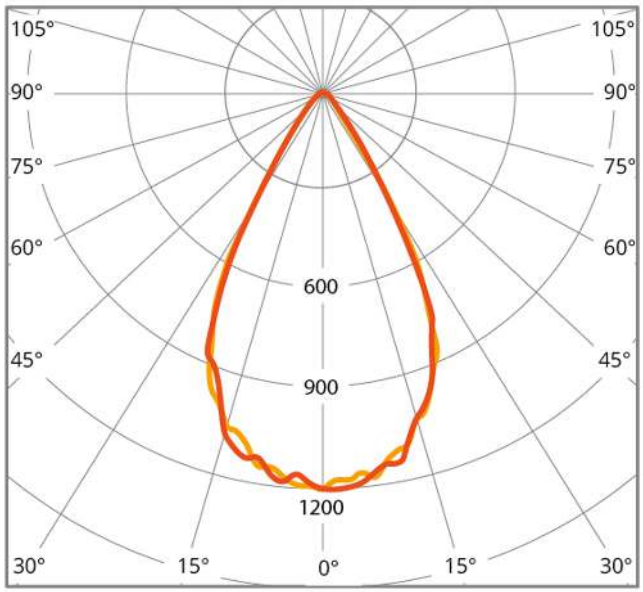
S30



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

Light distribution curve

S60



cd/klm C0 - C180 C90 - C270 $\eta = 99\%$

Light distribution curve

Features



Uniform illumination without shadows or glare

Uniformity of light is an essential requirement in any application, being critical in sporting events. With Maxi floodlights, high quality uniform illumination is achieved, without glare or shadows, creating a pleasant and comfortable sporting space for both athletes and spectators. It is essential to have the right combination of the different optics to be projected, which are determined by the lighting studies previously carried out.



Resistance to extreme conditions

The reliability of floodlights is a critical factor in ensuring the safety of users while maintaining correct illumination. Maxi floodlights have successfully passed resistance tests against severe conditions of use (EN 60598-1:2015) and against vibrations (EN 60068-2-6:2008). This, together with the quality of the materials and the meticulous traceability of the manufacturing process, guarantees optimum performance, minimizing the possibility of lighting interruption.



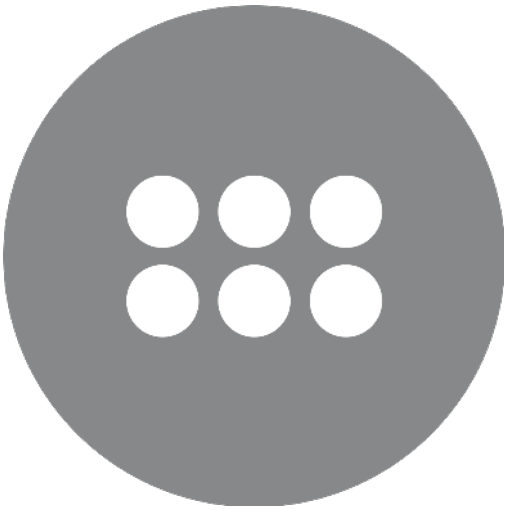
Flawless thermal management

The structure of the Maxi floodlight consists of an aluminium enclosure with dissipation curves that form part of the chassis itself and favour heat conduction and convection. In addition, the sealed driver and the LED modules are placed in two independent compartments, preventing heat transfer between them.
The thermal protection of the electronics maximises the useful life of the luminaire (L90B10 > 100,000h at 25ºC) and improves its efficiency (up to 155 lm/W).



Great return on investment

Thanks to its long service life and easy replacement of components, the use of the Maxi floodlight minimizes maintenance work. This, combined with the high efficiency of LED technology, results in reduced costs and a quick return on the initial investment.



A floodlight for all situations

The Maxi floodlight is presented as a highly versatile lighting solution that adapts to all types of contexts.
Its aesthetics combine simplicity with functionality, making it ideal for sports facilities (tennis courts, swimming pools, sports centers...), industrial areas (warehouses, factories, logistics...) and various outdoor areas (shopping centres, industrial areas, parkings...).



Design and manufacture 100% made in Televes

Our cutting-edge facilities include all the means for the creation of this luminaire, from start to finish. This involves everything from the electronic and mechanical design, using advanced simulation processes, to the manufacture of the circuits, boards and all the elements of the chassis, using meticulous construction processes and assembly on robotised lines. An in-house design and manufacturing process also offers other advantages, such as quality verification at every point of development.



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, 3,000, 4,000, 5,000 and 5,700ºK
- 4 different types of optics are available to achieve lighting adapted to any environment: S30, S60, S90 and APZ
- Variety of finishes in any colour of the RAL range
- CRI>70 and available on request CRI>80 and CRI>90
- 1-10V and DALI regulation models are available, fully compatible with presence detection and lighting control solutions depending on the needs of the installation

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.

Technical specifications

Ref. 67310000

Number of leds		48				
Power	W	150				
Pre-programmed dimming		No				
Control interface		ON/OFF				
Optic type options		S30	S60	S90	APZ	
Lens type		PC lens	PC lens	PC lens	PC lens	
Color temperature options		2200K	2700K	3000K	4000K	PC Amber
Luminous flux	lm	18000	19500	20250	22500	9300
Lighting efficiency	lm/W	120	130	135	150	62
LED current	mA	450	450	450	450	900
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 I				
EU RoHS Compliant		Yes				
IK Rating (light module)		10				
IK Rating (whole luminaire)		10				
IP Rating (light module)		66				
IP Rating (whole luminaire)		66				
Color		Aluminum				
Material		Aluminium				
Material cover		Without cover				
Fixation Material		Aluminium				
Mounting method (Floodlights)		Wall / Traverse / Pedestal/Floor				
Surface protection		Anodized				
Surface facing the wind	m^2	0.16				
Number of LED modules		4				
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	65				
Input voltage	Vac	220 ... 240				
Mains frequency		50 Hz				
Total harmonic distortion (THD)		20				
Max. Operating temperature	°F	104				
Min. Operating temperature	°F	-31				