

Televes®

LED LIGHTING CATALOGUE



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Televes Corporation®



Televés evolution has always been driven by the innate determination to remain at the cutting edge of technology and provide the best products and solutions. The company's journey started in 1958 as an antenna manufacturer, eventually consolidating as an international leader in the provision of solutions for the capture and distribution of radio and television signals. Soon the sector forced to focus the company's technological knowledge on other complementary areas, such as DTT coverage extension, professional measuring equipment, or new technologies for the distribution of audio-visual services.

To achieve an efficient technological specialization, the creation of specific companies to serve these sectors in a customized manner was recommended. In 1989 the Televés Corporation concept was born, putting a secure business, finance and industrial environment to the service of companies that concentrated in specific technologies.

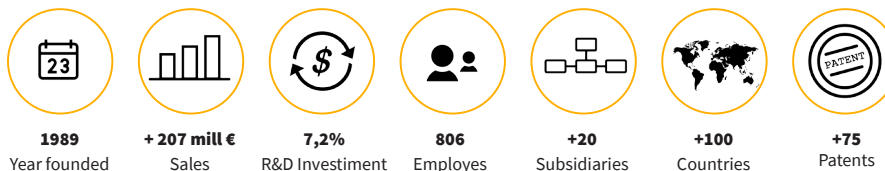
This never-ending technological specialization is our motivation for growth. We have recently taken a leap forward in diversification, with our positioning as service facilitators via the telecommunications infrastructures of buildings and homes, namely social and health care, safety and energy efficiency services. This technology lever also allows us the access to highly competitive and dynamic alternative sectors, such as aviation, automotive, or smart cities.

To this day, growth and multisector specialization have translated into a multinational Corporation consisting of 22 industrial and service firms.

Technological development, cutting-edge manufacturing, and the passion for quality.

Televés is much more than a leading firm in the television signal reception and distribution arena. It is the main brand within a group of companies that control several niche markets in the telecommunication infrastructures industry.

Televés Corporation groups more than 20 companies, all geared toward the common objective of designing and manufacturing the best equipments used to equip homes, buildings and cities with optimum telecommunication infrastructures.



Televes®



Televés is a worldwide technology company specializing in the design, development and manufacture of telecommunication infrastructure solutions for homes, buildings and cities.

Its headquarters are located in Santiago de Compostela (Spain), where the company was founded in 1958. Nowadays, Televés is the head of a corporation formed by more than 20 industrial and service companies, has more than 700 employees and 75 invention patents. Televés has 11 international subsidiaries covering Portugal, France, United Kingdom, Italy, Germany, Poland, Scandinavia, Russia, United States, China and United Arab Emirates, and it makes its products available in more than 100 countries over 5 continents, by using its extended distributor network.

With nearly 60 years of experience, Televés has launched more than 1,500 different products, an achievement explained by the authen-

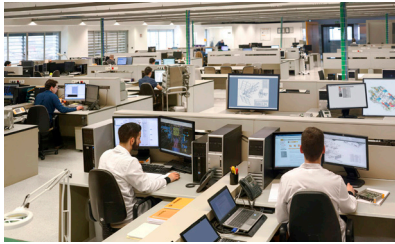
tic passion for manufacturing. The company manufactures in its own facilities to guarantee maximum quality. It's also a pioneer in setting up 4.0 production lines with its own certification and quality control laboratories. In this way, our products proudly display the European Technology Made in Europe label.

Like any market leading company, Televés is constantly evolving , in line with the European Digital Agenda and the 2020 research and Innovation framework. In parallel with its profile as a telecommunication infrastructure specialist, Televés has developed complementary businesses that operate as service facilitators and through this infrastructure help build the Digital home.

TELEVÉS FINANCIAL DATA



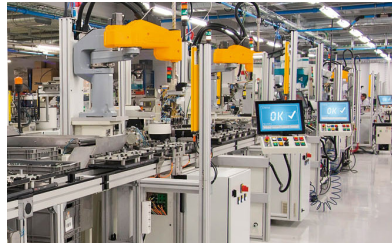
FOUNDATIONS



R&D

A constantly evolving team

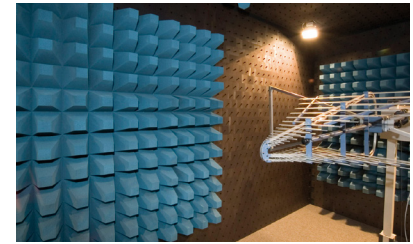
The focus on innovation is a part of the Televes Corporation DNA. Over 80% of our products were developed with proprietary technology, and we have over 200 international patent and utility model certificates. Over 60 engineers work at our Technology Centre, where our innovation resources are concentrated.



PRODUCTIVITY

Cutting-edge technology

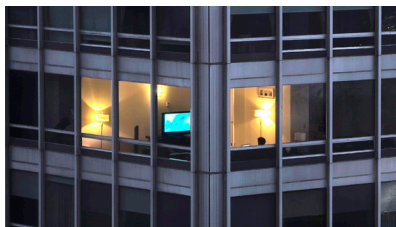
We have pioneered the introduction of cutting-edge technologies, such as Surface Mount Device systems (SMD) and automated lines, the main example of which is the launching of the TForce technology. We are currently working on the implementation of the Industry 4.0 model. All this effort results in high productivity rates, which in turn allow us to maximize the competitiveness of our products and solutions.



QUALITY

A passion for detail

We have our own certification laboratory, unique in the industry, where we carry out multiple tests, from electromagnetic compatibility or electrical safety to temperature, wind or humidity tests. Our products and components undergo ageing tests under extreme environmental conditions to test for durability.



TV DISTRIBUTION

Broadcasting service distribution has always been our core business.



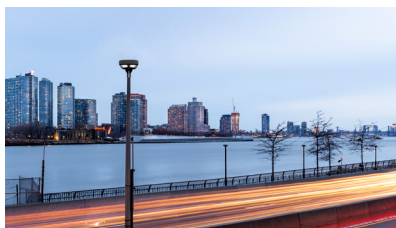
HOSPITALITY

Efficient and ubiquitous internet access in a high capacity multiservice network infrastructure.



SOCIO SANITARY

Telecare solutions with intelligent technology in extreme environments to check their durability.



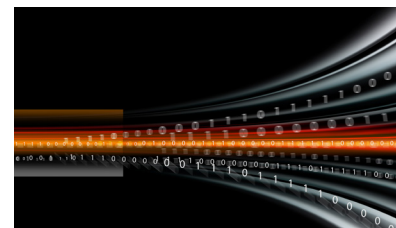
PROFESSIONAL LED LIGHTING

Development and manufacture of luminaires for industrial environments.



DATACOM

Products and solutions for cabling and networking applied to residential, business and hospitality environments' for the installer and system integrators.



OPTICAL TRANSPORT

Solutions for high-capacity, high-availability, maximum efficiency and minimum latency optical networks, from 1Gbps to 1.2Tbps.

REMOTE MANAGEMENT PLATFORM

AURANT
LIGHTING MODULE



The first step towards your Smart City

Take over in a simple and reliable way, ensuring significantly lower consumption, while getting the best lighting service. Aurant lighting modules include a platform designed to manage the whole lighting network remotely in a practical and efficient way.

Connected and intelligent lighting that will let you **cut down on expenses, as well as ensure comfort and safety** by adapting light to the people's real needs.

Make the most of the lighting network with our Aurant technology, fully developed at Televés. Get to control large infrastructures featuring many light points, or even manage few points remotely with little investment.

What are the advantages of Aurant?



1. Big savings, small changes:

By gradually dimming the lights, we can go one step forward in achieving energy efficiency, with no impact on the citizens' perception whatsoever. Benefits brought by the lighting management are, then, twofold. Smooth and simple performance that will adapt to the citizens' changes of habits.



2. Reduction in carbon footprint:

Intelligent lighting reduces energy costs by lowering intensity levels when they are not needed. This helps us reduce CO₂ emissions to take care of our planet.



3. Enhanced lighting service:

Invest in comfort and safety by adapting lighting to the citizens' needs. Light up right where and when you need it by enhancing light levels in specific places of the network, preventing a whole line of luminaires from being affected. Thanks to ongoing monitoring, we can address incidences right away, even before your neighbors can notice.



4. Great network scalability:

Aurant lighting module is the go-to choice to manage from small projects – featuring very few light points – to great cities with thousands of luminaires. Thanks to our platform, growth has no limits.



5. High compatibility:

Designed according to standards and based on neutral technology, Aurant lighting module is so flexible that they can manage our own luminaires and other brands'. Easy integration helps implement the service, so there is no need to change the whole network. Our open platform can be also integrated into third-party applications and is compatible with any communication technology.



6. Optimized network maintenance:

Early identification of each point of failure allows planning of maintenance routes, replaying quickly to any incident and reducing time and costs.



7. Commitment to responsible lighting:

With a proper and intelligent management, we can reduce light pollution and protect the night-sky darkness and the biodiversity of the environment.

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<https://aurant-lighting.televes.com/>

CIES

ECOLOGICAL LIGHTS MADE OF TECHNICAL POLYMER INVULNERABLE EVERYWHERE

CIES is the first series of luminaires manufactured in technical polymers specially formulated by Televes, combining design, mechanical and materials engineering and the latest electronic technology to satisfy the most demanding customers.

This series provides a breakthrough solution in the lighting market, perfect for the most aggressive environments and optimizes operation, installation and maintenance.



REMOTE MANAGEMENT



ROAD AND
INTERURBAN



MARITIME AREA

ATMOSLED

LUMINAIRES FOR INTERCITY ROADS AND DIVERSE OUTDOOR AREAS

Highly versatile road luminaire adaptable to any outdoor environment, built in extruded anodised aluminium specially designed for perfect thermal management, optimised service life and resistance to aggressive environments.

Designed to increase energy savings and reduce maintenance costs thanks to its high efficiency and durability.



REMOTE MANAGEMENT



**ROAD AND
INTERURBAN**

URBAN

ALAMEDA | MAIA

LUMINAIRES WITH A FRESH STYLE TO ENHANCE LIGHTING IN THE HEART OF CITIES

Decorative urban luminaire made of die-cast aluminium. The Urban series has a compact design with smooth geometric lines, which integrates harmoniously with the environment, making it perfect for urban and residential spaces.

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.



REMOTE MANAGEMENT



▶ **URBAN MAIA**



▶ **URBAN ALAMEDA**



REMOTE MANAGEMENT



**URBAN AND
RESIDENTIAL**

URBAN AND RESIDENTIAL OUTDOOR LIGHTING

VILLA | FERNANDINA LAMP

**CLASSIC LUMINAIRES WITH GREAT HISTORICAL AND DECORATIVE VALUE
USING THE MOST MODERN LED TECHNOLOGY**

Luminaires of great decorative and artistic value, combining a classic and traditional line with the most advanced and efficient LED technology.

Its design offers the opportunity to preserve the historical heritage, while obtaining a better lighting, responsible and adapted to the environment. Easy to install and maintain, it is ideal for historic and urban spaces as well as residential streets, squares or parks.



▸ FERNANDINA



▸ VILLA



ORNAMENTAL

AROUSA LAMP

VANDAL-RESISTANT STAINLESS STEEL LAMPS FOR PEDESTRIAN AREAS AND GARDENS

The Arousa lamp features an integrated functionality and style, thanks to its highly durable modern design and its wide scope of illumination, when installed on columns or on a wall. Its stainless steel structure stands out for its ability to remain unalterable against vandalism and its resistance to adverse weather conditions, even in maritime environments.

Arousa aesthetic line combines lamps and bollards to illuminate parks or paths in a balanced and harmonious way.



MARITIME AREA



PATHS

CIES CROSSWALK

SMART LIGHTING FOR THE BENEFIT OF PUBLIC SECURITY

CIES Crosswalk is a smart LED lighting solution designed to improve safety at crosswalks or lightly frequented paths and trails. The luminaire uses a motion sensor to increase the illumination of the crossing area when it detects a pedestrian, thus reducing the risk of accidents and improving road safety. This presence detection makes it possible to regulate the lighting level by increasing it to the maximum when it detects passers-by and reducing it when there are no passers-by. This optimizes savings and minimizes light pollution without compromising pedestrian safety.

It also contributes to public safety if installed on streets or footpaths that are normally less frequented at night. The lighting increases detection by the pedestrian, who gains greater visibility and can more easily identify potential hazards or obstacles, improving his or her sense of security. In addition, this improved visibility acts as a deterrent to criminals, reducing the likelihood of assault or robbery.

Thanks to smart lighting, an appropriate balance between energy efficiency, public safety and environmental protection is achieved.



SENSORISED
LIGHTING



ROAD SAFETY



PATHS

FLEX FLOODLIGHT

HIGH-POWER MODULAR LIGHTING FOR PROFESSIONAL SPORTS FACILITIES AND LARGE AREAS

Flex floodlights combine excellent performance and high power in a practical modular format, up to 4 modules per bracket, optimizing resources. Thanks to their high efficiency, durability and ease of maintenance, excellent cost-effectiveness is achieved.

Its scalable design, from 1 to 4 modules on a single support and the different configurations per module (power, optics and number of LEDs), offer a range from 250 to 1200 W. A wide range of possibilities that makes Flex floodlights the right choice for any space.



REMOTE MANAGEMENT



SPORTS AREAS



SPECIAL FACILITIES

FLEX MINI FLOODLIGHT

HIGHLY EFFICIENT LIGHTING IN COMPACT DIMENSIONS

Flex Mini Floodlights offer high efficiency and excellent lighting performance in a compact and easy-to-install format. Its self-installable structure does not require any additional support. In addition, the inclination of the base and the adjustment of the angle of rotation of the floodlight allow the lighting to be directed precisely towards the area of interest, without glare or shadows.

The design of the Flex Mini Floodlights optimizes space without compromising on light power. They are ideal for smaller sports facilities that also require high levels of illumination, such as paddle and tennis courts or basketball courts.



SPORTS AREAS



TUNNELS

MAXI FLOODLIGHT

LIGHTING FOR SPORTS FACILITIES AND LARGE AREAS

Floodlights are high performance luminaires with high 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.



SPORTS AREAS

STANDARD FLOODLIGHT

ILLUMINATION THAT ENHANCES THE BEAUTY OF CITIES THROUGH LIGHT

Standard Floodlights are the perfect solution for ornamental, artistic or monumental lighting, where light acquires a highly aesthetic value. Their objective is to enhance the beauty of the objects to attract the public's attention, treating lighting as an art, through the correct management of lights, shadows, contrasts and colors.

The Standard Floodlight combines its small size with great lighting performance, subtly blending into different landscapes and emphasizing objects of interest through an intensive beam of light of high quality and high efficiency.



ORNAMENTAL

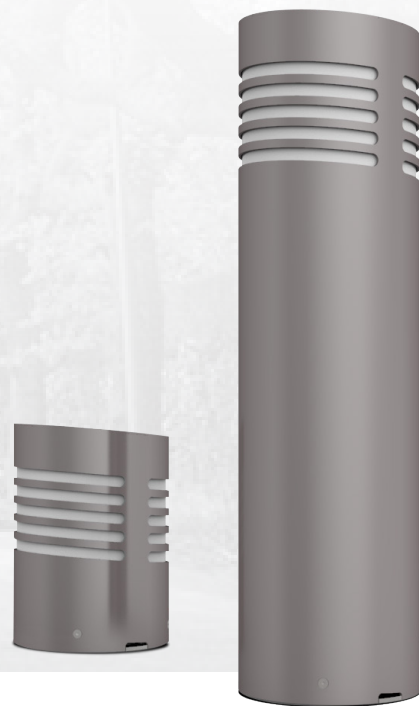
AROUSA

VANDAL-RESISTANT STAINLESS STEEL BOLLARDS FOR PEDESTRIAN AREAS AND GARDENS

The Arousa pedestal light stands out for its high resistance and ability to remain unaltered in any environment, thanks to its high protection against impacts and its colorless anti-graffiti varnish coating. In addition, its high tightness and its stainless steel body also prevent the entry of water and oxidation. Arousa is a highly durable pedestal light, customizable in different aspects, such as performance, color and finish.

The range consists of two models of different heights: S (30 cm) and L (80 cm).

Arousa aesthetic line combines lamps and bollards to illuminate parks or paths in a balanced and harmonious way.



MARITIME AREA



PATHS

INNERLED

LINEAR LUMINAIRE FOR RECTANGULAR ROOMS IN INDUSTRIAL AND PROFESSIONAL ENVIRONMENTS

High-performance, high-quality LED luminaire for indoor use. Made from extruded and anodised aluminium that increases its toughness, it is highly resistant to impact and corrosion, guaranteeing high durability.

The InnerLED structure favours thermal control of the driver and the LED module, making it suitable for intensive use without raising its temperature.

Thanks to its high efficiency and durability, InnerLED is an excellent solution for reducing energy consumption and maintenance costs, while offering impeccable lighting, creating more pleasant spaces with greater visual comfort.



INDUSTRIAL



SPORTS AREAS

ZAR HIGH-BAY LAMP

UFO HIGH-BAY FOR OPEN SPACES IN INDUSTRIAL AND PROFESSIONAL ENVIRONMENTS

Indoor LED luminaire made of die-cast aluminum specially designed for perfect thermal management, optimized service life and high efficiency.

In industrial and professional environments it is important to have appropriate lighting levels that contribute to work safety, visual comfort and productivity. ZAR high-bay is a luminaire with great capacity to illuminate large spaces that require correct lighting, reaching the most demanding light quality levels (CRI > 80).



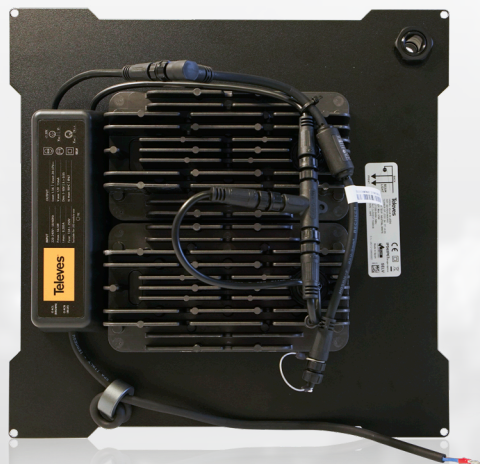
INDUSTRIAL

RETROFIT

RENOVATION TO LED TECHNOLOGY WHILE PRESERVING THE ORIGINAL STRUCTURE OF THE LUMINAIRE

Retrofit is the direct replacement of old lighting technologies with newer, more efficient ones, using the previous installations. It is the perfect lighting solution for sustainable consumption, high efficiency and high performance.

Retrofit is a safe bet in favour of ecology, as it prioritises the minimisation of waste generated by taking advantage of existing structures. It also stands out for the low consumption of LED technology and its great durability, offering responsible lighting by controlling the light emitted to the upper hemisphere of the luminaire.



▲ **RETROFIT COMPONENT**



▲ **RETROFIT Q COMPONENT**



LIGHTING RENOVATION



ORNAMENTAL

SCOPE OF APPLICATION



Road and interurban

Roads with vehicular traffic, highways, high-speed roads, freeways, traffic circles, roundabouts, toll booths.

They are specific for areas where only vehicles use them.



Maritime areas

Ports, docks, streets, promenades.

They are recommended for spaces frequented by pedestrians and vehicles in aggressive environments such as maritime areas.



Urban and residential

Urban areas, streets, promenades, parks, residential areas, housing estates.

They are ideal for areas frequented by pedestrians, but also by vehicles.



Road safety

Crosswalks in urban areas and interurban roads, pedestrian crossings near parks and schools, low use streets, cycle paths, car parks.

They are used to highlight the presence of pedestrians, increasing their visibility and thus improving road safety.



Tunnels

Tunnels, underground passages, galleries.

They have been designed to illuminate tunnels in accordance with the requirements of the different areas. They guarantee visibility, safety and visual comfort, as well as a long service life under intensive use.



Lighting renovation

All types of public lighting.

Used especially in areas where it is important to maintain the luminaires due to their historical value.



Ornamental and decorative

Monumental areas, historical areas, protected heritage, bridges, churches, walls.

Linked to ornamental and/or decorative lighting, they provide ambient lighting integrated with the decoration of the area and are also used to highlight objects through light and shadow.



Sports areas

Sports areas such as sports centres, football pitches, basketball courts, paddle and tennis courts, swimming pools.

Designed for areas where precise control and direction of light is crucial.



Paths

Walks, paths, parks, gardens, hotels, terraces.

Essential for orienting and guiding passers-by, perfect for areas that require ambient lighting to maintain visibility.



Industrial

Industrial sector, production plants, logistics warehouses.

Indispensable for indoor areas requiring strict conditions of safety, robustness and durability of the luminaires.



Special facilities

Marinas, loading docks, airports.

They stand out for their high reliability, essential in areas where it is critical to maintain adequate lighting, ensuring the visibility and safety of users.

MORE THAN 100,000 LIGHT POINTS INSTALLED



More than 60 years of experience as European technology manufacturer

www.televes.com

