

**ATP**

**SUCCESS  
STORIES**

Corrosion-immune outdoor lighting  
with a 10-year warranty

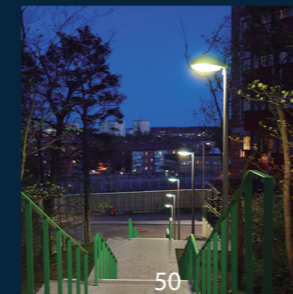
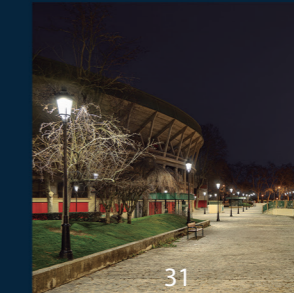
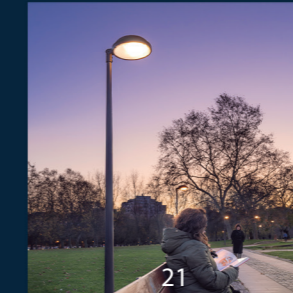


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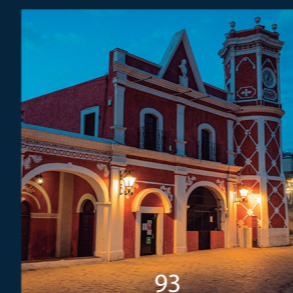
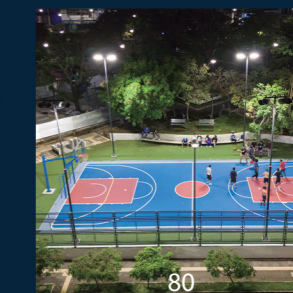
In this compilation we offer you a sample of 10 success stories of outdoor lighting projects in which ATP has provided tailor-made solutions designed to meet specific client needs and to obtain maximum lighting and energy efficiency.

This selection includes examples of lighting in historic city centres, parks, rural areas and roads, mainly with warm colour temperatures (2200 K and 3000 K), which are friendly with regards the environment and the ambience of each area.

Here you will find a sample of our most emblematic products, from the classic street lamps Siglo XLA to avant-garde luminaires such as the Aire®, as well as our KitLED® retrofitting solution.



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# TAILOR-MADE SOLUTIONS FOR EVERY ENVIRONMENT

ATP is characterised by offering tailor-made solutions for every environment. Our technological patents and our highly qualified team are at the service of lighting projects to achieve maximum sustainability, savings (energy and maintenance), safety and well-being.

Since our foundation in 1969, the company has been identifying and solving major outdoor lighting problems through continuous investment in R&D&I and in technology. This way of understanding the sector is in line with our vocation: to provide solutions which are the most advanced, most durable and which adapt most to environmental conditions, no matter how adverse they may be.

## 01 SUSTAINABILITY

We work with the long term in mind

## 02 SAVING

Maximum efficiency without maintenance

## 03 WELL-BEING

Improving comfort in the environment

## 04 SAFETY

Visual clarity without electrical risk in any environment



# INTEGRAL DESIGN OF THE PROJECT, FROM THE PRELIMINARY STUDY TO THE MANUFACTURING PROCESS

01

## STUDY

Study of the client's needs and project requirements.

02

## DESIGN

Design of tailor-made solutions:

- Type of luminaire
- Diffuser
- Customisable optics
- Power regulation
- Remote management
- Colour temperature

03

## MANUFACTURE

Manufacture and after-sales service with a 10-year warranty.

01

**YAMAGUCHI  
PARK**

**NAVARRA / SPAIN**

Yamaguchi park is a Japanese garden of 85,000 square metres located in Pamplona. This unique green area was designed in 1997 by Japanese landscapers as an allegory of the four seasons, and takes its name from the city of Yamaguchi, which is twinned with Pamplona.

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## INITIAL SITUATION

- ✗ Old lighting installation.
- ✗ High power metal halide lamps (100 W and 150 W).
- ✗ High annual consumption (72,059 kWh/year).
- ✗ High glare.
- ✗ High upper light output ratio (ULOR).
- ✗ Poor luminous efficiency.

## CLIENT OBJECTIVES

- ✓ Emit only the necessary light where it is needed.
- ✓ Control of light pollution in the vicinity of the Planetarium (ULOR 0% and warm colour temperature).
- ✓ To reduce glare and visual discomfort.
- ✓ Drastic reduction of energy consumption.
- ✓ Time profile to reduce power during off-peak hours.
- ✓ Maintain a high colour rendering index (CRI).

# TAILOR-MADE SOLUTION

## ULOR

Upper light output ratio

0 %

## CRI

Colour rendering index

> 70

## CCT

Responsible colour temperature



## RADIANT FLUX

Spectral radiant flux below 440 nm wavelength



## EVOLUCION P



# AVERAGE UNIFORMITY ABOVE THE STANDARD

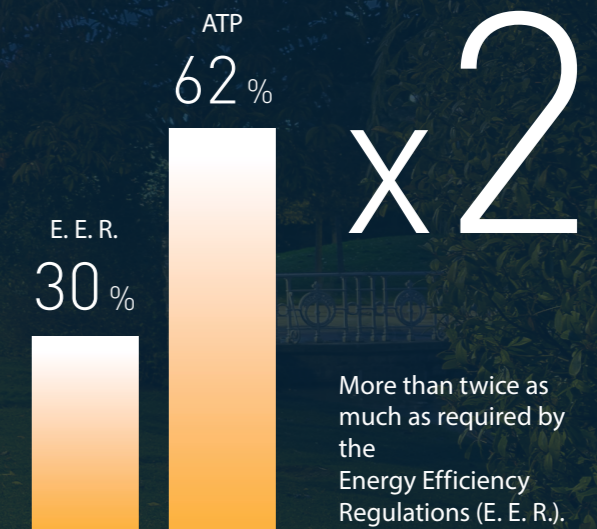
# 62%

## Efficiency gains

**25 W** We replaced 100 W and 150 W luminaires with 25 W luminaires.

Based on the results of a detailed lighting study, we designed and manufactured optics adapted to the characteristics of the environment to achieve optimum lighting with the lowest consumption.

## Increased uniformity



# ENERGY SAVINGS

89%

72,059  $\frac{\text{kW}\cdot\text{h}}{\text{year}}$



Before

7,900  $\frac{\text{kW}\cdot\text{h}}{\text{year}}$



Now



02

**VUELTA  
DEL CASTILLO  
PARK**

**NAVARRA / SPAIN**

Vuelta del Castillo park is Pamplona's main and most emblematic green area. These gardens, located on the 'glacis' or hill of the citadel and covering an area of 280,000 square metres, are widely used as an area for walking and outdoor activities.

## INITIAL SITUATION

- ✗ Old lighting installation.
- ✗ Globes with 100 W HPSV lamps.
- ✗ High energy consumption.
- ✗ Upper light output ratio >50%.

## CLIENT OBJECTIVES

- ✓ Improve the quality of light through increased CRI and uniformity.
- ✓ Reduce light pollution and mitigate glare.
- ✓ Save on electricity consumption and maintenance.
- ✓ Integrate remote management system to control the time profile and adjust the power at events and celebrations.
- ✓ Special requirement: maintain the cosy atmosphere of the HPSV lamps, but without the excessive expense of this technology or the high ULOR of the globes.

# TAILOR-MADE SOLUTION

## ULOR

Upper light output ratio

1.1 %

## CRI

Colour rendering index

> 70

## CCT

Responsible colour temperature



## RADIANT FLUX

Spectral radiant flux below 440 nm wavelength



METROPOLI LLC



# ULOR REDUCTION



Before

**ULOR**

Upper Light Output Ratio

> 50 %

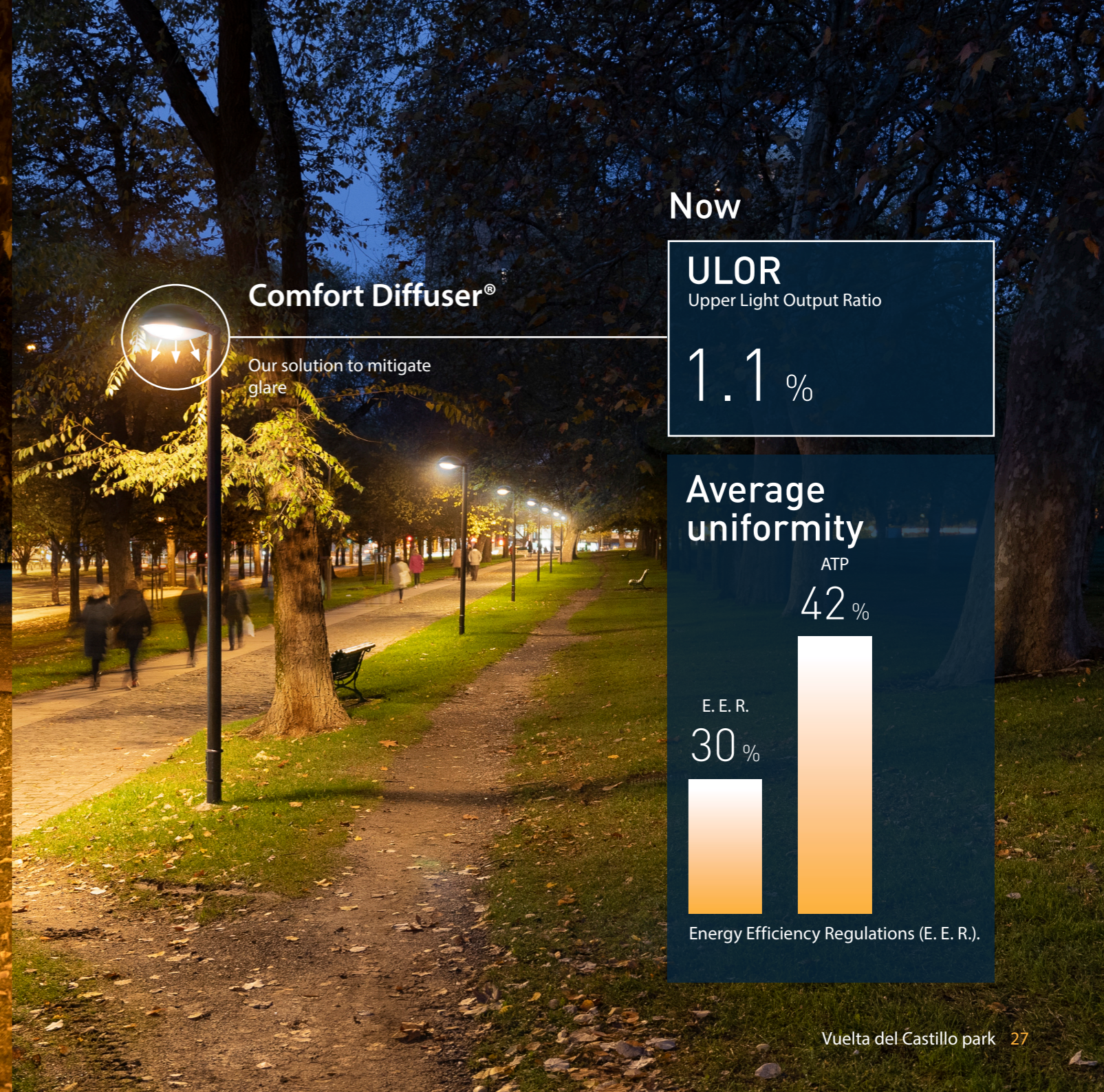
**Average  
uniformity**

E. E. R.      Previous  
30%      32%



Energy Efficiency Regulations (E. E. R.).

-50%



Now

**ULOR**

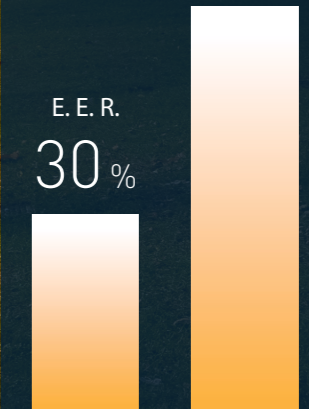
Upper Light Output Ratio

1.1 %

**Average  
uniformity**

ATP  
42%

E. E. R.  
30%



Energy Efficiency Regulations (E. E. R.).

**Comfort Diffuser®**

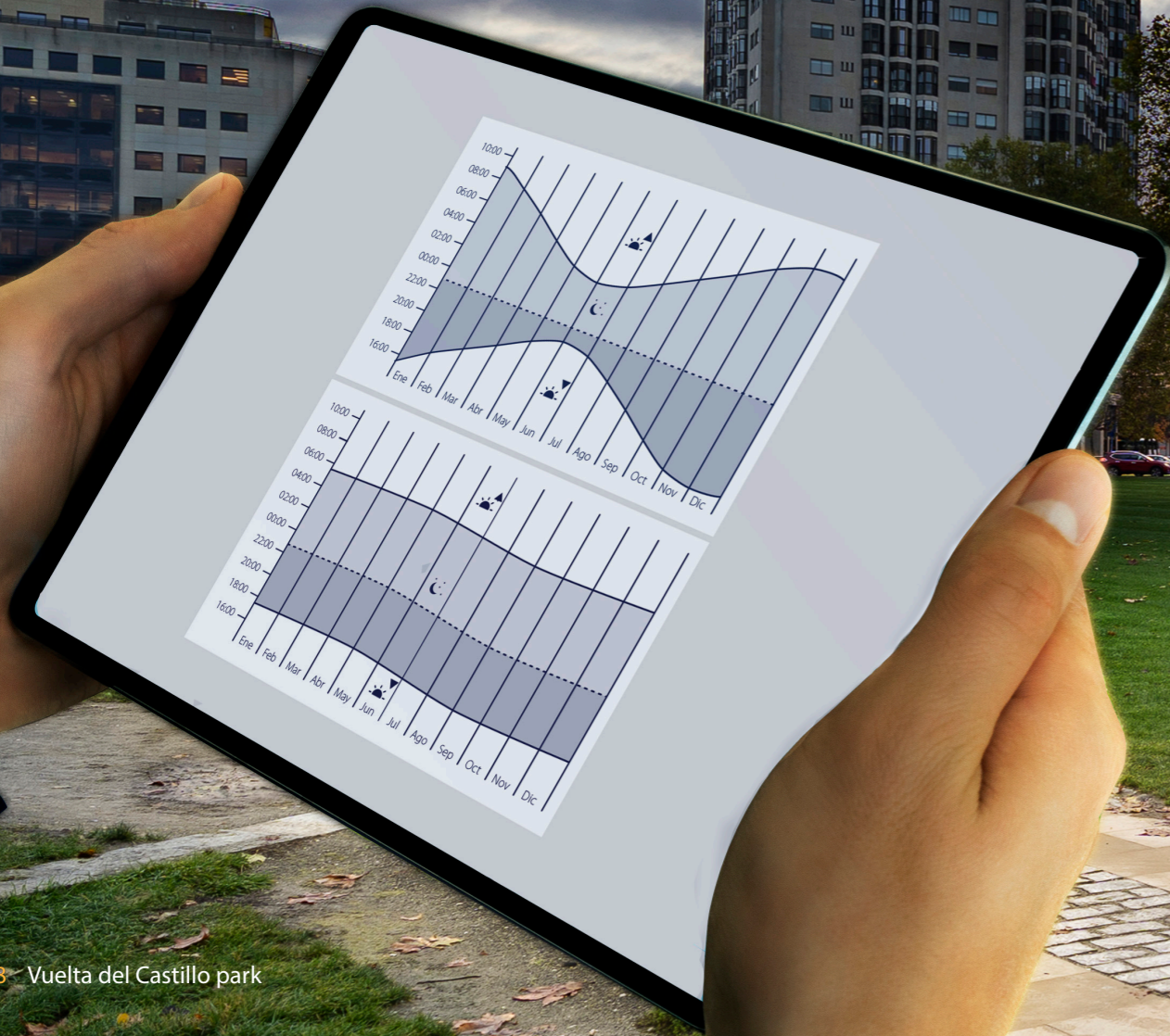


Our solution to mitigate  
glare

# REMOTE MANAGEMENT

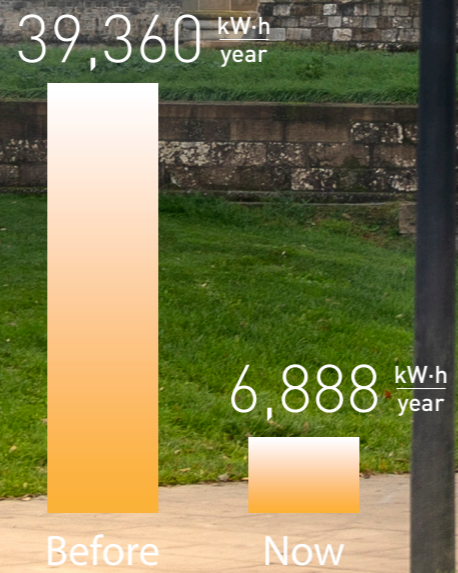


Allows the time profile to be controlled from the electrical panel to adjust the power for the various events and festivals held in the park throughout the year.



# ENERGY SAVINGS

82%



03

**PAMPLONA  
MONUMENTAL  
BULLRING**

**NAVARRA / SPAIN**

The Monumental bullring in Pamplona is a first-class bullring with a capacity of 19,720 spectators. It is world famous for the running of the bulls in San Fermín, and is also used for concerts and shows throughout the year.

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## INITIAL SITUATION

- ✗ High-pressure sodium vapour luminaires (HPSV) with high levels of power consumption.
- ✗ Excessive power for the needs of the environment.
- ✗ Low colour rendering index (CRI).

## CLIENT OBJECTIVES

- ✓ Reduce energy consumption.
- ✓ Mitigate light pollution by minimizing unnecessary power usage while ensuring proper environmental illumination.
- ✓ Retain a warm colour temperature, but significantly improve the colour rendering index.

# TAILOR-MADE SOLUTION

## AVERAGE UNIFORMITY

> 50 %

## CRI

Colour rendering index

> 70

## CCT

Responsible colour temperature

3000 K

## RADIANT FLUX

Spectral radiant flux below 440 nm wavelength

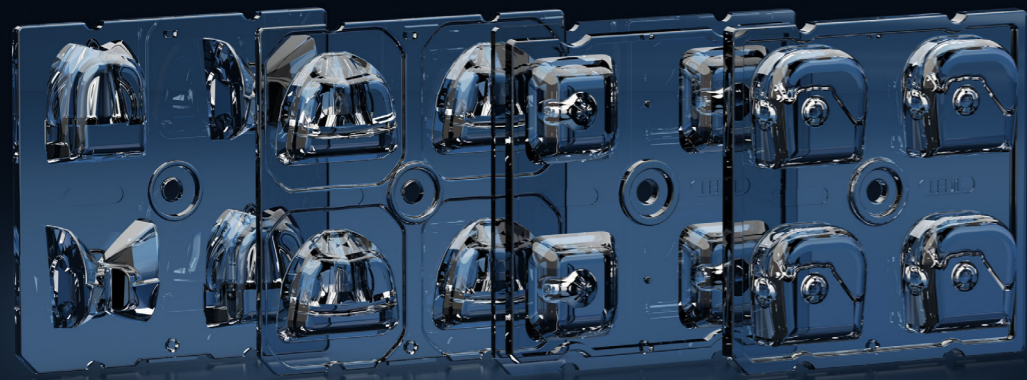
3.1 % 

SIGLO XLA



# CUSTOMIZABLE OPTICS

Based on the results of a detailed lighting study, we designed and manufactured optics adapted to the characteristics of the environment to achieve optimum illumination with the lowest consumption.



# ENERGY SAVINGS

65%

21,525 kWh/year



Before

7,476 kWh/year



Now

04

**QUERETANA  
PARK**

**QUERETARO / MEXICO**

In the city of Queretaro, Mexico, a neglected protected natural area has been transformed into the largest interurban park in the region. The restoration of La Queretana Park has revived local ecosystems, encouraged the return of wildlife that had previously disappeared, and given residents back a safe and sustainable public space.

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## INITIAL SITUATION

- ✗ Light pollution
- ✗ Lack of safety and sustainability
- ✗ Wildlife migration
- ✗ High impact on biodiversity
- ✗ Blue light emission
- ✗ Degradation and oxidation of luminaires

## CLIENT OBJECTIVES

- ✓ Restore a safe space for citizens.
- ✓ Efficient and safe lighting .
- ✓ Minimize light pollution .
- ✓ Protect the night sky .
- ✓ Visual comfort .
- ✓ Resistance to adverse conditions.
- ✓ .Enable recreational activities.

# TAILOR-MADE SOLUTION

## AVERAGE UNIFORMITY

0 %

## CRI

Colour rendering index

> 70

## CCT

Responsible colour temperature



2200 K

## RADIANT FLUX

Spectral radiant flux below 440 nm wavelength



## LIBRA A



# CORROSION IMMUNITY

This aspect is particularly important in areas with high humidity and exposure to harsh atmospheric conditions. Thanks to ATP's exclusive technical polymer materials, the luminaires installed in La Queretana do not experience degradation or corrosion, significantly extending their lifespan and virtually eliminating any maintenance needs.



05

**ÅRSTABERGSPARKEN**

**STOCKHOLM / SWEDEN**

ATP Lighting, in partnership with Annell, has installed over 2,500 luminaires in Sweden. The lighting is designed to operate reliably in the country's harsh climate, with long, cold winters, frequent snow, and occasional storms that can damage conventional LED lighting.

## INITIAL SITUATION

- ✗ Overlighting.
- ✗ Corrosion under extreme conditions.
- ✗ Lack of durability.
- ✗ Overvoltages caused by electrostatic discharges.

## CLIENT OBJECTIVES

- ✓ Maximum efficiency.
- ✓ Compliance with Swedish standard: CRI >80.
- ✓ Resistance to deterioration from weathering.
- ✓ IP66+ for long-lasting protection.
- ✓ Reliability during storms and blizzards.
- ✓ Elegant and decorative design.

# TAILOR-MADE SOLUTION

## NUMBER OF LUMINAIRES

> 2500

## CRI

Colour rendering index

> 80

## CCT

Responsible colour temperature



3000 K

## COATING

The S7 polymer coating of the ATP columns is fully insulating, with a dielectric strength greater than 22,000 V, making the light points 100% safe.

## METROPOLI LBLC



# THE LONGEST COVERAGE IN THE INDUSTRY

Commitment to elegant and decorative design with a comprehensive 10-year warranty, even under extreme conditions.

WARRANTY

**10**  
YEAR

# ENERGY SAVINGS

70%

06

**SORIA,  
PROVINCIAL  
CAPITAL**

**CASTILLA Y LEON / SPAIN**

There is an abundance of historical heritage packed into the centre of Soria, and the city is known for its castle, its Romanesque churches, such as Santo Domino and San Juan de la Rabanera, and its convents and monasteries, including San Juan de Duero.

## INITIAL SITUATION

- ✗ Old lighting installation.
- ✗ Heterogeneous mixture of discharge lamps (mercury vapour, high pressure sodium vapour, metal halide) of different models and shapes, with different light levels and colour temperatures.
- ✗ Lights deteriorated by the passage of time.
- ✗ High-power luminaires.

## CLIENT OBJECTIVES

- ✓ Unify classic luminaire models, technology, CCT and levels in general throughout the historic centre.
- ✓ Improve uniformity with customised optics for each area.
- ✓ Remote management system to adjust the levels of the different spaces to the specifications of the project.
- ✓ Improve energy efficiency and reduce maintenance costs.
- ✓ Class II luminaires, which do not require earthing, to avoid infrastructure investment.

# TAILOR-MADE SOLUTION

AVERAGE UNIFORMITY

56 %

CRI

Colour rendering index

> 70

CCT

Responsible colour temperature



2200 K

RADIANT FLUX

Spectral radiant flux below 440 nm wavelength

1.3 % 

SIGLO XLA  
SIGLO XLS



# POINT-TO-POINT REMOTE MANAGEMENT

Solution for the control, monitoring and management of point to point lighting. The node is located inside the luminaire, which allows it to retain its classic appearance.

## ✓ Maintenance

An alert programme that avoids the need for periodic rounds, with automatic notification of incidents.

## ✓ Control

Point-to-point flux and power regulation via a user-friendly web application.

## ✓ Adaptability

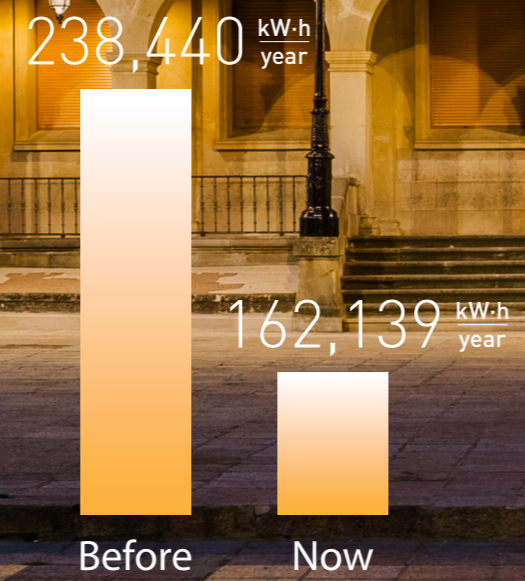
Levels easily adjustable if there are changes in the lighting requirements of each area.

## ✓ Sustainability

Optimisation of public lighting, reduction of light pollution and energy savings.

# ENERGY SAVINGS

# 68%



07

THE TOWN  
OF  
NOREÑA

ASTURIAS / SPAIN

The town of Noreña is the municipal capital of the council of the same name, one of the most densely populated in Asturias. This town stands out for its heritage, which includes the Clock Tower, the Ecce Homo hermitage and the bandstand, all of which have different lighting needs.

## INITIAL SITUATION

- ✗ Installation consisting of a heterogeneous mixture of more than 1200 high pressure sodium vapour (HPSV) and metal halide (MH) lamps.
- ✗ High-power luminaires.
- ✗ Over-illuminated village: the installation generated much more light than necessary, with a consequent increase in upper light output ratio and light dispersion towards the sky.

## CLIENT OBJECTIVES

- ✓ Obtain lighting that is as rational and efficient as possible, that meets the needs of each area and that above all avoids overillumination at any point.
- ✓ Tailor-made lighting project, carried out in close collaboration with the engineering company in charge, to design and manufacture optimal lighting solutions for the different areas.
- ✓ Reduce capacities and fluxes to maximise energy savings.
- ✓ Install a fully watertight, corrosion-resistant product with a comprehensive warranty, given the region's oceanic climate.

# TAILOR-MADE SOLUTION

AVERAGE UNIFORMITY

80 %

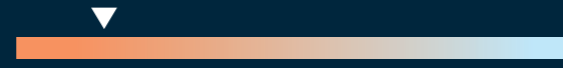
CRI

Colour rendering index

> 70

CCT

Responsible colour temperature



2200 K

RADIANT FLUX

Spectral radiant flux below 440 nm wavelength

1.3 % 

VILLA XLA  
LIBRA A  
ENUR MICRO  
AIRE® 3 SERIE



# HIGH UNIFORMITY WITH CUSTOMISED SOLUTIONS

Before

Now

ATP carried out more than 400 lighting studies in collaboration with engineering, from which solutions were designed and manufactured enabling the achievement of uniformities well above the standard.

80%

# ENERGY SAVINGS

65%

738,000 kW-h year



Before

258,300 kW-h year



Now

08

**SANTA ANA  
HEREDIA**

**COSTA RICA**

Residents of Piedades de Santa Ana (Costa Rica) now enjoy a renovated recreational and sports park. The project transformed an old, unused soccer field into a 5,400 m<sup>2</sup> complex featuring multipurpose courts, a synthetic walking track, a turf field, a playground, a gym, relaxation areas, and spaces for cultural and leisure activities.

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## INITIAL SITUATION

- ✗ Abandoned football field.
- ✗ Lack of safety.
- ✗ Low energy efficiency.
- ✗ High energy consumption.
- ✗ Corrosion and electrostatic discharges.

## CLIENT OBJECTIVES

- ✓ Maximum night-time visibility.
- ✓ Safe and comfortable environment.
- ✓ Reduce glare.
- ✓ Guaranteed electrical safety.
- ✓ Durability and resistance under adverse conditions.
- ✓ Continuous commitment to sustainability.
- ✓ Significant impact on the quality of life of local residents.

# TAILOR-MADE SOLUTION

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AVERAGE ILLUMINATION

250 lux

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CRI

Colour rendering index

> 70

DIELECTRIC RIGIDITY ABOVE

22 kw

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ATP LIGHTING POINTS OF LIGHT

100 %

AIRE® SERIE 7



# ATP LUMINAIRES INSTALLATION

Made with insulating technical polymers, the luminaires are not only corrosion-resistant but also immune to electrostatic discharges (ESD) and overvoltages caused by atmospheric discharges, ensuring a long lifespan and uninterrupted operation.

# UNIFORMITY

These lighting levels ensure a safe and comfortable environment for park users, both for recreational activities and sports competitions.

Aire® Series 7

200<sub>w</sub>

200<sub>lux</sub>

Uniformity above 0.6.

Aire® Series 7

150<sub>w</sub>

250<sub>lux</sub>

Uniformity above 0.5.

09

**THE MAGIC  
TOWN  
OF BERNAL**

**QUERETARO / MEXICO**

The town of Bernal, in Queretaro, was incorporated into Mexico's Pueblos Mágicos (Magic Towns) tourism programme in 2005 because of the high number of visitors who flock to the Peña, a rock formation approximately 300 metres high that is the third largest monolith in the world.

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## INITIAL SITUATION

- ✗ Discharge technology with cold colour temperature unsuitable for the village.
- ✗ Light pollution at a location that joined the Magic Towns programme in 2005.

## CLIENT OBJECTIVES

- ✓ As a Magic Town, the lighting must comply with the requirements of the Carta de Taxco (Mexican regulations governing proposals for night-time lighting of monuments and historic centres).
- ✓ The lighting must also comply with the environmental and heritage conservation criteria set by the National Institute of Anthropology and History of the state of Querétaro (INAH).
- ✓ Implement an ultra-warm colour temperature that respects the traditional essence of the Magic Town and at the same time offers a high colour rendering index (CRI greater than 70).

# TAILOR-MADE SOLUTION

AVERAGE UNIFORMITY

50 %

CRI

Colour rendering index

> 70

VILLA XLA

CCT

Responsible colour temperature



2200 K

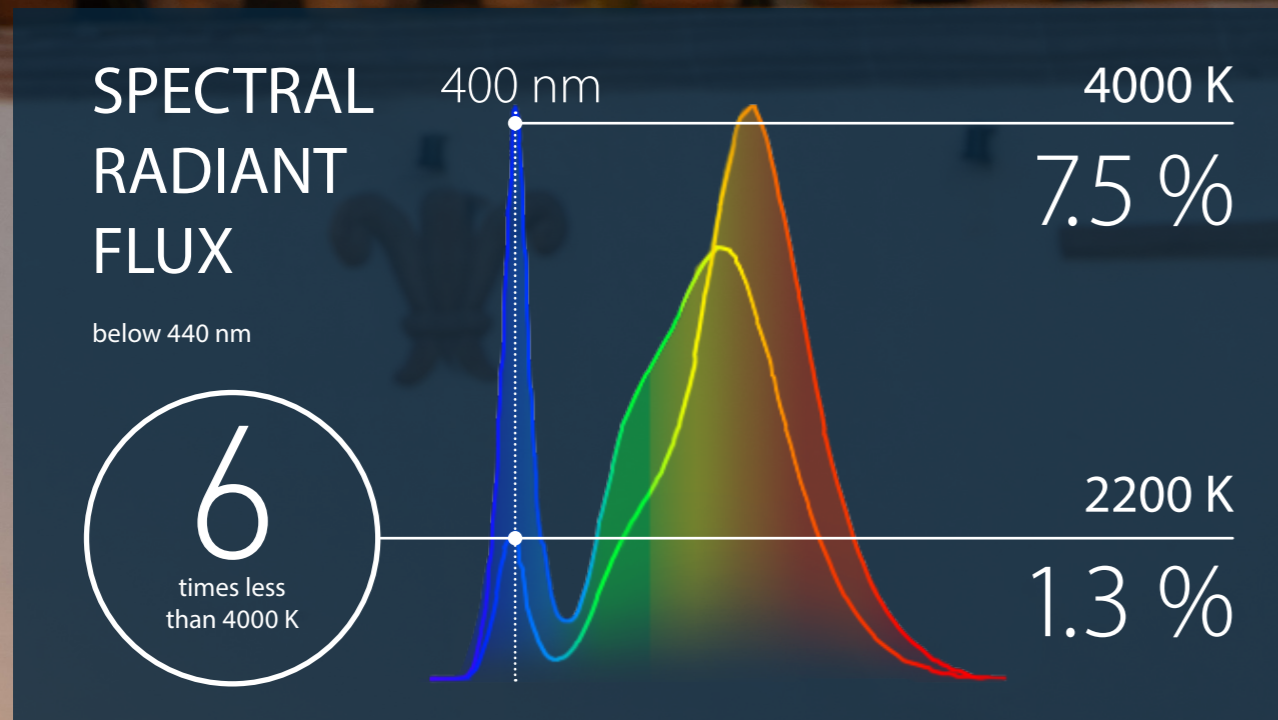
RADIANT FLUX

Spectral radiant flux below 440 nm wavelength



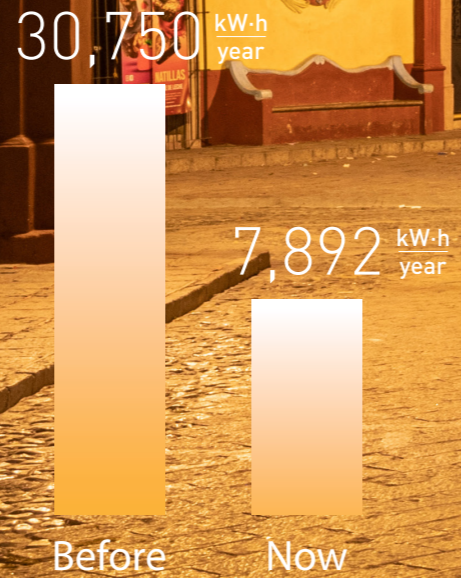
# LOW PERCENTAGE OF BLUES

The blue spectral component (below 440 nm wavelength) generates the most light pollution and is the most disruptive to circadian rhythms.



# ENERGY SAVINGS

74%



10

**CARTAGENA  
DE  
INDIAS**

**COLOMBIA**

Cartagena de Indias' historic Walled City upgrades its lighting with sustainable, efficient technology, improving safety, aesthetics, and energy efficiency while reducing maintenance costs, thanks to ATP Iluminación and Greenlight S.A.

## INITIAL SITUATION

- ✗ Light pollution.
- ✗ Low uniformity.
- ✗ High maintenance costs due to corrosion.
- ✗ Lack of safety.
- ✗ Impact on coastal wildlife.

## CLIENT OBJECTIVES

- ✓ Innovative solutions .
- ✓ Optimization of energy consumption .
- ✓ Ensure durable infrastructure .
- ✓ Modernization of lighting .
- ✓ Heritage-friendly lighting .
- ✓ Eliminate glare .
- ✓ Avoid aesthetic degradation.

# TAILOR-MADE SOLUTION

## AVERAGE UNIFORMITY

> 50 %

## CRI

Colour rendering index

> 70

## CCT

Responsible colour temperature



2200 K

## RADIANT FLUX

Spectral radiant flux below 440 nm wavelength

1.3 % 

RONDA A



# GLARE-FREE UNIFORMITY

Six-sided Ronda A luminaires with ATP 2200 K LED technology, ensuring uniform lighting without glare and a more pleasant experience for both pedestrians and drivers.




# ENERGY SAVINGS

70%





 Factory
  Delegations
  Exports

**ATP Factory**

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 Navarra · Spain  
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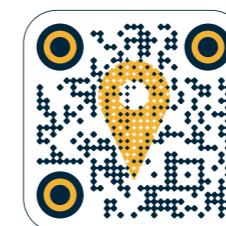
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