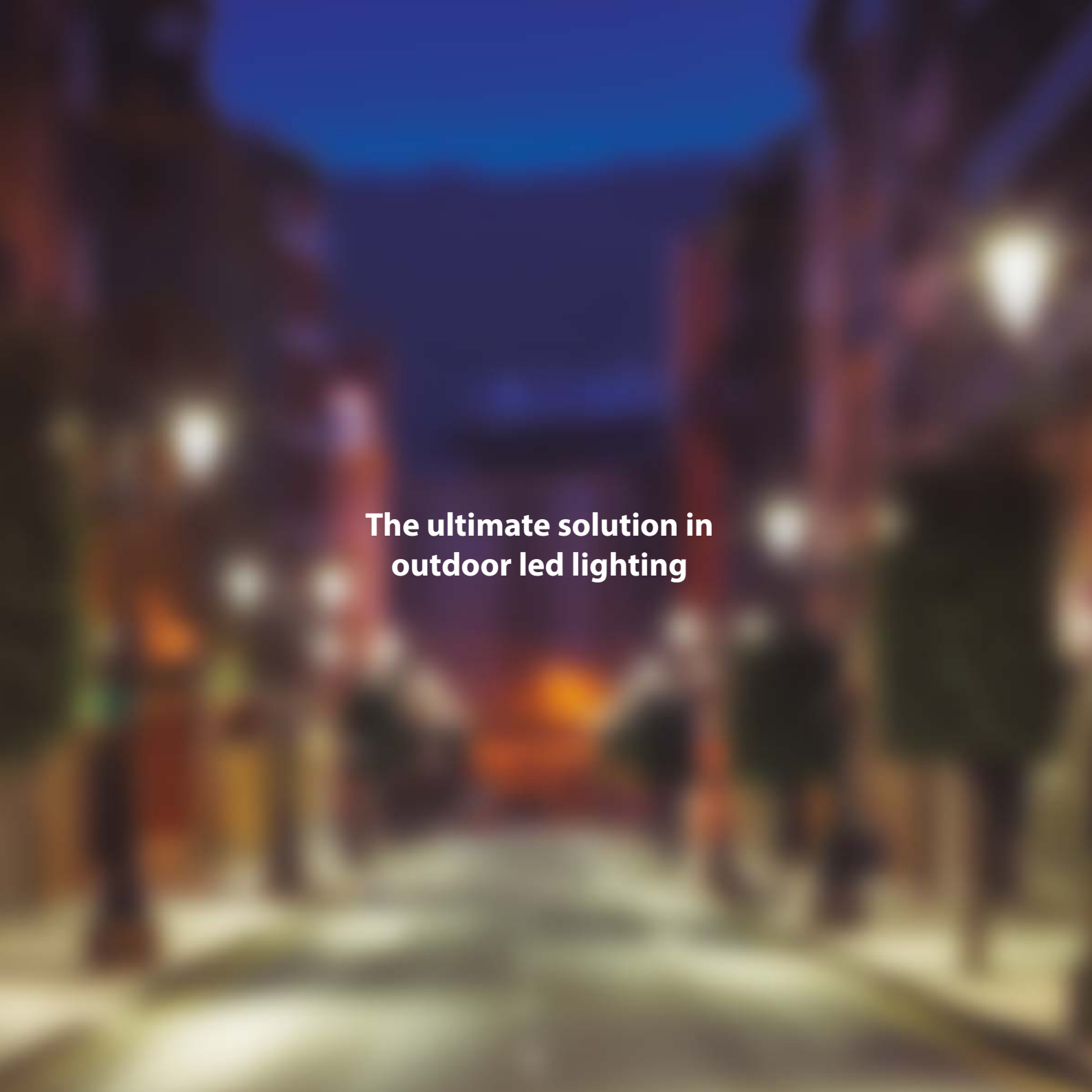


ATP



THE ULTIMATE SOLUTION IN OUTDOOR LED LIGHTING



**The ultimate solution in
outdoor led lighting**

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Outdoor lighting issues

If there is one thing that characterises ATP, apart from innovation, it is the development of definitive solutions to the major problems of outdoor lighting, which have traditionally been two: maintenance (caused by corrosion, leaks and vandalism) and lack of safety (risk of electrocution). Street lamps causing fatal electric shocks or coastal districts having to spend thousands of euros to maintain their lighting systems are inconceivable situations for our company. Furthermore, we consider it essential to minimise the environmental impact of public lighting manufacture and waste.

Corrosion

Penetration of particles and liquids

Vandalism

Electrocution

Contamination of the environment



The ultimate solution

Our products are corrosion-immune, totally hermetic, vandal-proof, anti-electrocution and 100% recyclable. These virtues are the result of our unique engineering polymers, which extend resistance to external agents to levels unattainable for the materials commonly used in the industry. This means that they can withstand undamaged the most aggressive of phenomena: intense sun, extreme humidity, salt spray, highly polluted or toxic environments and even tropical storms. With ATP, maintenance, electrical hazards and contamination are a thing of the past.

ATP corrosion-immune
polymeric materials

IP66+: Totally
hermetic

IK10+: More than
vandal-proof

Class II+:
Anti-electrocution

100% recyclable articles and
environmentally friendly processes



Siglo XLA



Immune to
corrosion

No need for
maintenance

As a leading brand, at ATP we have changed the way we approach outdoor lighting: all our products are immune to corrosion and deterioration caused by the elements, so they require very little maintenance. And we're not just talking about our luminaires, but also our columns and access panels, i.e. the entire structure. We have finally left behind the times when it was necessary to schedule regular inspections, replace worn parts, paint the poles and call on teams of specialists to make replacements. Now, with our polymeric assemblies, the process has been reduced to a minimum. Install and you're done.



Metrópolis LBLC



IP66+: Totally
hermetic

Total protection against
dust and water

All our luminaires are IP66 classified, which means that they are completely hermetic: sand, dust, insects, dirt of any kind, humidity or saltpetre, none of these can penetrate their polymeric structure. This tightness is not limited to the optical assembly, as it usually is in the industry, but extends to the entire enclosure, which is what we mean by IP66+. This feature provides insulation and protection for the luminaire's internal elements, guarantees unalterable performance and eliminates maintenance costs. Our continuous sealing gasket and rigorous manufacturing process ensure that the tightness is maintained in any situation, even in the most extreme climates. ATP is also the only manufacturer to have an AENOR-certified IP66 rating for its columns and access panels.



Croma P



IK10+: More than
vandal-proof

Maximum impact
resistance

Vandalism poses no risk to the integrity of ATP outdoor lighting, which can withstand abuse, knocks and deliberate attempts at breakage without incurring any damage. The mechanical strength of our luminaires is unique on the market: all of them easily pass impact tests at over 50 joules, which is more than double that required by the international IK standard to obtain the maximum degree of robustness, IK10. We call this exceptional level of resistance IK10+. Furthermore, and as with IP, ATP is the only manufacturer in the world that has achieved an IK10 certified by AENOR for both the shaft and the access panel of all of its columns.



Venus 2 TLA



Class II+:
Anti-electrocution

The safest luminaires on
the market are ATP

All our outdoor lighting products have absolute protection against electrocution. It's as simple, as categorical and as true as that. This unprecedented achievement has been possible thanks to a fine-tuned combination of exclusive, state-of-the-art, fully insulating technopolymers, different safety devices and a structure designed to prevent contact with parts that could cause an electric shock. What's more, ATP products are not just Class II by nature, but have a dielectric strength of over 22,000 volts. We call this superior protection Class II+.



Cónica TLA



100% recyclable
products

Discover green
lighting

Preserving the environment is another of ATP's top priorities, as evidenced by our 100% recyclable products. We also have ISO 14001:2015 "Environmental Management Systems" certification, which guarantees that our entire production process is environmentally friendly and complies with local, regional, national and European environmental regulations. Moreover, in recognition of our efforts to work in the most ecological way possible, ATP has been awarded the ISSOP seal, granted by the Feniss foundation to companies that manufacture their products without programmed obsolescence and with materials and procedures that are harmless to the planet. Today we are still the only company in the industry to have received this distinction.



LED
issues

Along with its virtues, in the last decade LED technology has had two drawbacks that have compromised its efficiency: the overheating of the modules, which drastically reduces their lifetime, and the glare produced by its high light intensity. To these we should add the vulnerability of LEDs to surges, as well as the damage caused to health and the environment when unsuitable colour temperatures, optics and light levels for the environment to be lit are used. Through intense R+D+i efforts, ATP has managed to resolve the disadvantages of this light source without relinquishing any of its advantages.

- 14
- Overheating

Glare

Surges

Damage to health

Negative impact on the environment



The ultimate
solution

Extensive research has enabled us to develop our revolutionary Laminar Heatsink® and Comfort Diffuser®, which solve LED overheating and visual comfort problems. Moreover, the polymeric materials our luminaires are made from make them immune to surges of any kind. These features, along with the availability of healthy and environmentally friendly colour temperatures (2700 K, 2200 K, 1800 K and PC Amber) and the appliance of optics and light levels that reduce night sky pollution, make for the most advanced and responsible LED range on the market, with outstanding performance and reliability.

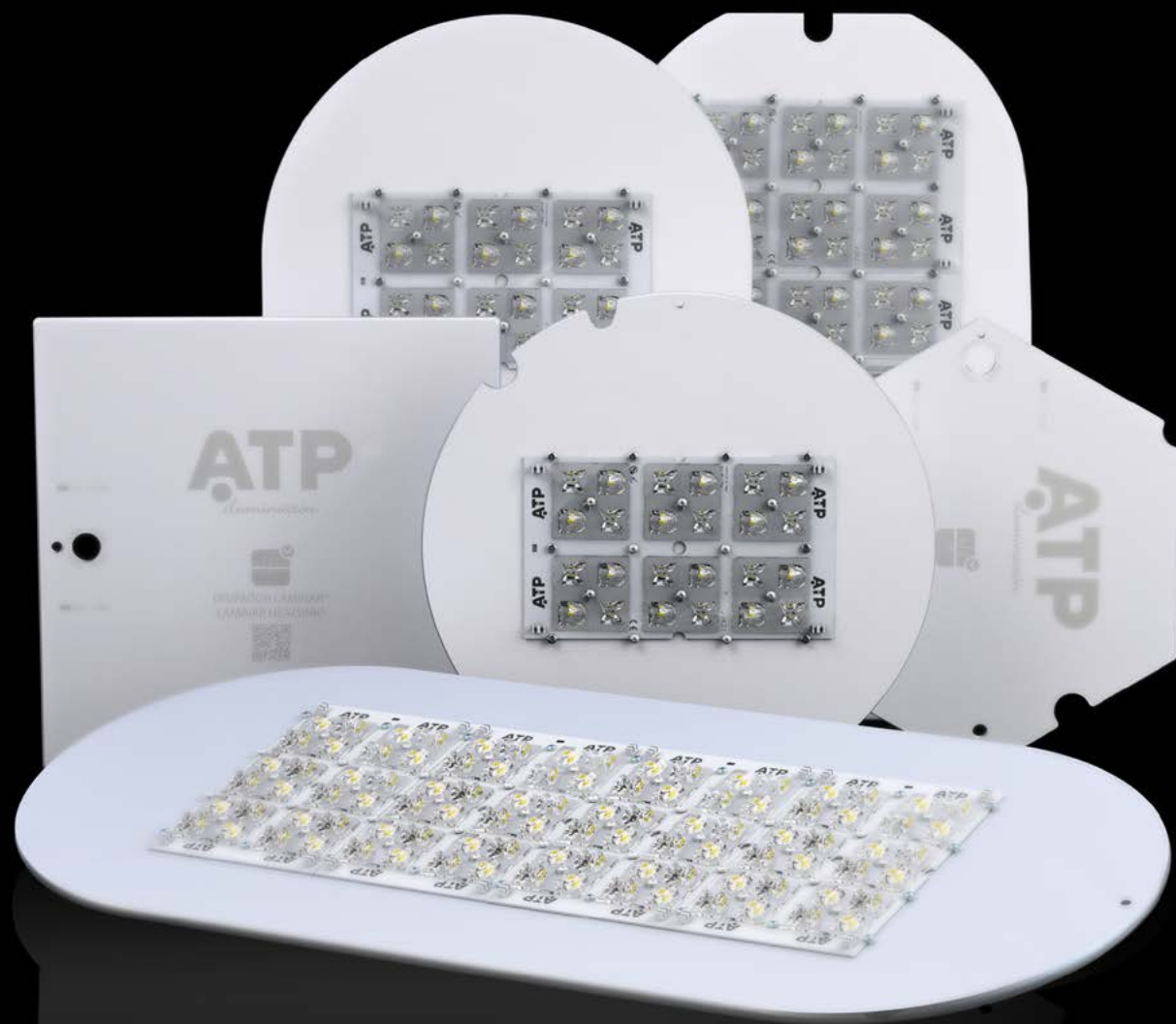
- 15
- Laminar Heatsink®

Comfort Diffuser®

Surge-immune architecture

Responsible colour temperature

Environmentally-friendly



Laminar Heatsink®

Advanced thermal management

The Laminar Heatsink® is a unique thermal management system designed and patented internationally by ATP to address LED overheating and extend LED life. This device, which, unlike finned heatsinks, is smooth and extra-thin, lowers the operating temperature of LED modules by 21% and extends their lifetime by more than 21,000 hours, for a total of 100,000 hours. Taking into account that the estimated average annual operation of outdoor lighting in Spain is 4100 hours, this means extending the lifetime of the LED to nearly 25 years. These figures are the result of rigorous measurements carried out by our Quality Department in a climatic chamber at a constant 35 °C and without air flow. We are the only company in the industry that carries out its tests at such a high temperature, 10 °C above the 25 °C at which other manufacturers test their products.



Comfort
Diffuser®

The solution
to glare

This diffuser has been created from the uniquely formulated T5 polymer and specifically designed to mitigate the glare produced by the LED without affecting the performance of the luminaire. Finally, the ground made by LED technology in terms of energy savings and light quality is now compatible with visual comfort: boulevards, roads and parks can now be given an exquisite colour rendering and a clean, bright appearance without glare for pedestrians. In addition, the Comfort Diffuser® softens the shadows cast by the luminaire's ornaments, which enhances the uniformity of the lighting and improves the overall appearance of the environment.



Villa XLA



Surge immunity

The most robust
luminaires on the market

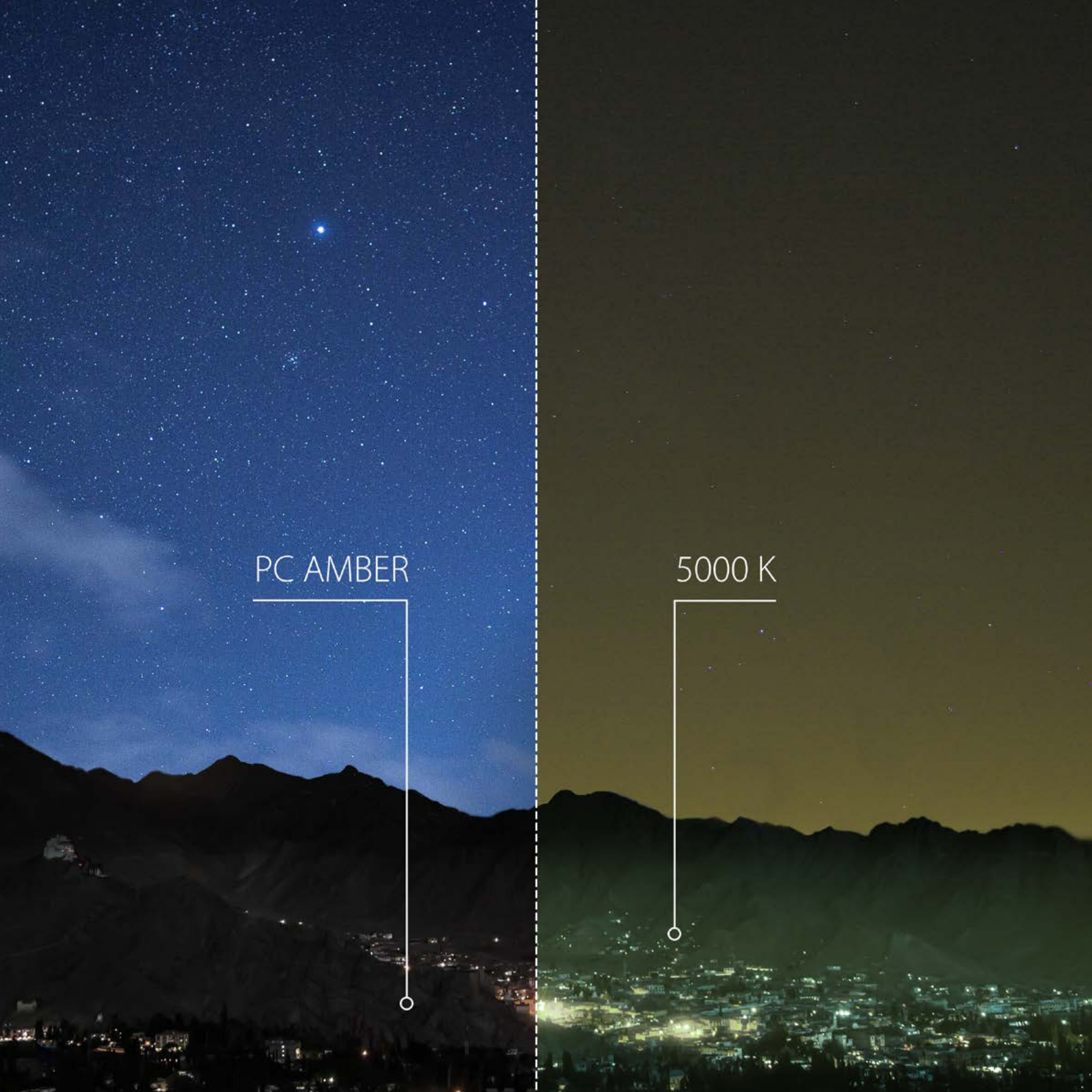
One of the most notorious weaknesses of LED technology is its sensitivity to surges, whether caused by mains switching or by atmospheric or electrostatic discharges. Our LED luminaires, however, are immune to this thanks to their materials and special architecture. On the one hand, our products are Class II by nature and do not require earthing, which is the main entry point for atmospheric discharges. In addition, the enclosure is made of our unique engineered polymers rather than metal, which eliminates any possibility of electrostatic discharge. This combination of factors makes our LED luminaires the most robust on the market and the only ones that are truly immune to surges.



Responsible colour temperature

The balance between efficacy and health

Recent studies show that prolonged exposure to cold colour temperature light can cause damage to retinal cells and alter the biological clock, leading to health complications that appear to increase the risk of developing certain types of cancer. Aware of this new state of affairs, ATP proposes the gradual replacement of 4000 K and 5000 K LEDs, both with a strong blue light component, with the balanced 1800 K or 2200 K LED, which achieve a high colour rendering index and, being light sources with an ultra-warm colour temperature, prevent the aforementioned dangers.



PC AMBER

5000 K



Environmentally-
friendly

Lighting that preserves the sky and wildlife

As well as harming human health, LEDs with a cold colour temperature disrupt the circadian rhythms of wildlife and pollute the night sky, the latter due to the reflection of the blue spectrum on the lit surfaces. At ATP we solve these problems by combining warm and ultra-warm* colour temperatures with precise optics and light levels adjusted to reduce the bounce of the LED beam on the ground. The recommended colour temperatures depend on the application: 2700 K, 2200 K and 1800 K for conventional uses and PC Amber for particularly sensitive sites such as observatories or natural parks. By harmonising all these parameters, we are able to offer extremely efficient outdoor LED lighting that also preserves the celestial canopy and respects wildlife rhythms.

*Warm: 2700 K. Ultra-warm: 2200 K, 1800 K and PC Amber.

There is a luminaire
for every environment

Urban lighting

Functional lighting

Classic lighting

Road lighting

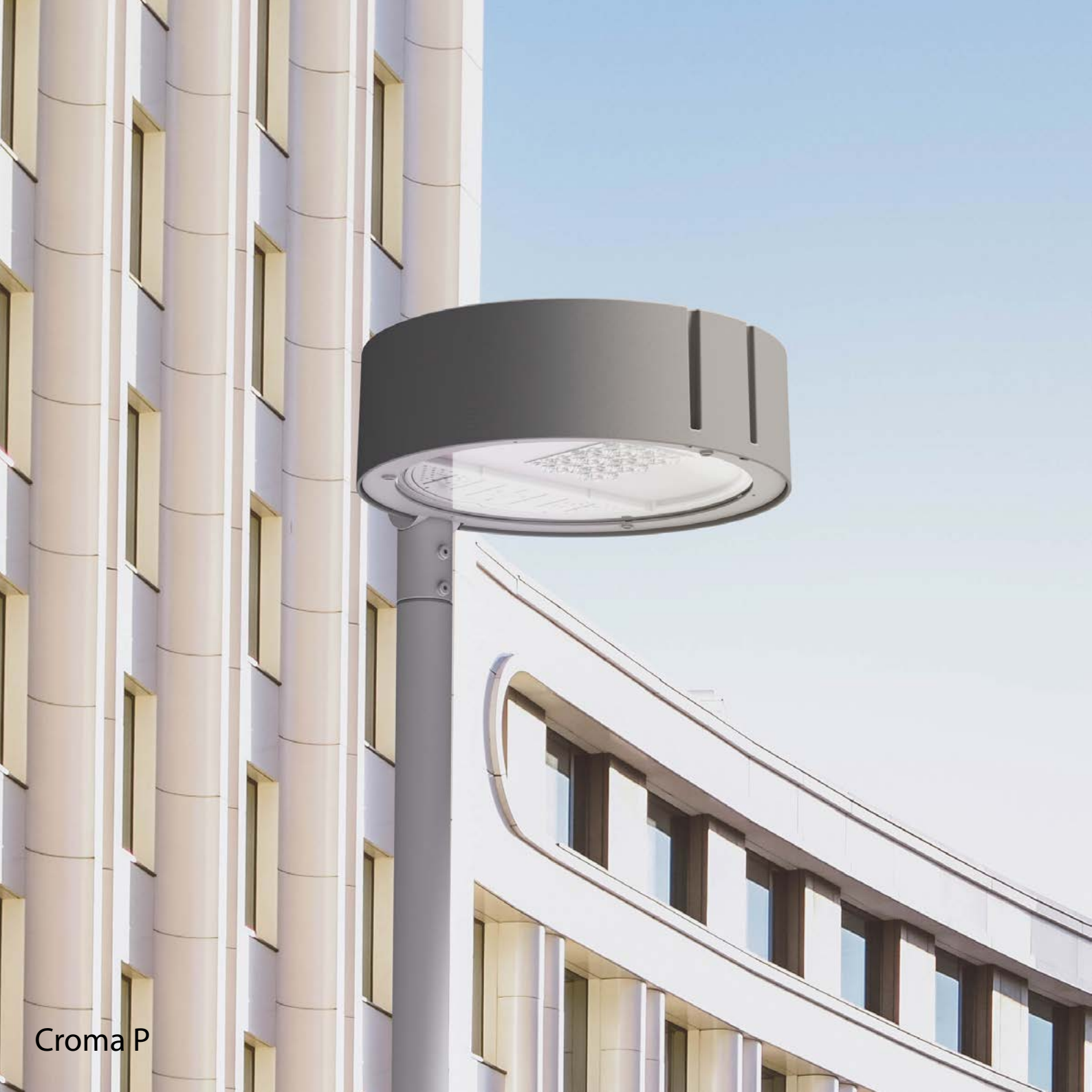
ATP's
families

Croma, Metrópoli and
Evolución

Cónica, Funcional and
Venus

Circular, Square, Hexagonal and
Urania

Aire® and
Enur



Croma P

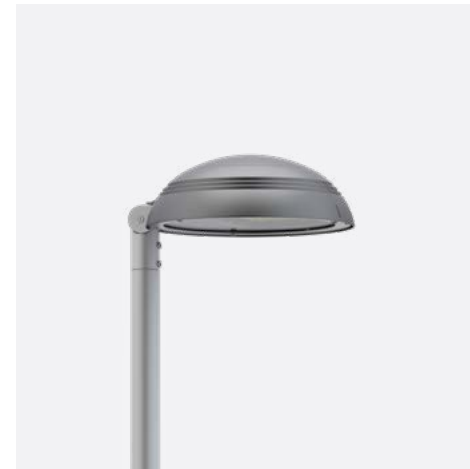
Urban lighting



Croma



Metrópoli

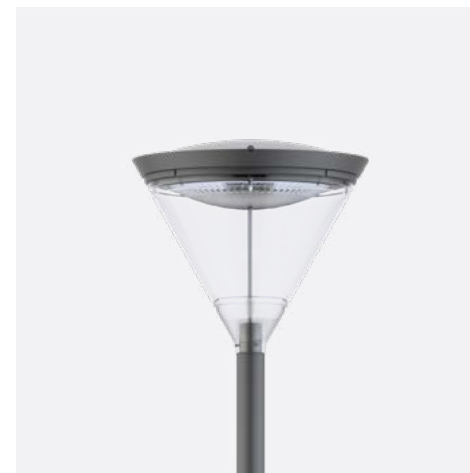


Evolución

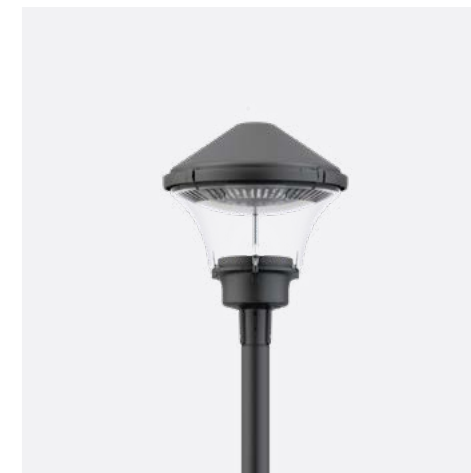


Venus 2 TLA

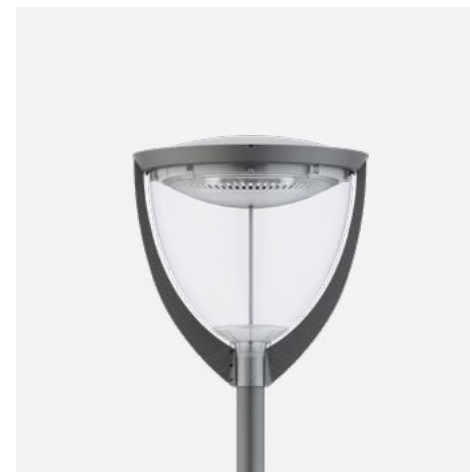
Functional lighting



Cónica



Funcional



Venus



Villa XLTA

Classic
luminaires



Circular Classic



Square Classic



Hexagonal Classic



Urania



Aire® 7 series

Road
lighting



Aire®



Enur



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Commercial network

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