

# **Shaping Your Lighting World**

We are an Italian lighting company with a precise philosophy: **shaping the light to enlighten a new world.**

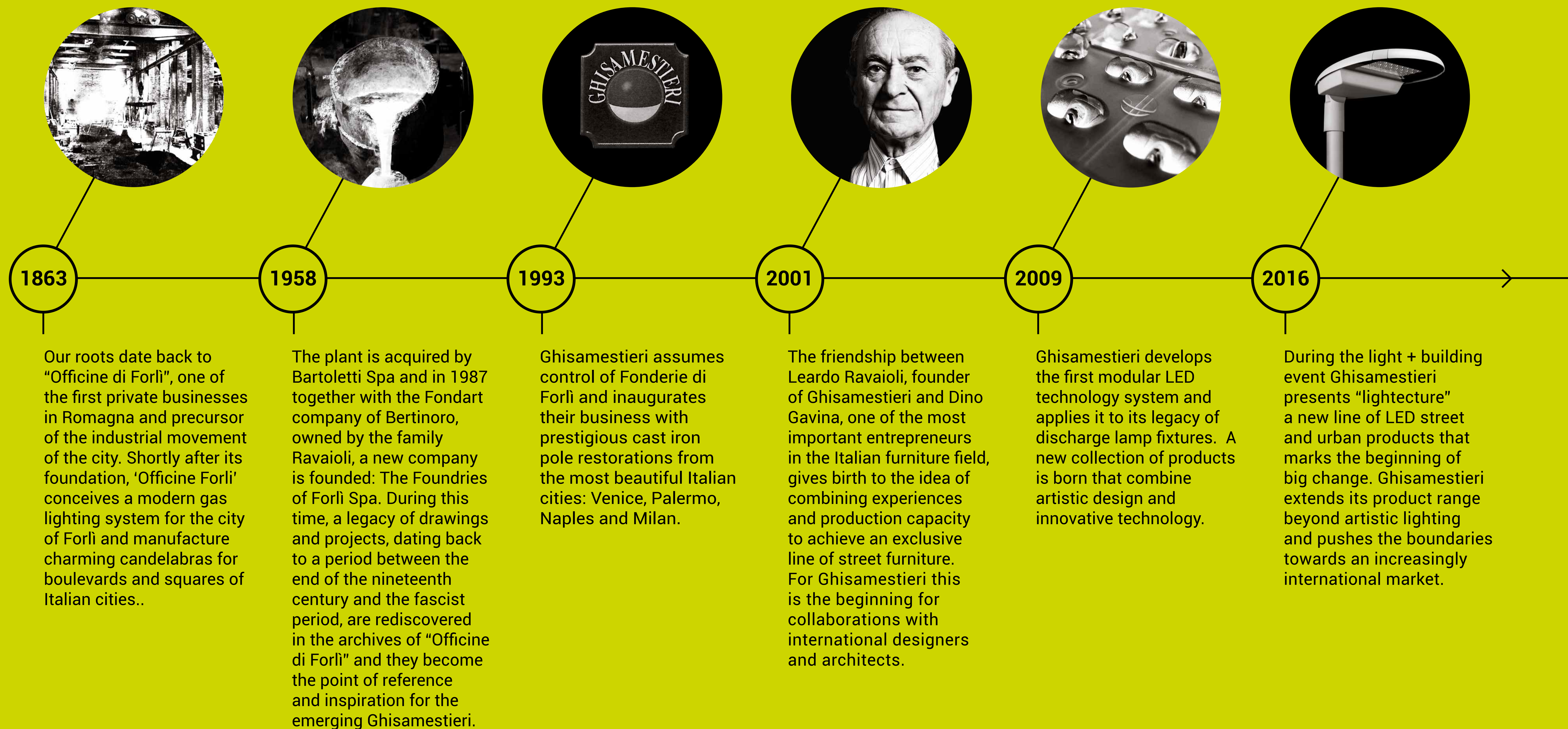
We offer a Total Lighting Solution to answer to the needs of an ever-evolving Smart world driven towards a sustainable future, devoted to energy saving and environmental sustainability.



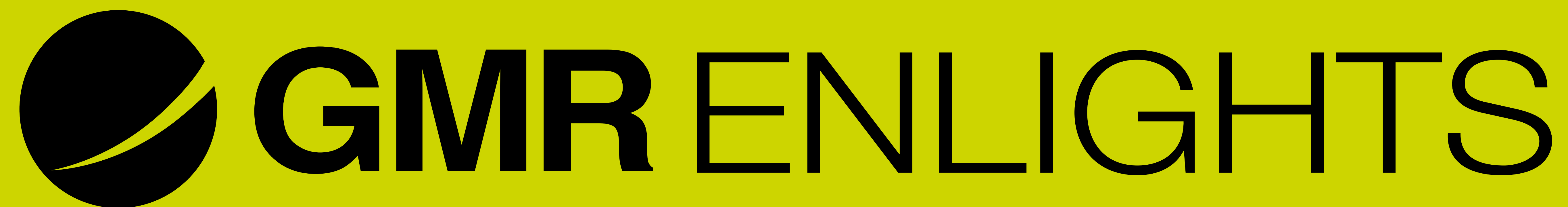
<b>OUR HISTORY, SINCE 1863</b>	<b>04</b>
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# OUR HISTORY, SINCE 1863

04







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08.06.2020

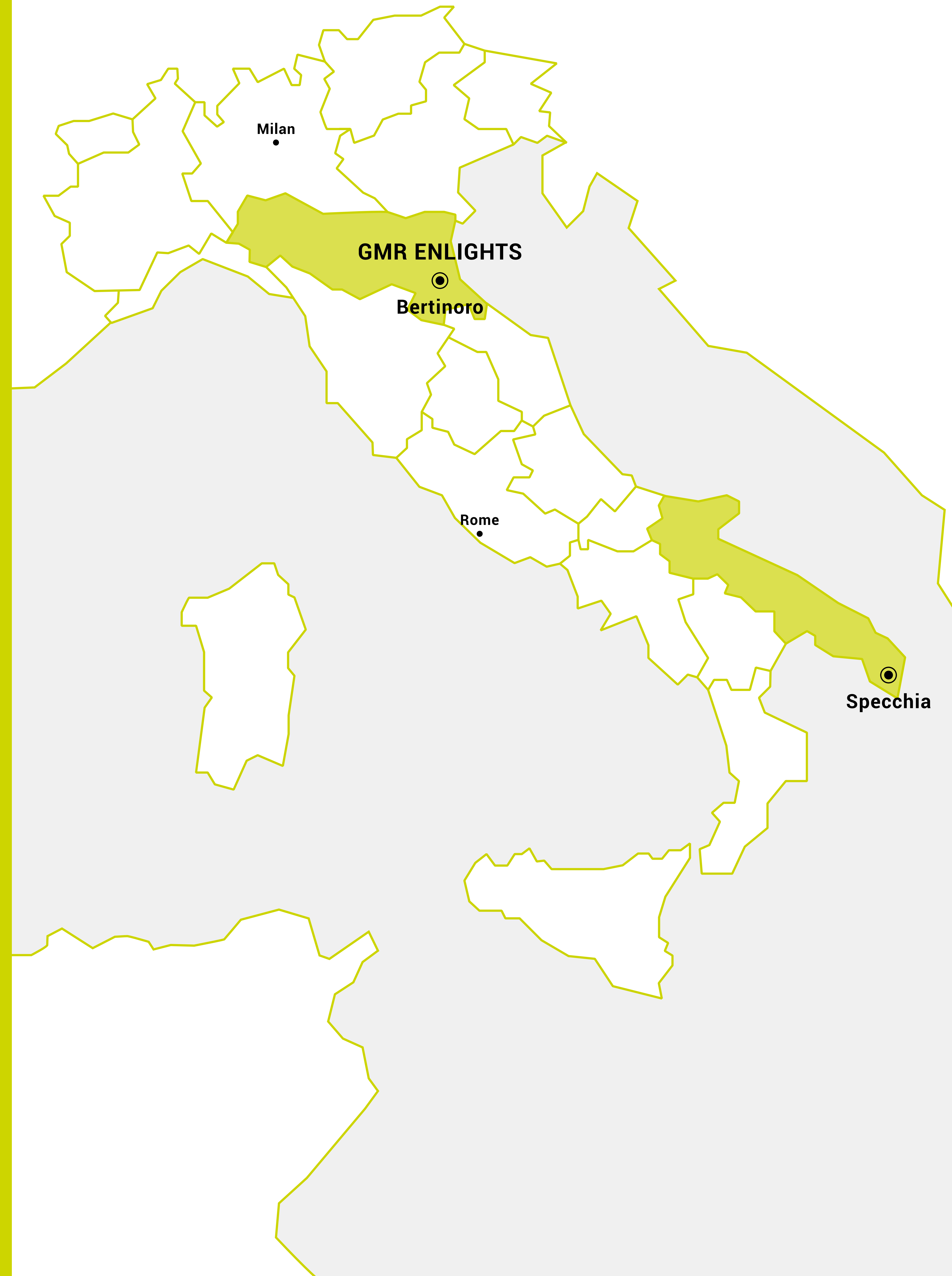
After a long history,  
**GhisaMestieri renews itself.**  
Thus, **GMR ENLIGHTS** is born:  
a brand that keeps its roots and  
know-how intact, reaffirms its  
international vocation and it  
opens up to new lighting fields.  
A brand name in accordance with  
new lighting needs of an  
ever-evolving Smart World, driven  
towards a sustainable future.

## Our history, since 1863

06

Our Headquarters in **Bertinoro** (FC) hosts administrative, commercial, technical, manufacturing (lighting) and logistical operations thus optimising company resources. The same building houses a large area dedicated to laboratories for product testing and performance evaluation.

The production plant in **Specchia** (LE) is specialised in pole manufacturing, sheet metal work and processing different types of alloys. The same plant handles the cast iron, aluminium and bronze works for our classic poles including the decorative parts of urban furniture. It also specialises in the restoration of historical decorative structures



Bertinoro Headquarters





LED assembly line



Automated packaging system





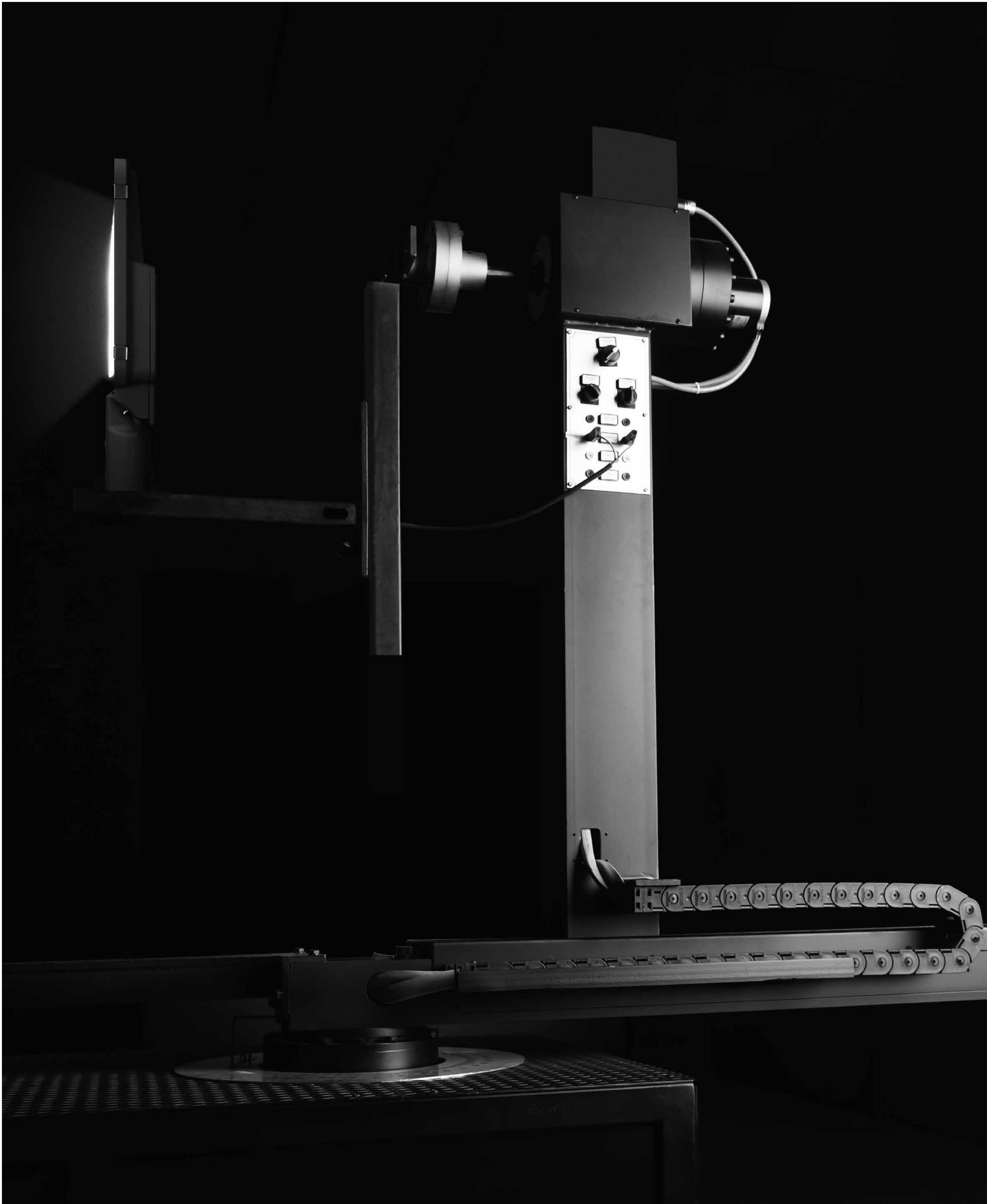
End-of-line





Automated Manufacturing line



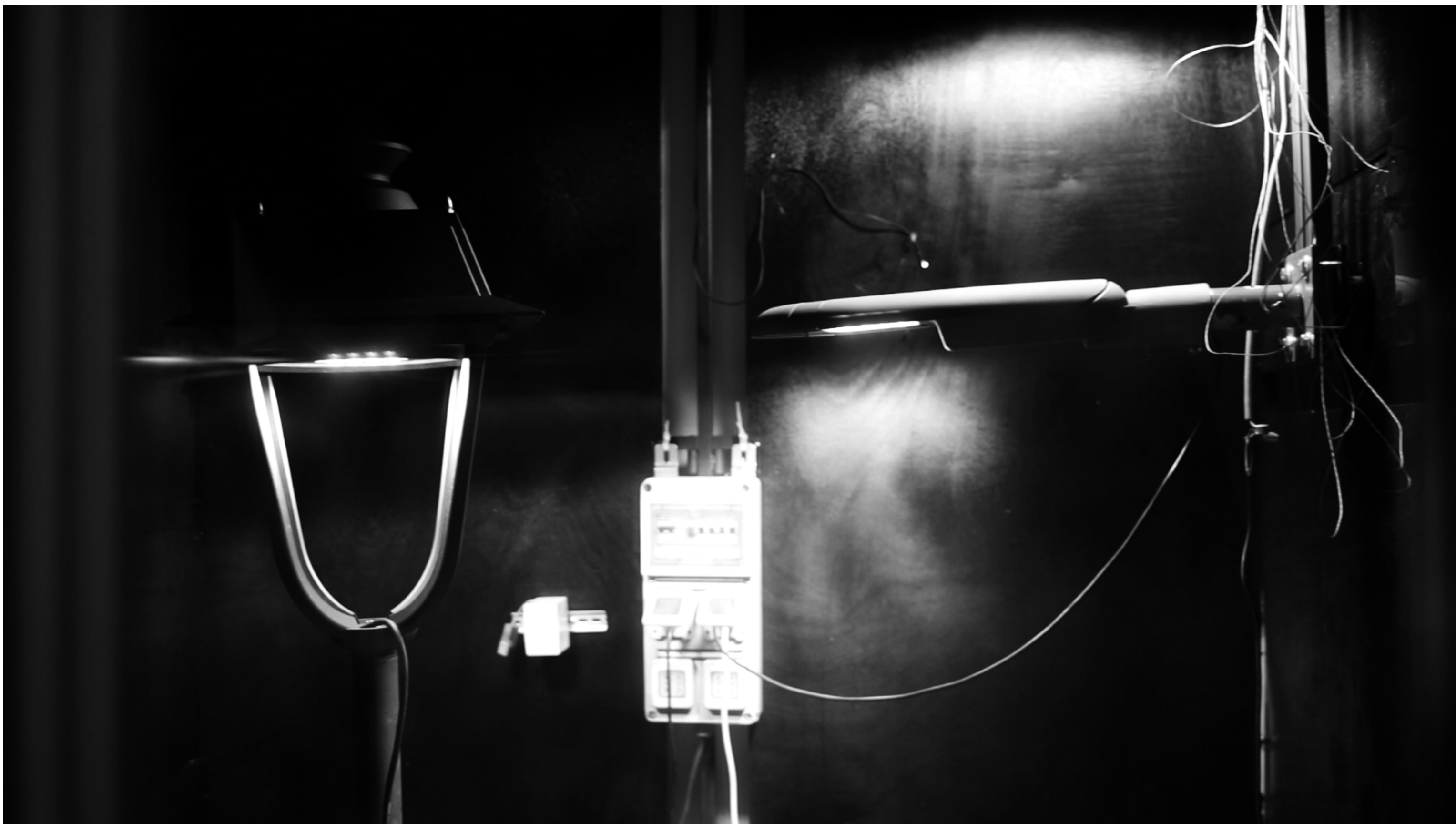


Internal laboratories - Photogoniometer



Internal laboratories - IP test room






Internal laboratories - thermal test room



Internal laboratories - Salt spray test room

# TRADITION DESIGN PERFORMANCE





Our roots lie in the warmth of the foundry handling material like cast iron, which requires rational knowledge and craftsmanship. Thanks to the important artistic lighting restorations conducted in the most prestigious Italian cities, derive the attention to detail which we still at the base of all our activities.





Venice, Italy



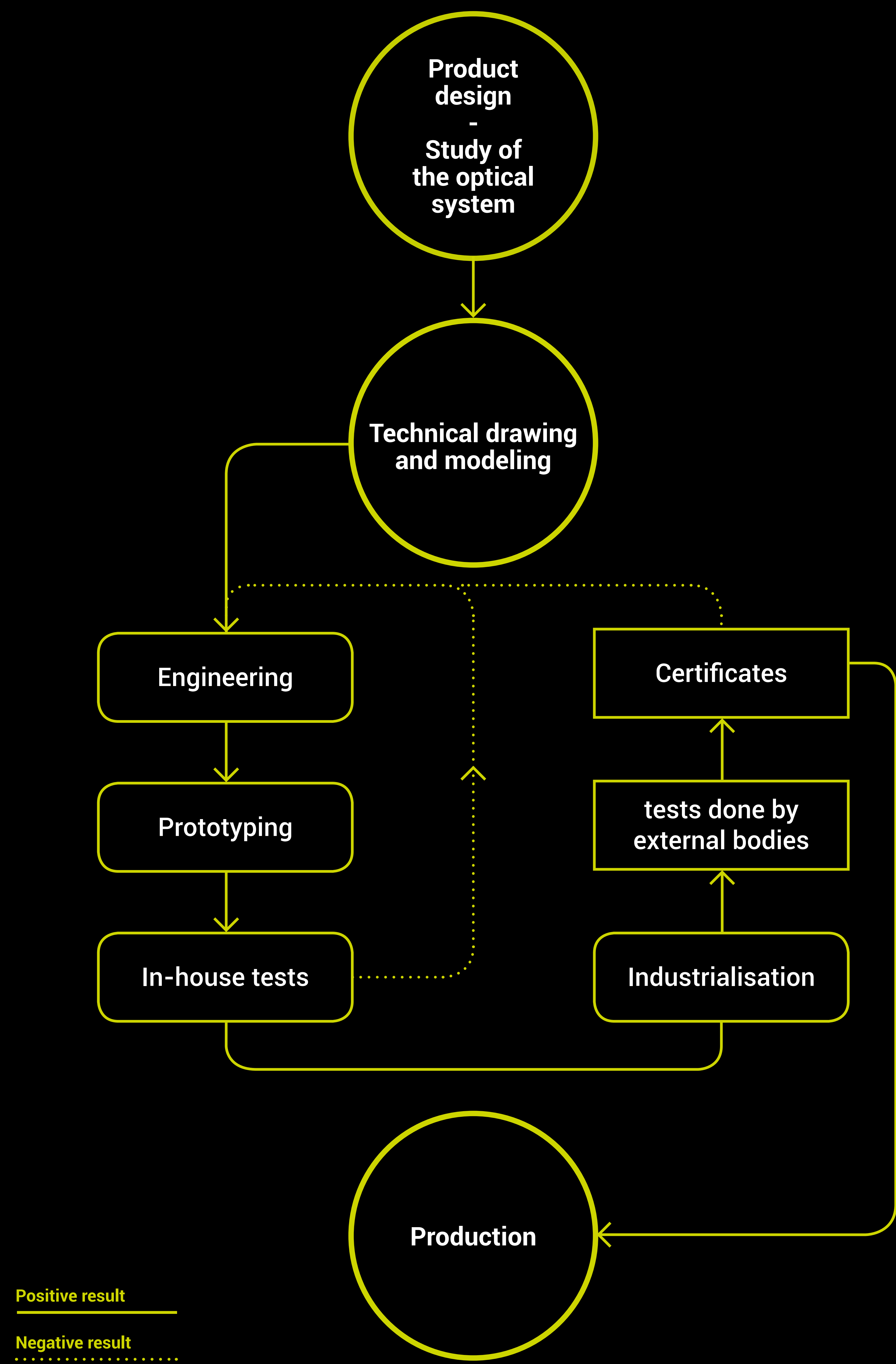
Naples, Italy



Light fixture communicates with the context through light and shape. We design our devices to achieve perfect harmony between form and function.



The aesthetical design often developed in collaboration with architects and designers, is guided by a complete analysis of the lighting requirements and reference standards. The initial concepts are drawn up with dedicated design software that leads to the inception of the prototypes to verify and validate the aesthetics.

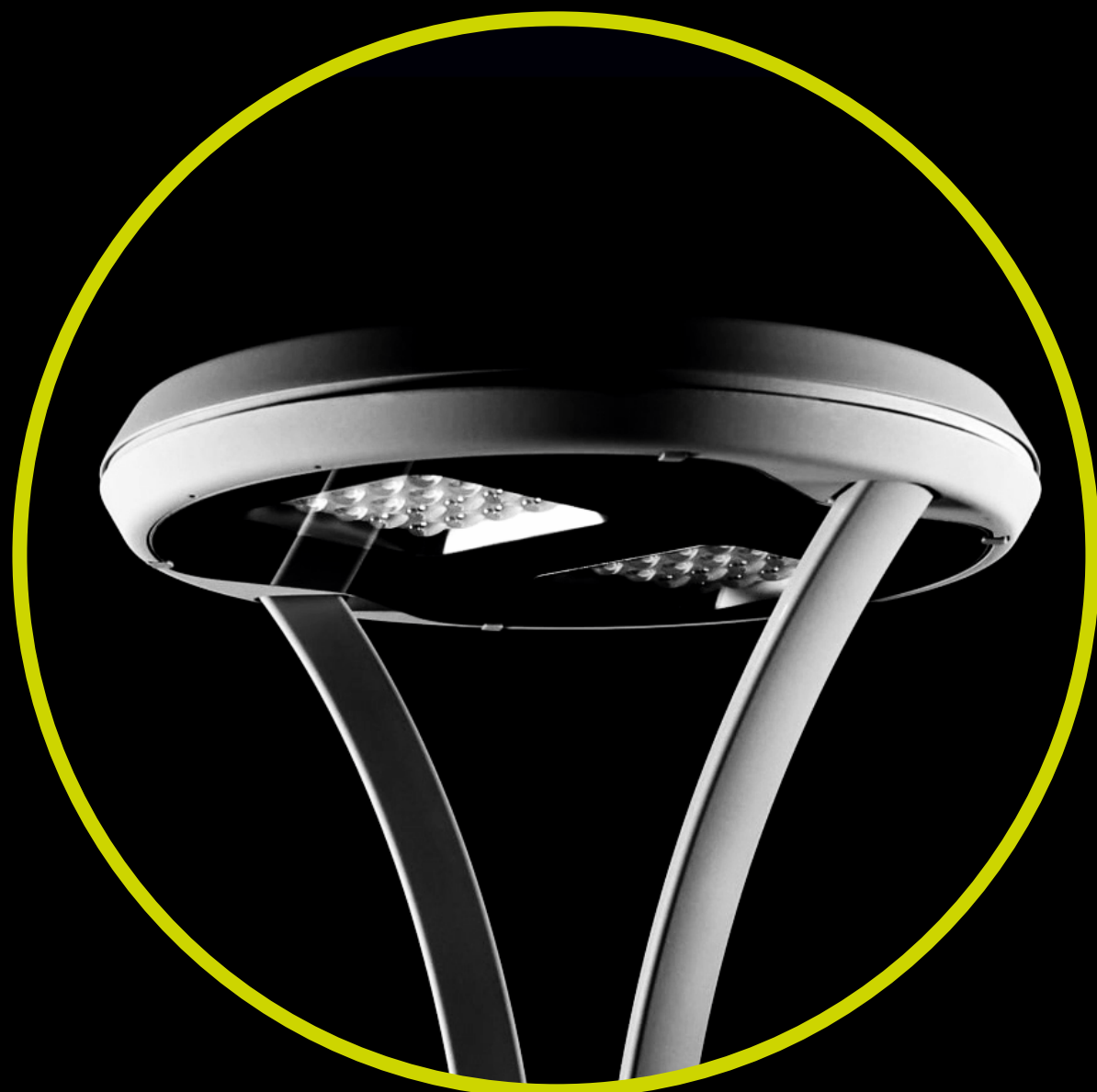




GMR ENLIGHTS have the technical know-how that allows to design and develop **3 different optic technologies** for LED lighting fixtures.

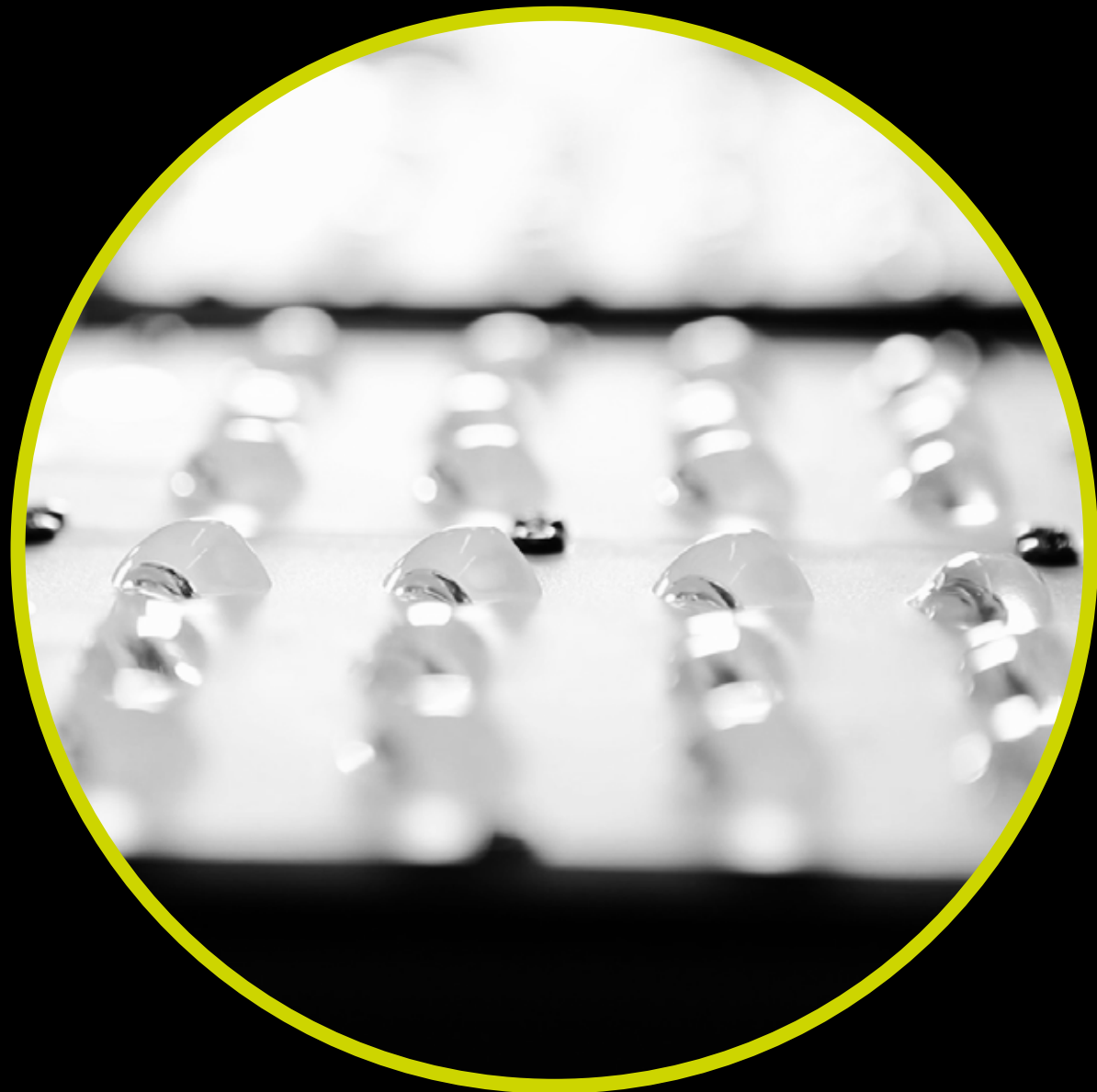
**GLASSED**

Refractive optical system composed of single-chip LEDs, PMMA lenses under warranty for 30 years against UV and yellowing due to ageing, aluminium recuperator with purity level at 99.7% and extra clear tempered glass.



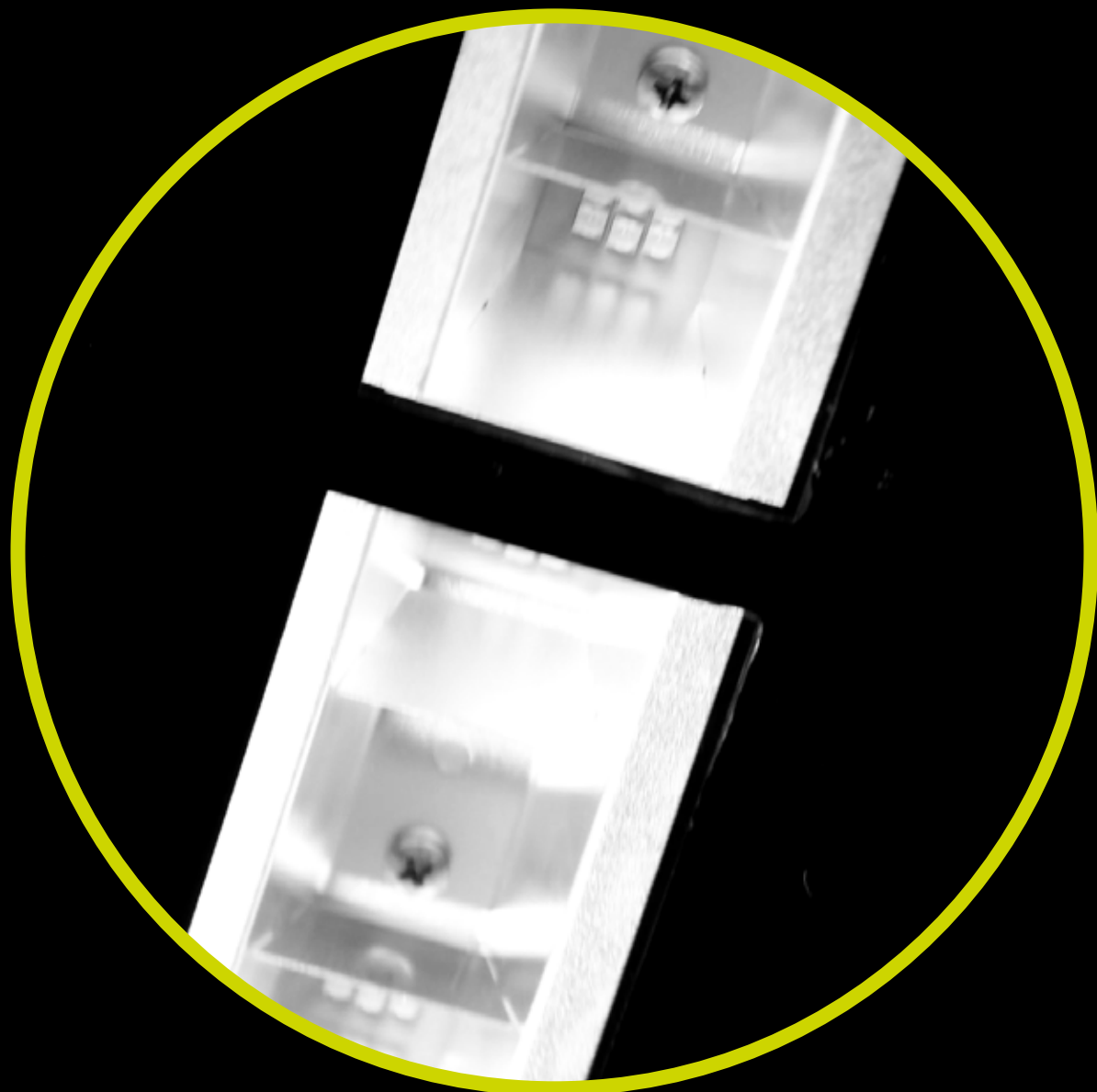
**GLASS FREE**

Refractive optical system composed of single-chip LEDs, PMMA IP66 and IK09 lenses with high impact resistance and under warranty for 30 years against UV and yellowing due to ageing (without glass).



**REFLEXA**

Reflective optical system composed of single-chip LEDs, extra pure aluminium reflector with silver PVD treatment and extra clear tempered glass.

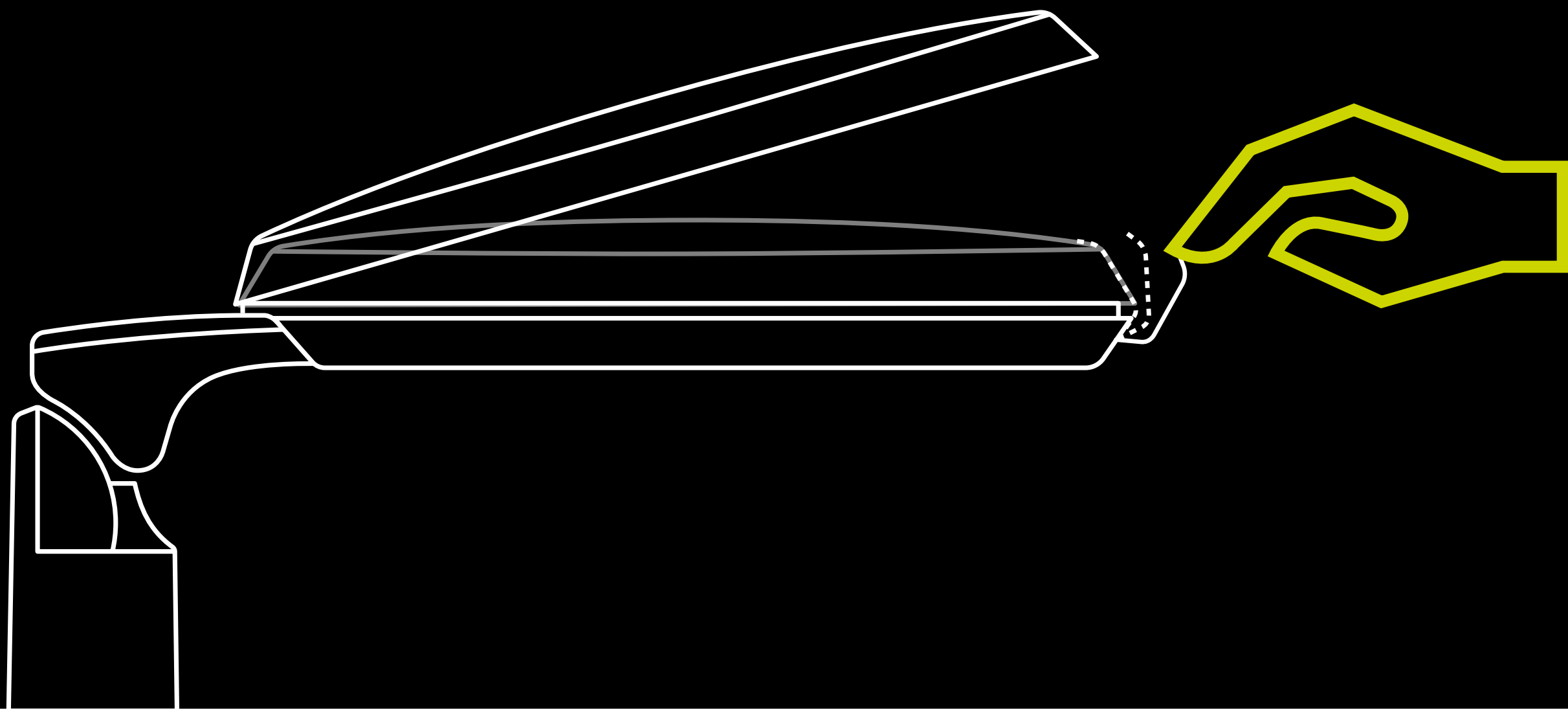




GMR ENLIGHTS products have been developed to **facilitate accessibility and maintenance**. Most fixtures can be opened and internal components can be replaced without the use of tools. In some cases, **specific accessibility solutions** have been developed without compromising the product design by implementing the best technical solution.

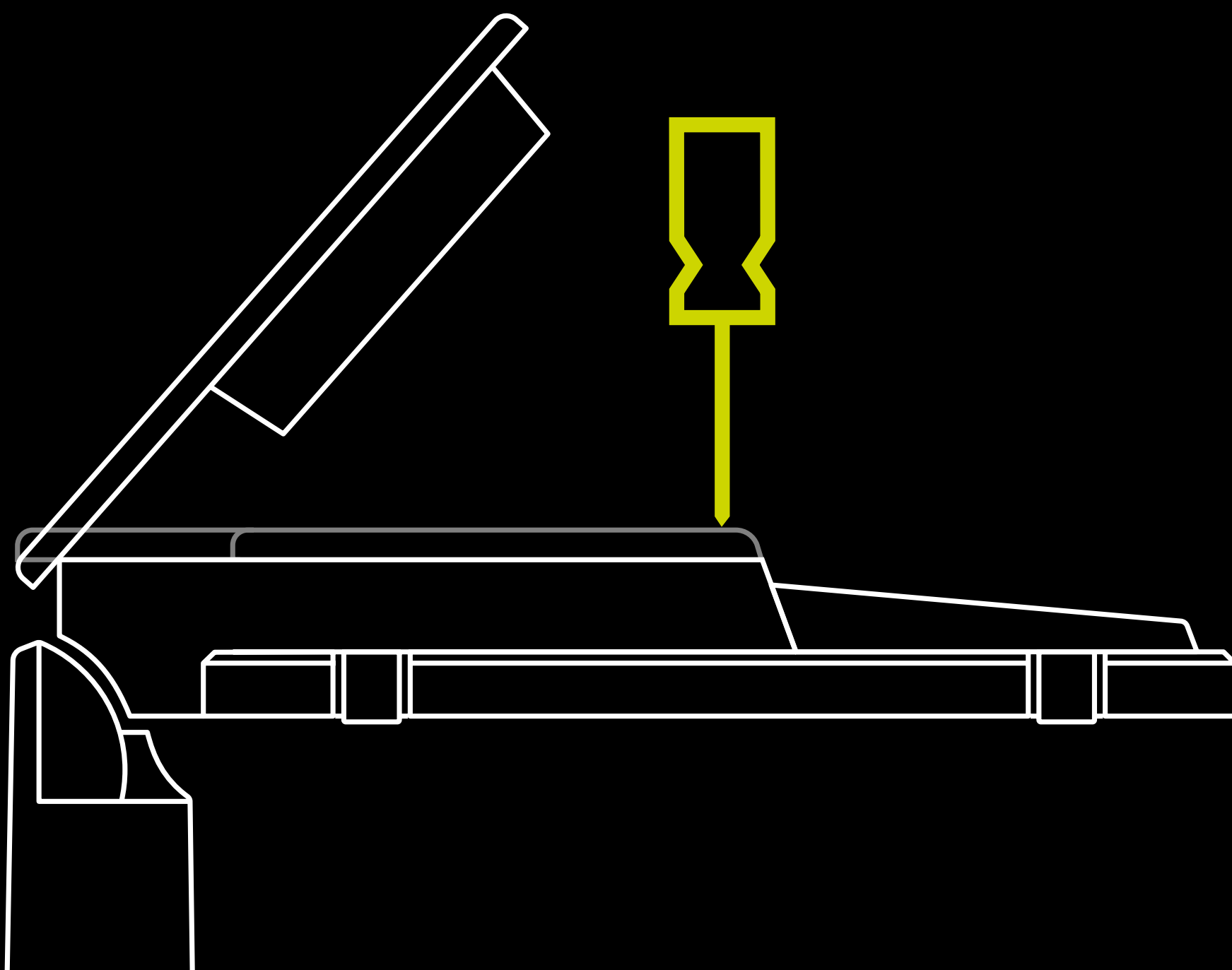
**TIMELESS**

Fixture can be opened and regenerated; internal components can be replaced **WITHOUT** the use of tools.



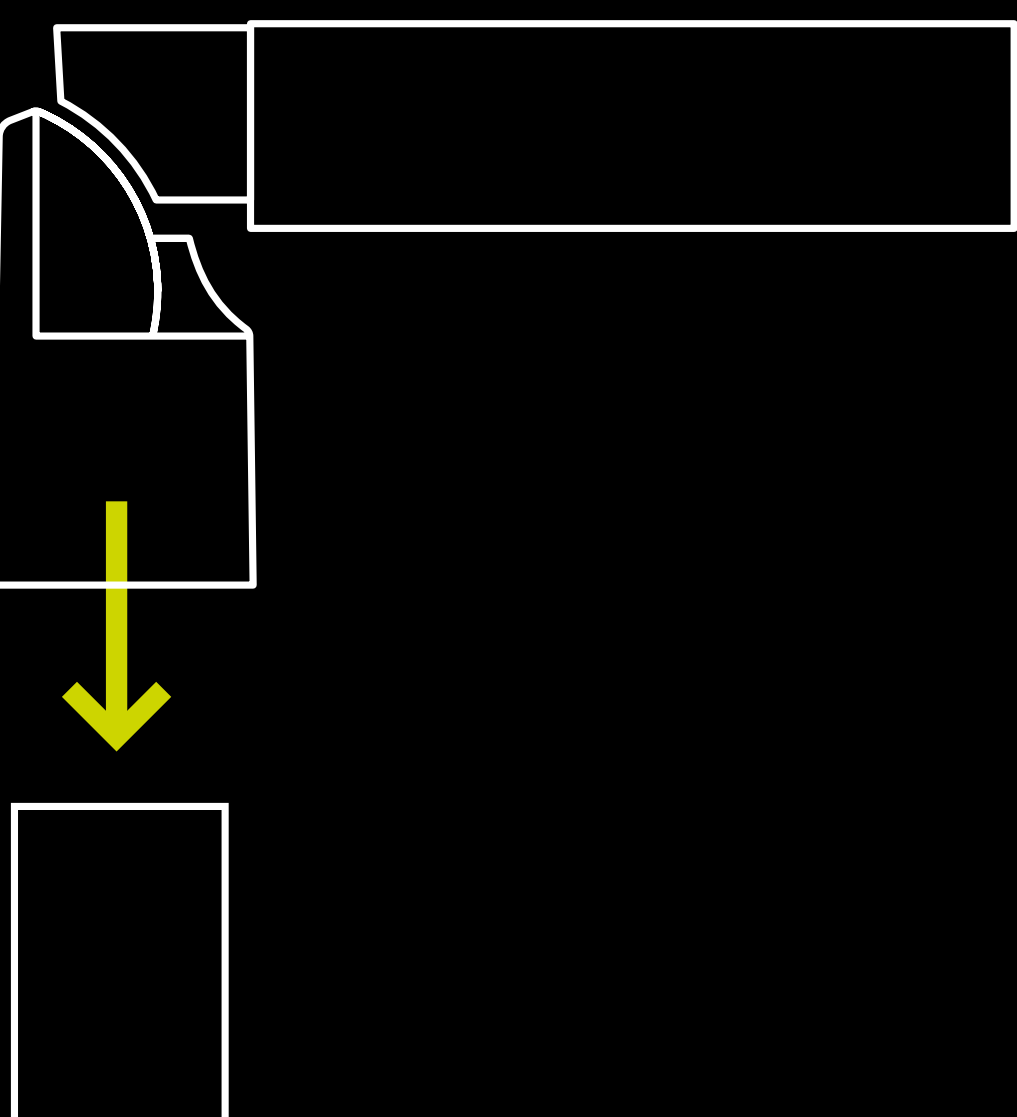
**OPENABLE**

Fixture can be opened and regenerated; internal components can be replaced **WITH** the use of tools.



**COMPACT**

Sealed fixture, supplied with quick connector for **immediate installation**.

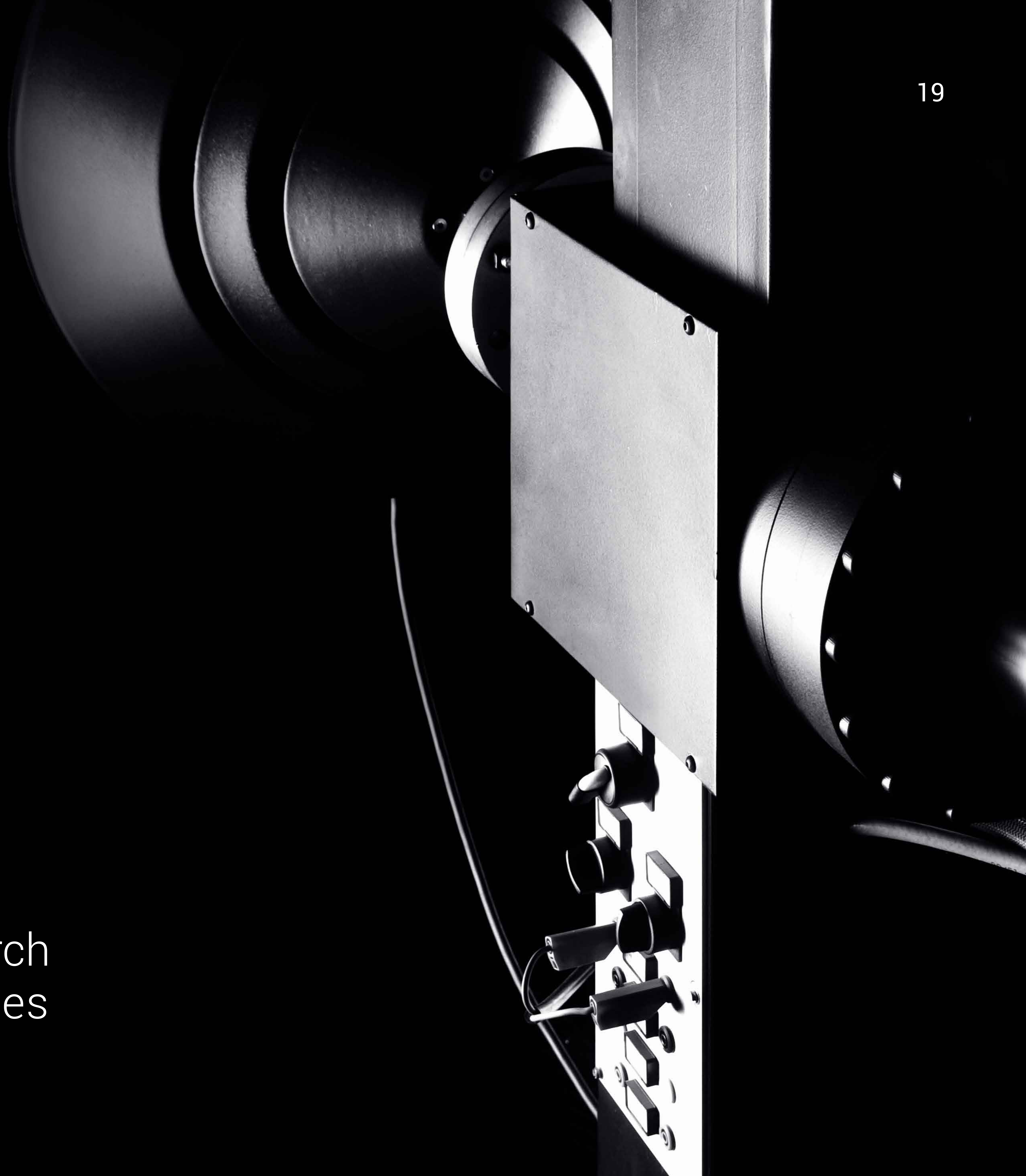




# PERFORMANCE

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We are in constant search  
of solutions that reaches  
top performances.



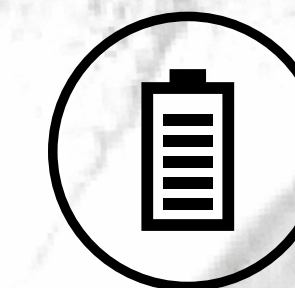


GMR ENLIGHTS offer solutions with aesthetic design value combined with the best LED technology.



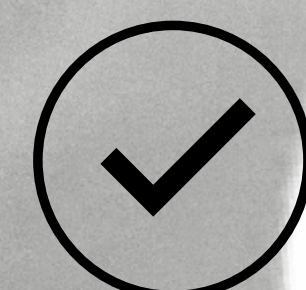
**Long Life**

All GMR ENLIGHTS products make use of **LED sources able to guarantee the maximum** service life of the fixture, with a typical luminous output decay of **L90B10 100,000h** (LM80 – TM21 protocol).



**Energie Saving**

The LED technology guarantees an actual **energy saving between 50% and 80%**. Our goal is a relentless research of technological solutions in order to reduce energy consumption and improve lighting performance.



**LED chip quality**

We use the best LEDs in the market. We work closely with the manufacturer and we have identified and approved a specific selection of LEDs that guarantee a **colour consistency  $\leq 3$  MacAdam steps**.



Our inhouse photometric laboratory enables us to verify the lighting performance of each lighting fixture right from its concept phase. The photometric analysis conducted by our engineers is paramount for us: not only an indispensable instrument for validation but allows us also to perform post-production examination and develop a credited database for the support of our customers.





The environmental conditions including mechanical and thermal stress to which a lighting device is inevitably subject, can adversely affect the light emission. For this reason, we are constantly looking for solutions to achieve maximum performance. Our attention to detail finds ample space during the design and engineering phases. The consequent prototype undergoes IP, thermal and IK testing in our internal laboratories, before the external certification by accredited lab.

### **Quality of the finishing touches**

Our products are certified for a salt spray endurance test of 8000 hrs ISO 9227, certified by recognised institute (this is equivalent to more than 11 months of consecutive testing). The test results ensure maximum durability of our product components even in extreme conditions.



### **Quality of fastening systems**

GMR ENLIGHTS light fixtures have passed the severe Vibration Test in accordance to IEC 60068-2-6 supporting critical vibration frequencies, that correspond to heavy motorised traffic environments. The test certifies the mechanical strength of the main body and the pole attachment system, including the electrical components and wiring.





### **IP66 Ingress Protection and up to IK10 Impact Resistance**

GMR ENLIGHTS light fixtures, as per ENEC certification, are all IP66 certified to protect against the ingress of solid objects and liquids, and up to IK10 for the protection against external mechanical impacts, equivalent to a force of 20J. The devices that don't achieve IK10 are certified IK09, that corresponds to a protection of 10J of impact energy.



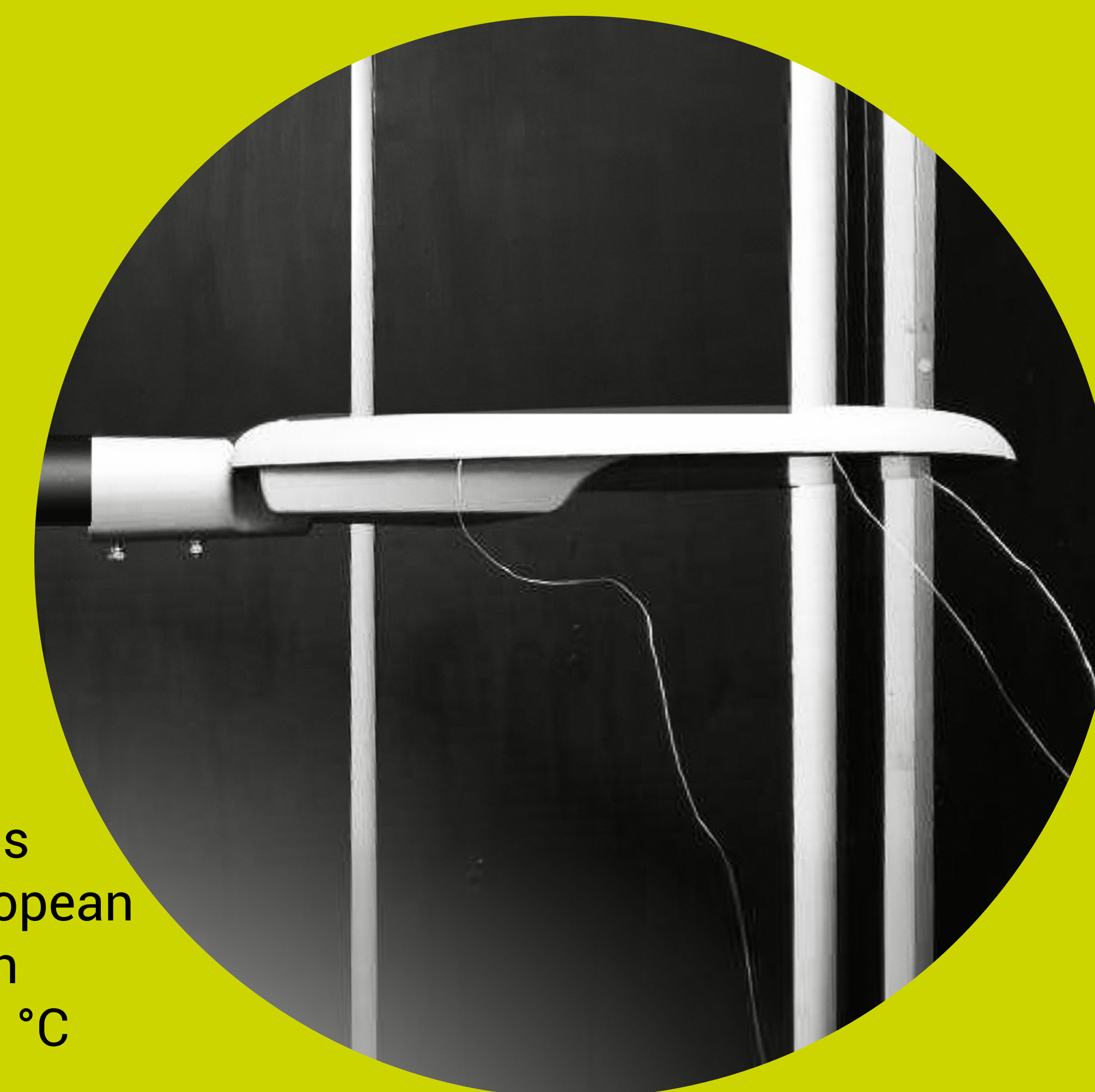
### **Up to 12kV/12kA Overvoltage and Electrostatic Discharge protection**

GMR ENLIGHTS light fixtures are developed ensure dielectric rigidity and protect the LED modules from electrostatic discharges. On request an additional SPD (Surge Protection Device) can be fitted to protect the fixture from surges **up to 12kV/12kA**.



### **Heat Resistance**

GMR ENLIGHTS light fixtures have obtained the ENEC European certification to operate at an ambient temperature of -40 °C and up to + 55 °C.





ISO 9001 and ISO 14001 standards validate GMR ENLIGHTS' ability to perform business processes and to manufacture products within a quality management system.





9001

ISO 9001 standard validates GMR ENLIGHTS' ability to conduct business processes and to manufacture products within a **quality management system**. This certification guarantees compliance with the effective standards and regulations for the design and production processes.

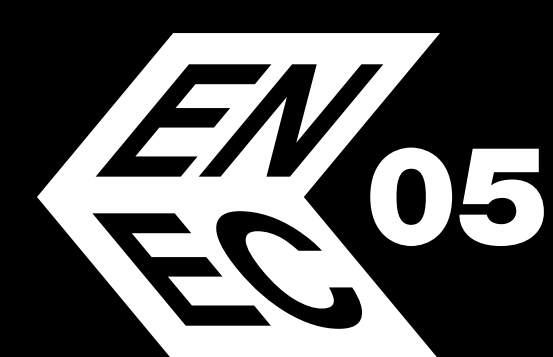


14001

With the **ISO 14001** standard, GMR ENLIGHTS analyses, manages, and controls its **impact on the environment**. We are committed to implementing a company policy that respects all legal requirements and indications regarding significant environmental aspects.



The CE label certifies that **GMR ENLIGHTS** products are produced and certified in accordance with the Community regulations.



ENEC is the European mark for the certification of lighting products. **GMR ENLIGHTS** lighting fixtures are ENEC certified and are subjected to strict inspections carried out by a third party that has the right to make use of its own laboratories and inspectors for periodic visits to the company.



In accordance with reference standards, tests and production processes are supervised by DEKRA Testing and Certifications S.r.l. to guarantee high quality products.



Products intended for particular markets are produced and certified in accordance with the regulations of the reference country. For the American market, **GMR ENLIGHTS** relies on ETL, a leader in the field of safety certification, which certifies the conformity of products with International Standards through periodic inspections in the company.



# SUSTAINABILITY

27

Light is one of the most important energy resources available for the human being.



Awareness to environmental sustainability and consideration of cultural and natural heritage is a topic that in the last decades has affected every aspect of economic development. For this reason, **we have decided to adopt an environmentally 'green' way of mindful choices**, with constant research and development, to deliver the "right light" both technically and functionally sustainable.

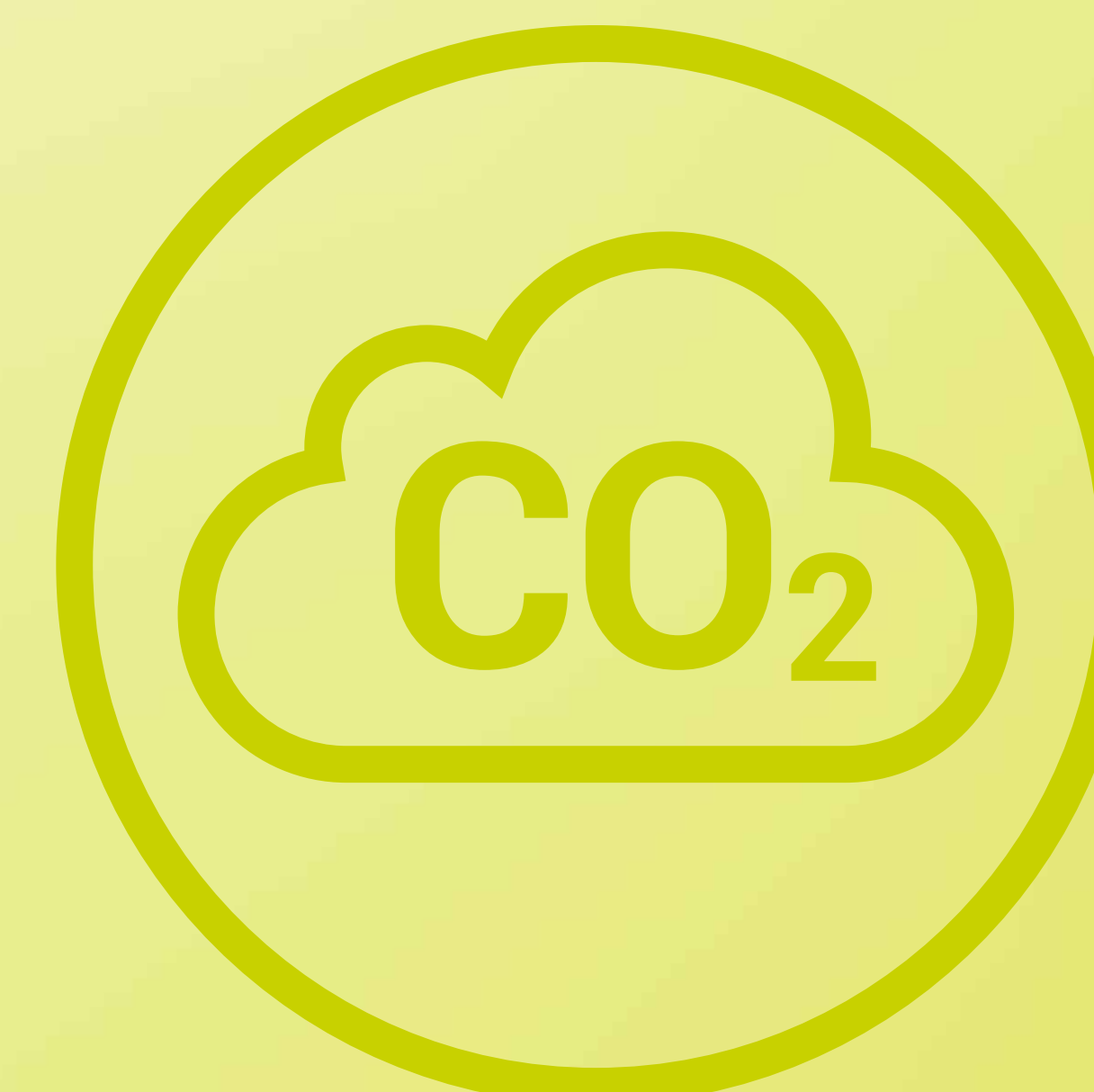
## ENERGY CLASSIFICATION

All GMR ENLIGHTS products comply with CAM - Minimum Environmental Criteria (Ministerial Decree - 27th September 2017, Official Gazette No. 244 - 18th of October 2017) and **provide the highest IPEA grades of energy classification.**



## EARTH SAVING

**Drastically reduced CO2 emissions** thanks to the combination of LED technology and our continuous research to improve efficiency.



## ZERO LIGHT POLLUTION

GMR ENLIGHTS designs and manufactures solutions capable of **minimising or eliminating light pollution** and waste of energy: All our public lighting devices are full CUT-OFF and **comply with light pollution regulations.**

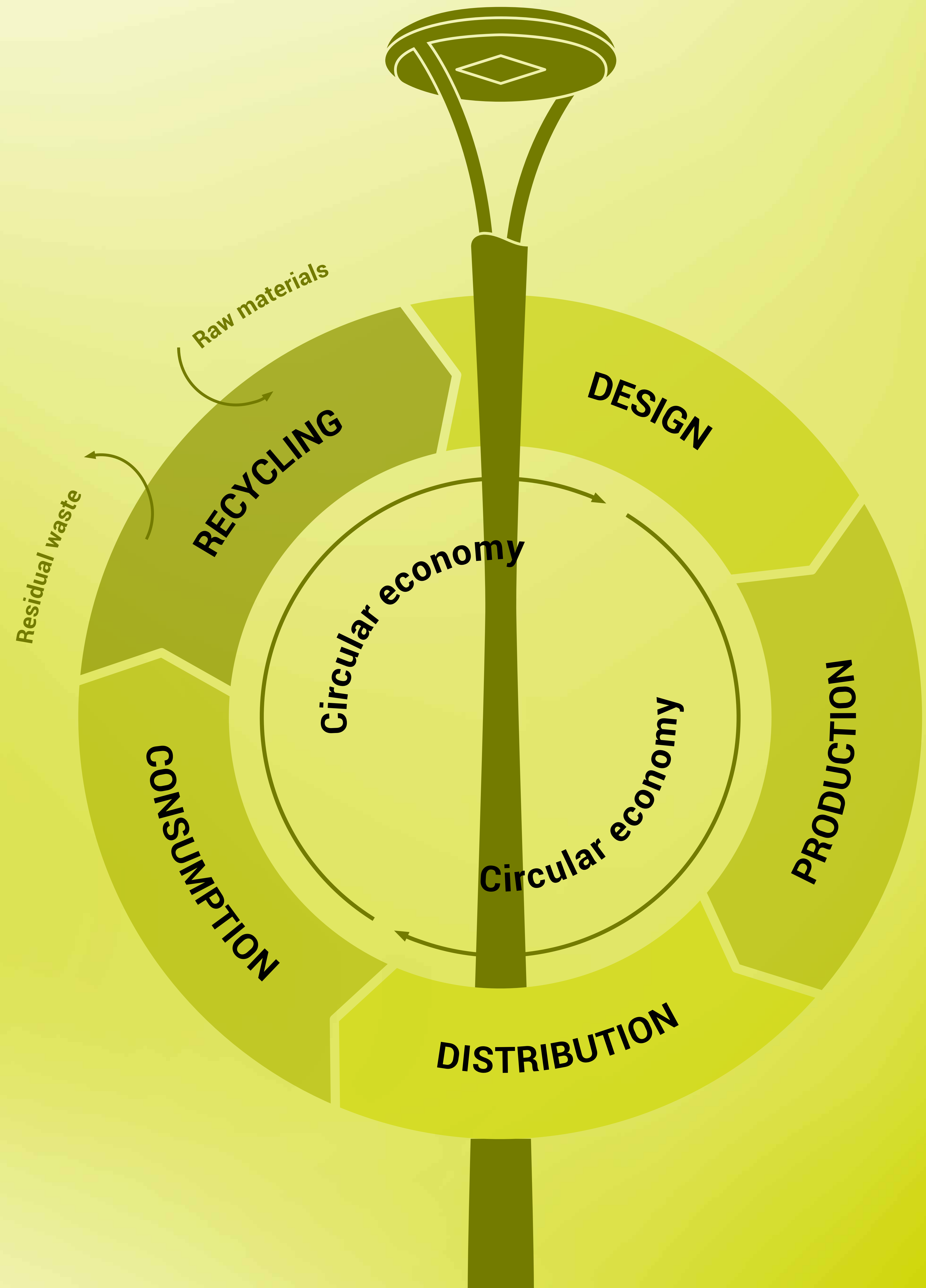


## LIFE CYCLE THINKING (LCT)

**All materials and resources are employed in sustainable way.** We strive to offer solutions that stand the test of time, minimising the need of maintenance.



Our products are designed and manufactured in compliance with a **circular economy** that is evermore subject to worldwide environmental regulations. GMR ENLIGHTS fixtures excel for their high performance in all relevant parameters and represent **excellence in environmental solutions** by integrating different energy saving systems including dimming and remote control. The introduction of LED lighting has enabled the miniaturization of the fixtures, with a considerable reduction of the materials needed for production.





# TOTAL LIGHTING SOLUTION











## Street lighting

Street lighting fixtures are ideal for functional applications or for areas of greater value.

The high technological level optic solutions available allows to reach the best performance in terms of energy saving and visual comfort, with a great engineered mechanic that makes easy and fast maintenance operations.

## *Available products*

33



Izar



LaFoglia



Rondò



Orn







## Floodlights

GRM ENLIGHTS offers a range of professional LED flood lights for lighting large areas, tunnels and industrial contexts.

Our LED floodlights for outdoor and indoor applications are designed with attention to weight and wind exposure, colour temperature selection and colour rendering.

We have developed products in STAINLESS STEEL entirely and specifically designed for road and motorway tunnels.

A line of industrial LED floodlights for commercial interiors and warehouses completes the offer.

GMR ENLIGHTS offers a wide range of LED urban lighting systems for the enhancement and furnishing of urban space.

## Available products

35



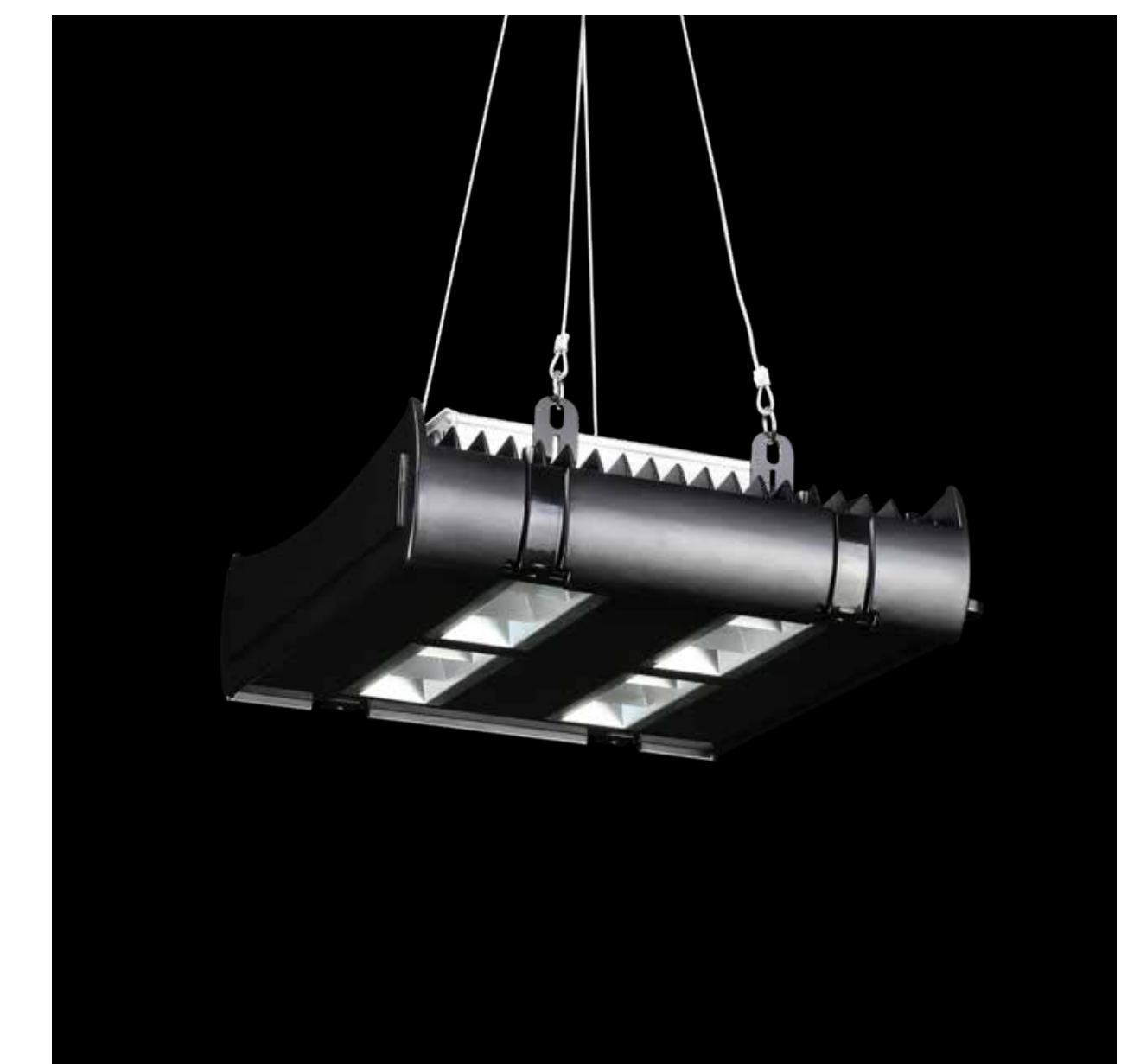
Tarus



Woltron



Cube



Hibra







**Contemporary urban lighting**

We developed an innovative products collection that combines a constant pursuit of lighting perfection with Italian design culture, respecting environmental dimension, energy saving and sustainability.

***Available products***



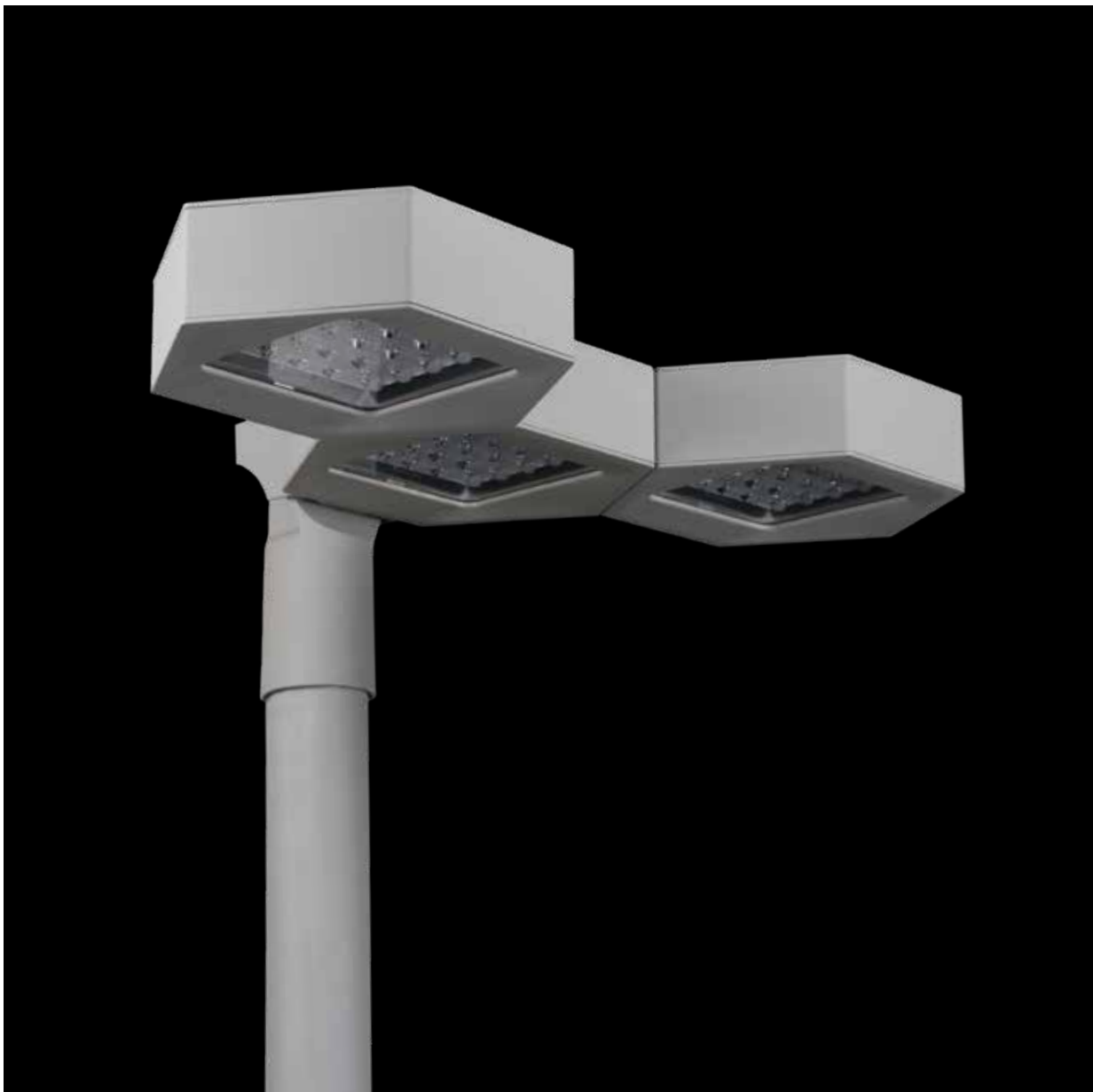
**Vesta**



**Virgo**



**Hulla**



**Esa**



**Pharos**



**Steel poles and brackets**







GMR ENLIGHTS offers a wide selection of LED urban designer lighting fixtures with a unique and recognisable design, to enhance city centres and residential streets, cycle paths and parks.

Our lighting collections are complete solutions where our lighting fixtures are designed in harmony with the support system.

We use the most advanced construction technologies to keep our products quality and aesthetic level very high. tecnologie di costruzione per tenere alto il livello qualitativo ed estetico dei nostri prodotti.



Krom



Aquilone



Camelot



Meldans



Yumi





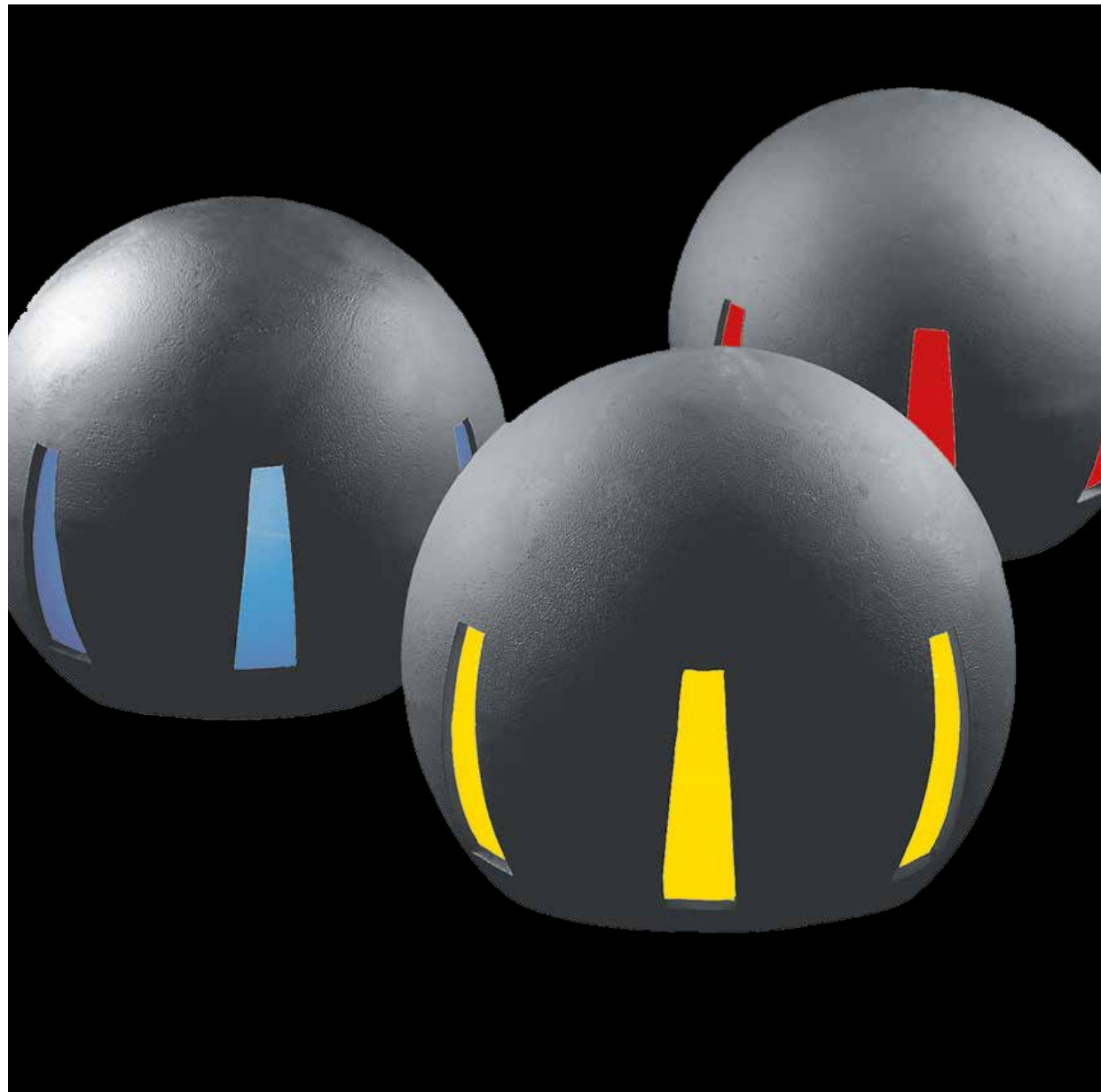


**Classic lighting fixtures and cast-iron and steel classic poles**

GMR ENLIGHTS offers a wide selection of products for the LED lighting of historical town centres and for the aesthetic enhancement of prestigious areas: cast iron lanterns and bollards, cast iron and cast iron-steel poles and brackets. Our collections combine the refined design of tradition with mechanical quality and the highest lighting performance.



**Lighting fixtures**



**Cast iron bollards**



**Cast-iron and steel poles and brackets**



**Ceiling suspension systems**



**Cast-iron poles and brackets**







Refined lighting fixtures that combine the historical design with the skilful use of optical systems for high quality and high aesthetic value LED lighting.

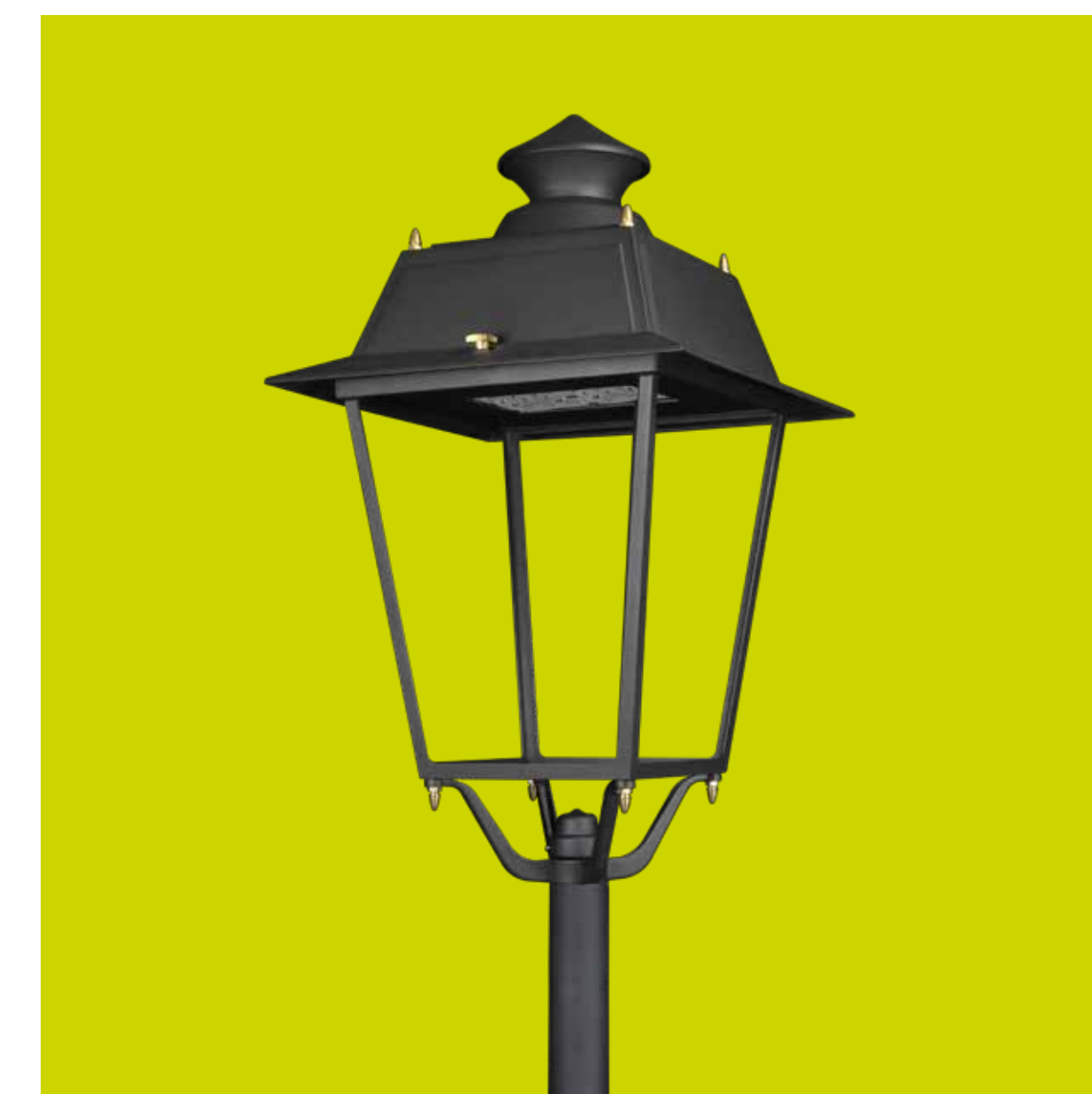
Each GMR ENLIGHTS historical lighting fixture is available in several versions: the distinctive design of each product is implemented with ornamental elements that allow different types of fixing, such as forks, cages or decorative accessories such as decorative rings and diffusers.



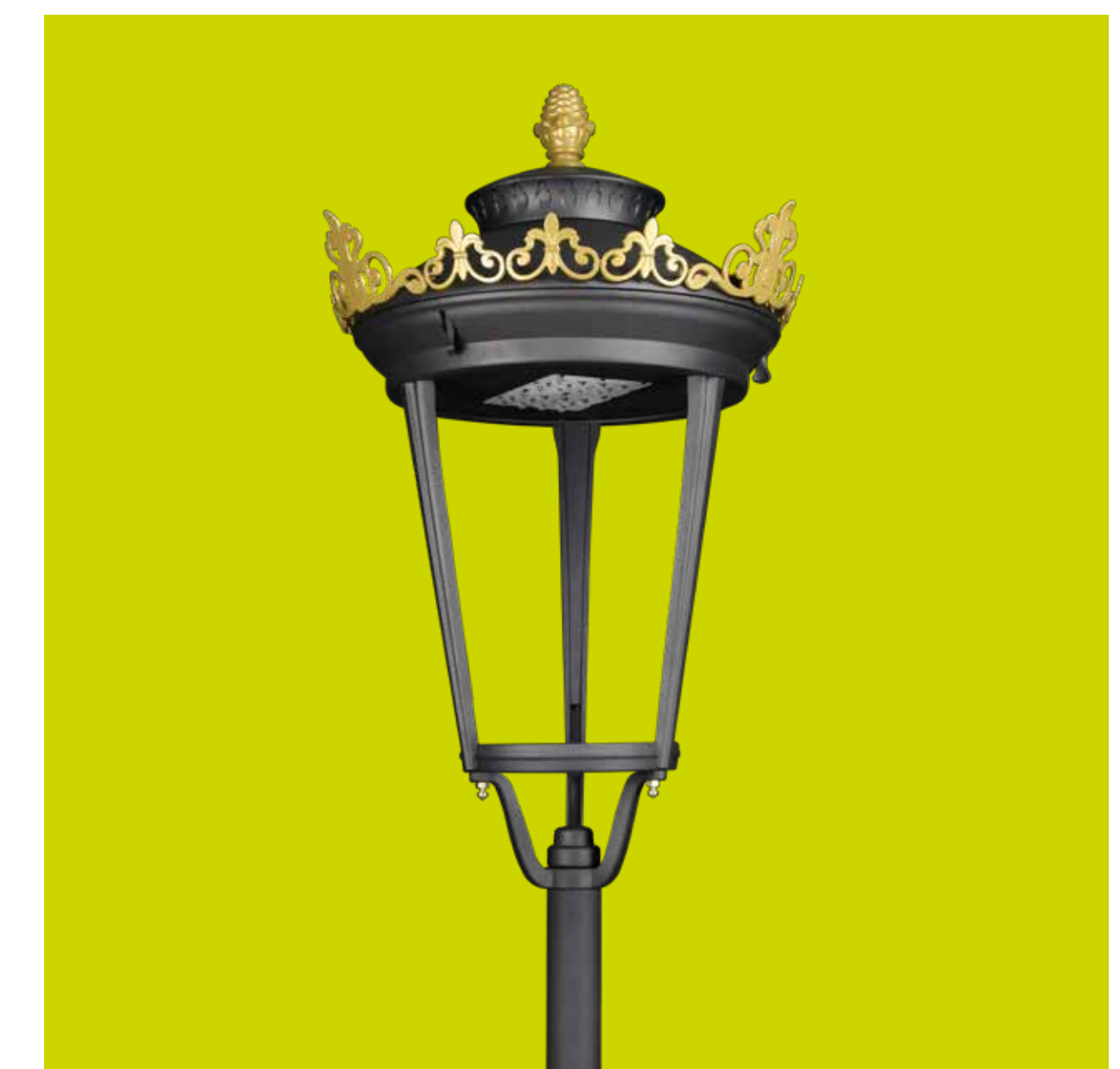
Oslo



Diamante



Square shape lantern



Nottingham

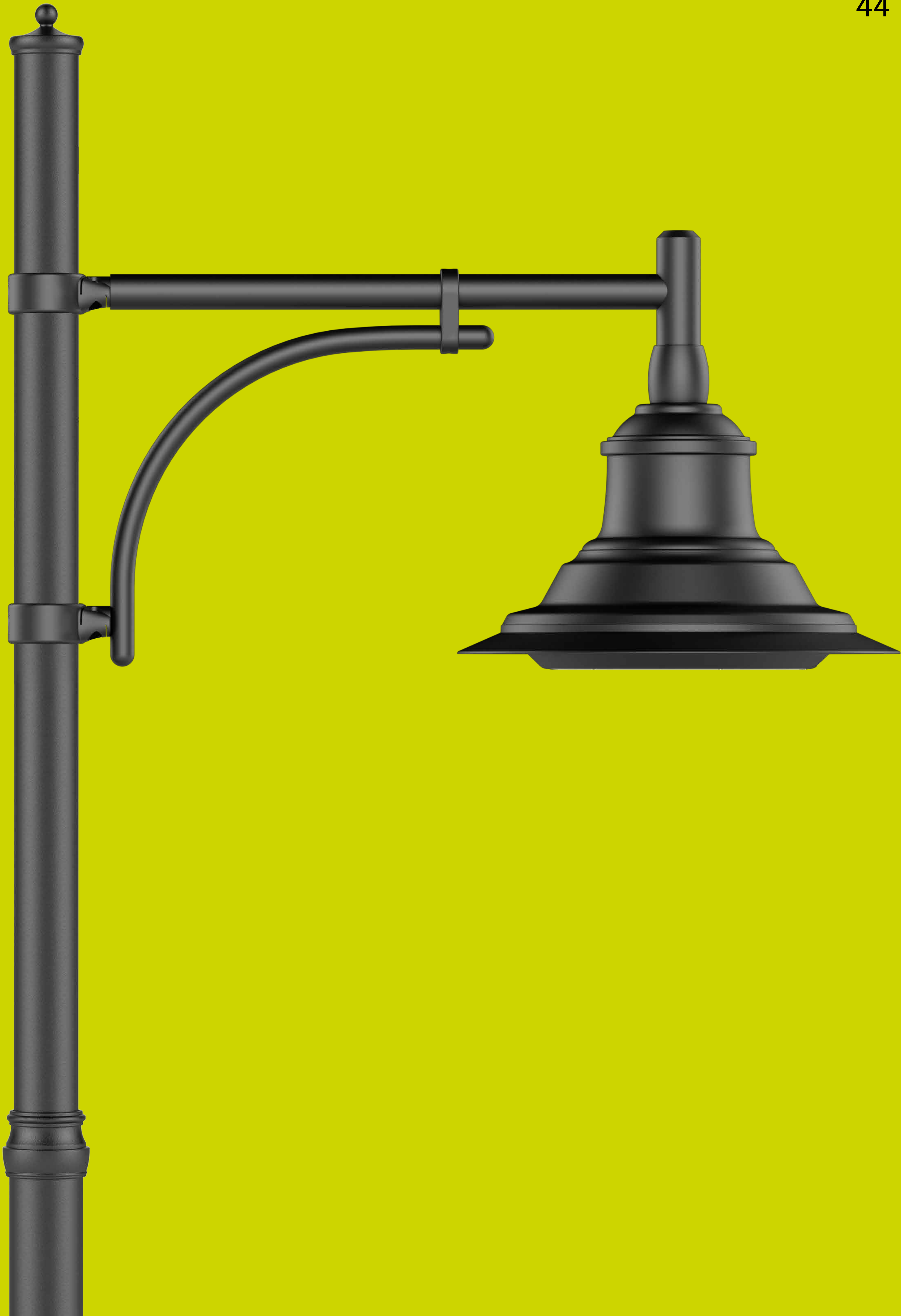


Cosenza - Gonnella



Mina - Gonnella







The collection of historical cast iron and steel poles offers a wide range of historical lighting solutions for furniture, where the simplicity of the undulated cylindrical pole is enriched by the elegant design of the cast iron base, the brackets and the pole arms.

The collection can be combined with historical lighting fixtures.









The beauty and charm of tradition are the keys elements of our cast-iron poles collection and brackets whose style ranges from classic and elegant design to sophisticated floral decorations.

The collection can be combined with historical lighting fixtures.



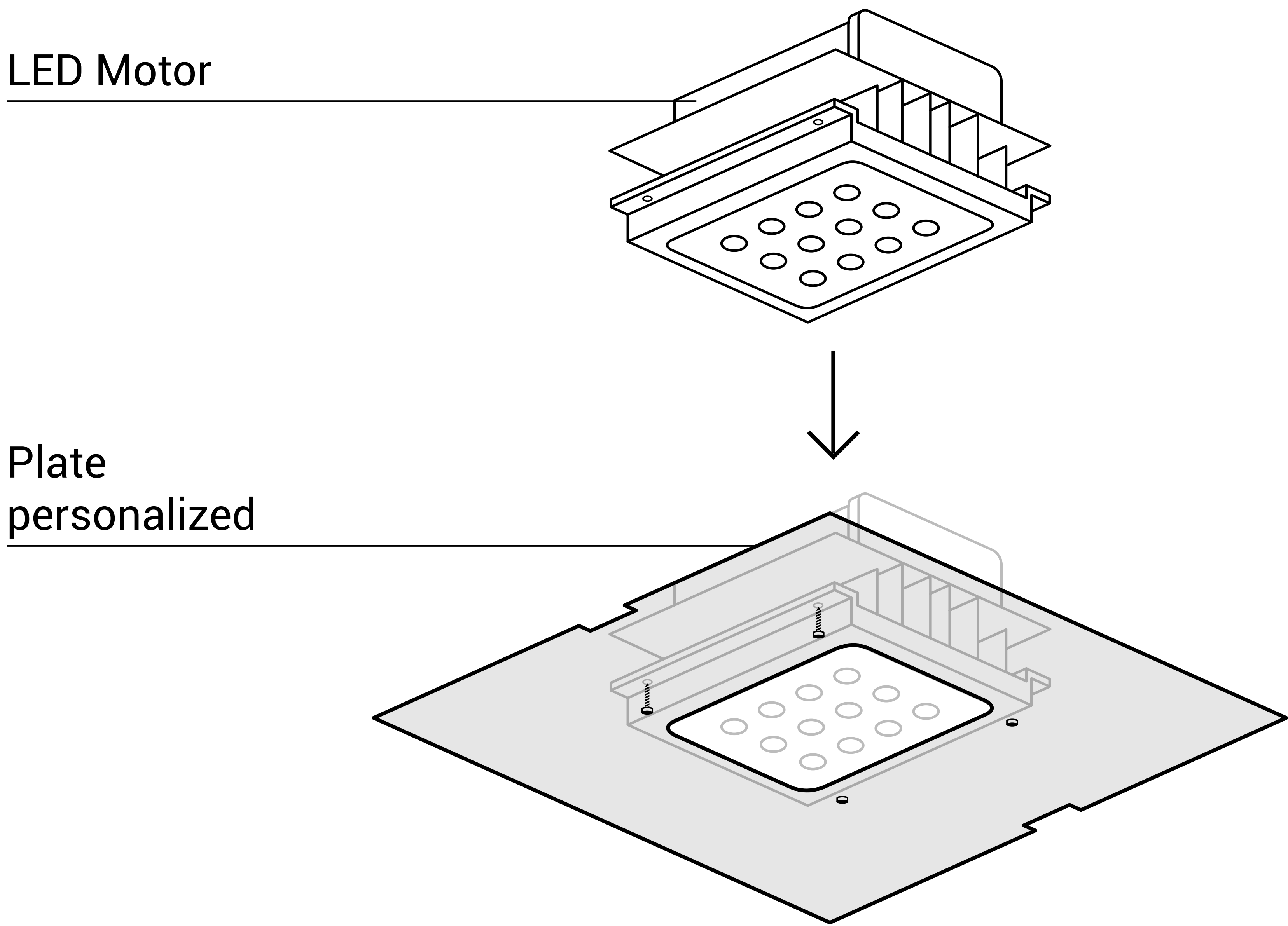




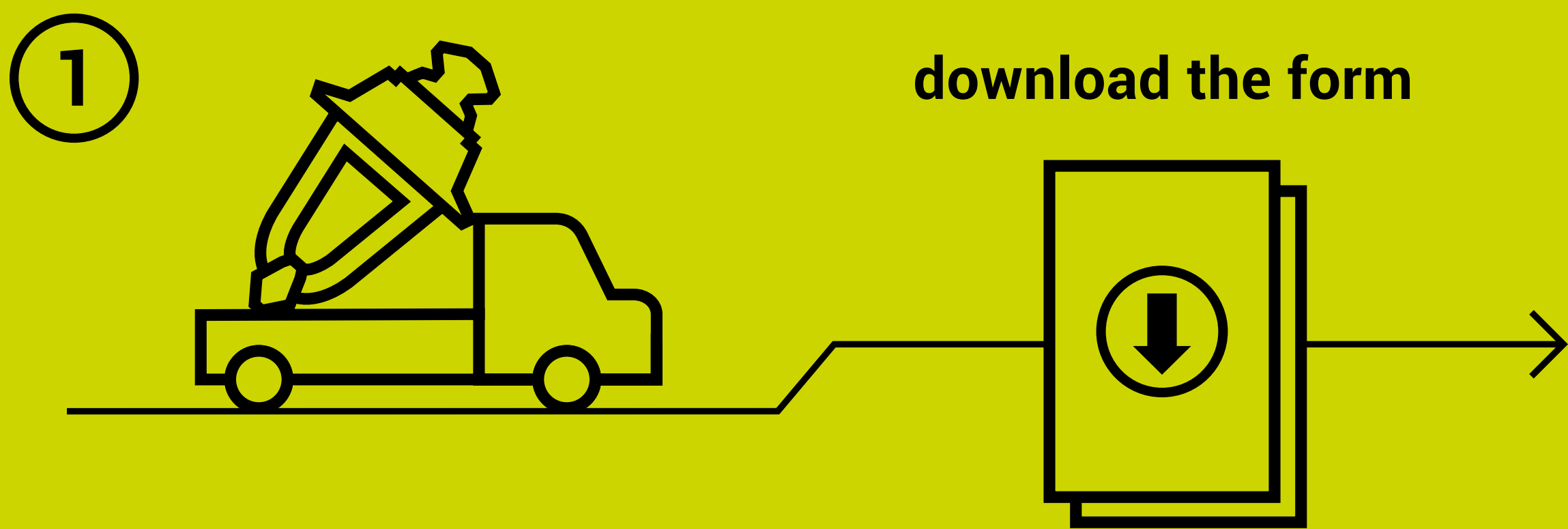


**ReLED is a Retrofit Kit for the conversion to LED of already installed fixtures.**

ReLED is the ideal solution for street lighting fixtures or urban street lamps, but especially used for historical lanterns with discharge technology whose aesthetics are often bound as Historical and Cultural Heritage. The LED part with its driver and dissipation system is implemented with a customised plate in a tailor-made solution.

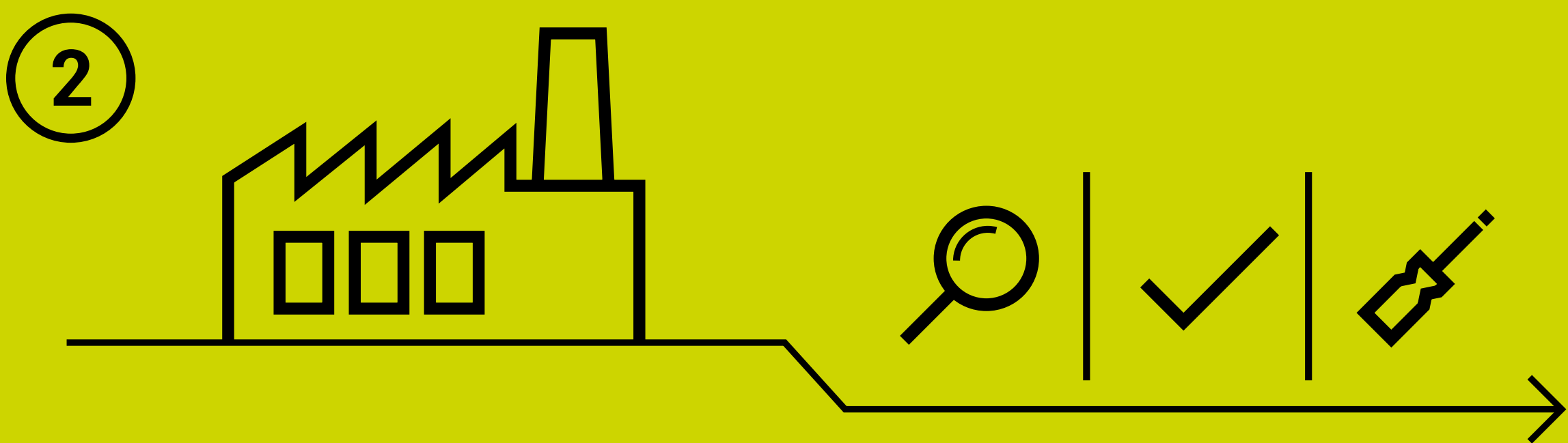


**TAILORED “STEP BY STEP”**



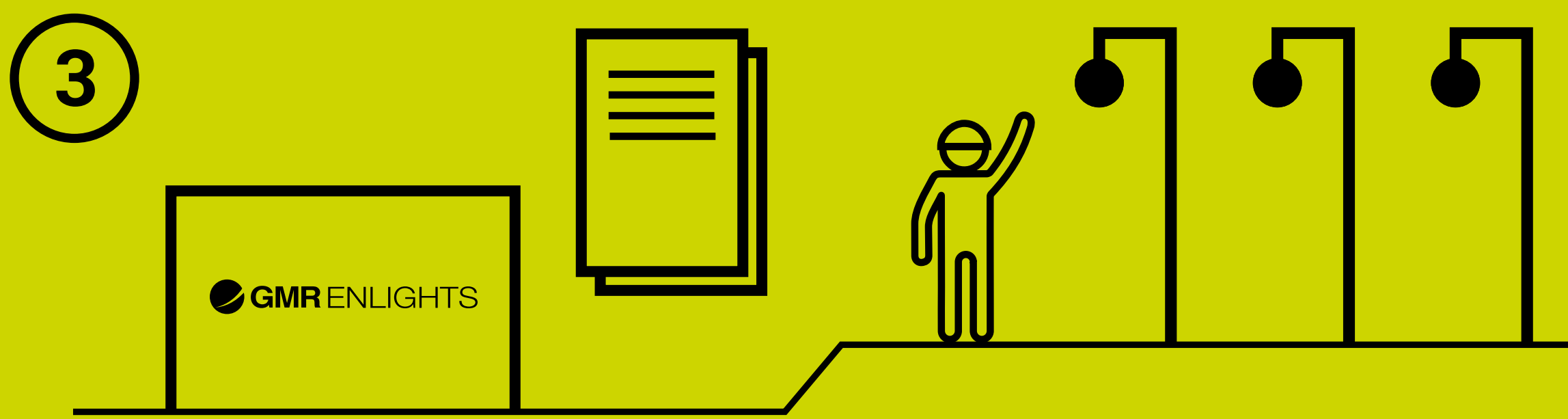
**INFO ACQUISITION**

A lighting fixture sample to be regenerated and/or a **request form** are sent to the company, with all the essential information for the elaboration of a proposal.



**PRODUCT DEVELOPMENT**

After a quick sample study phase, ReLED is adapted to the specific needs. This is followed by a prototype, test and verification phase prior to production.



**SUPPLY**

The product is supplied with a customised manual, ready for quick and easy installation.







GMR ENLIGHTS offers a **wide range of solutions for Urban Furniture**: benches, flowerpots, litter bins, ashtrays, bicycle racks, fountains, bollards, barricades, shelters, advertising panels, clocks, exclusive kiosks and structures for commercial activities.

The collections range from products with a contemporary character to solutions with a classic and traditional aesthetic, to objects of designer urban furniture, designed and developed in collaboration with leading architects.



Bollards



Barricades



Litter bins



Benches



Flowerpots



Bicycle racks



Electricity feeder pillar



Fountains



Information panels and display stands



Clocks



Shelters



Kiosks - Gazebos



## CUSTOM PROJECTS

GMR ENLIGHTS has the know-how and experience to develop poles and ad-hoc lighting systems with an exclusive design for prestigious projects.

Customised shelter.  
This product is part of urban and lighting collection realized ad hoc for the new Meshrib neighbourhood in Doha downtown.





# OUR PROJECTS



VENICE, ITALY



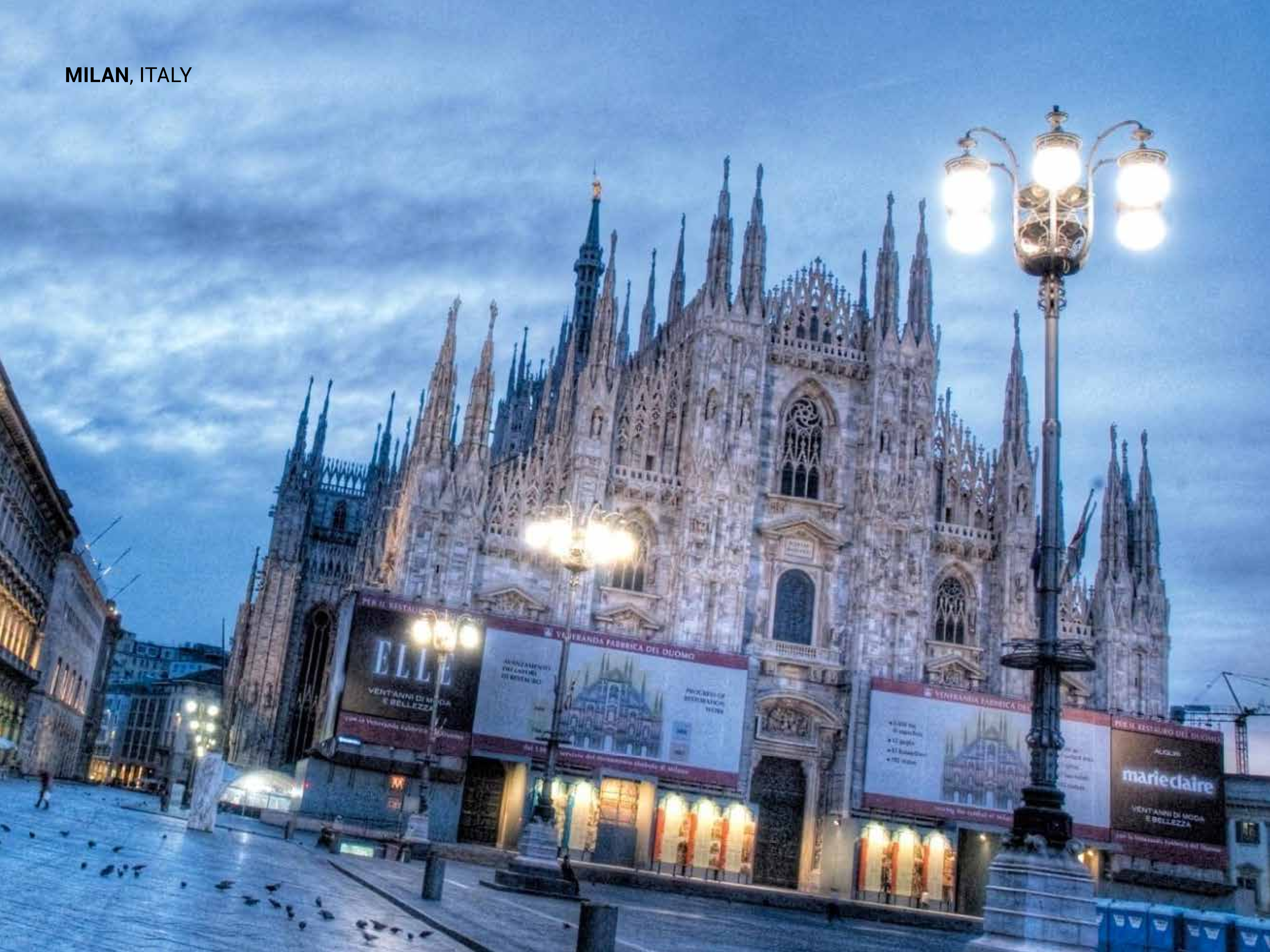




ROME, ITALY



MILAN, ITALY





FLORENCE, ITALY





TURIN, ITALY







NAPLES, ITALY



VIAREGGIO, ITALY





VERCELLI, ITALY



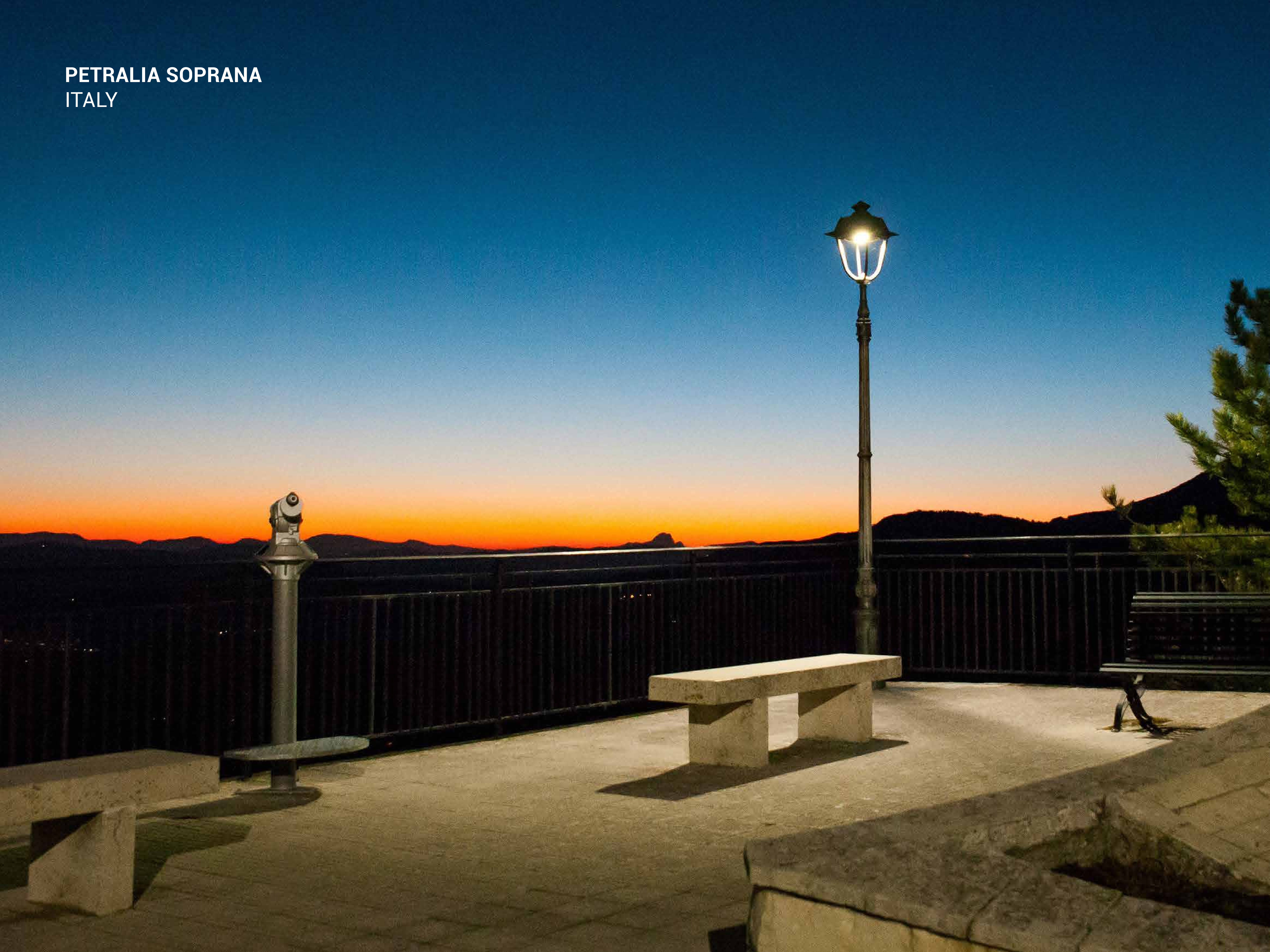


ALBEROBELLO  
ITALY





PETRALIA SOPRANA  
ITALY





BARI, ITALY





ORTONA, ITALY





PALERMO, ITALY





CESENA, ITALY





**RIMINI, ITALY**





MILANO MARITTIMA, ITALY





ARONA, ITALY





**MONTALTO DELLE MARCHE, ITALY**





MADINAH, SAUDI ARABIA





BAKU, AZERBAIJIAN





UMAGO, CROATIA





KONGEHØJDEN, DENMARK





ABU DHABI, UNITED ARAB EMIRATES





AMMAN, JORDAN





BANGALORE, INDIA





BIRMINGHAM, ENGLAND





DURHAM, ENGLAND





REYKJAVÍK, ICELAND





**JERUSALEM, ISRAEL**







KUWAIT CITY, KUWAIT



BEIRUT, LEBANON





SIDI BENNOUR, MAROCCO





MARRAKECH, MAROCCO





ZENATA, MAROCCO





PETROL STATION, NORWAY





EINDHOVEN AIRPORT, HOLLAND





OLSZYNKI, POLAND





DOHA, QATAR





MSHEIREB DOWNTOWN DOHA, QATAR



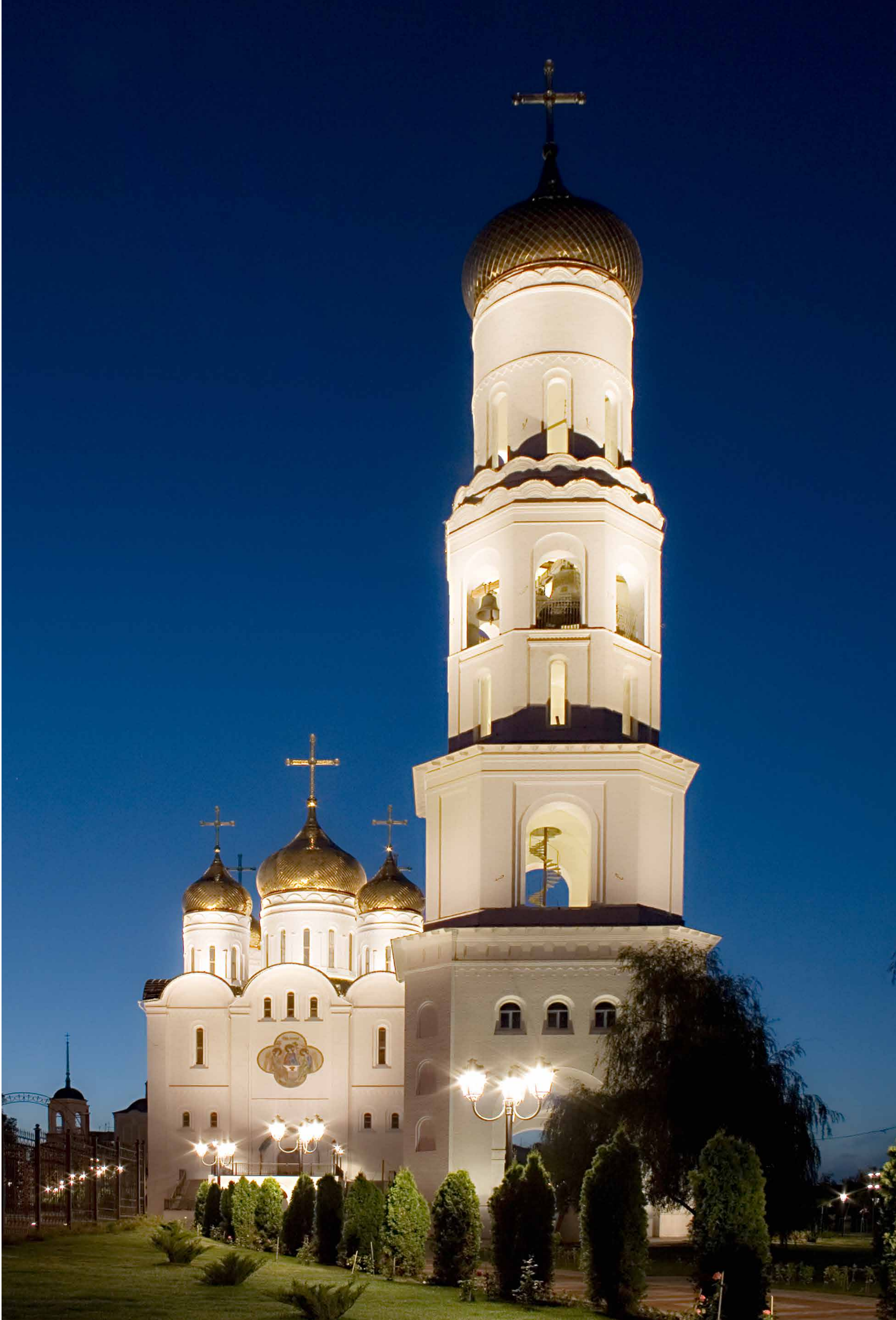


BRAZOV, ROMANIA





BRYANSK CATHEDRAL, RUSSIA





GROZNY, RUSSIA





MIAMI, USA





SAINT ANDRÉ SUR CALLY, FRANCE





DEAD SEA  
ISRAEL

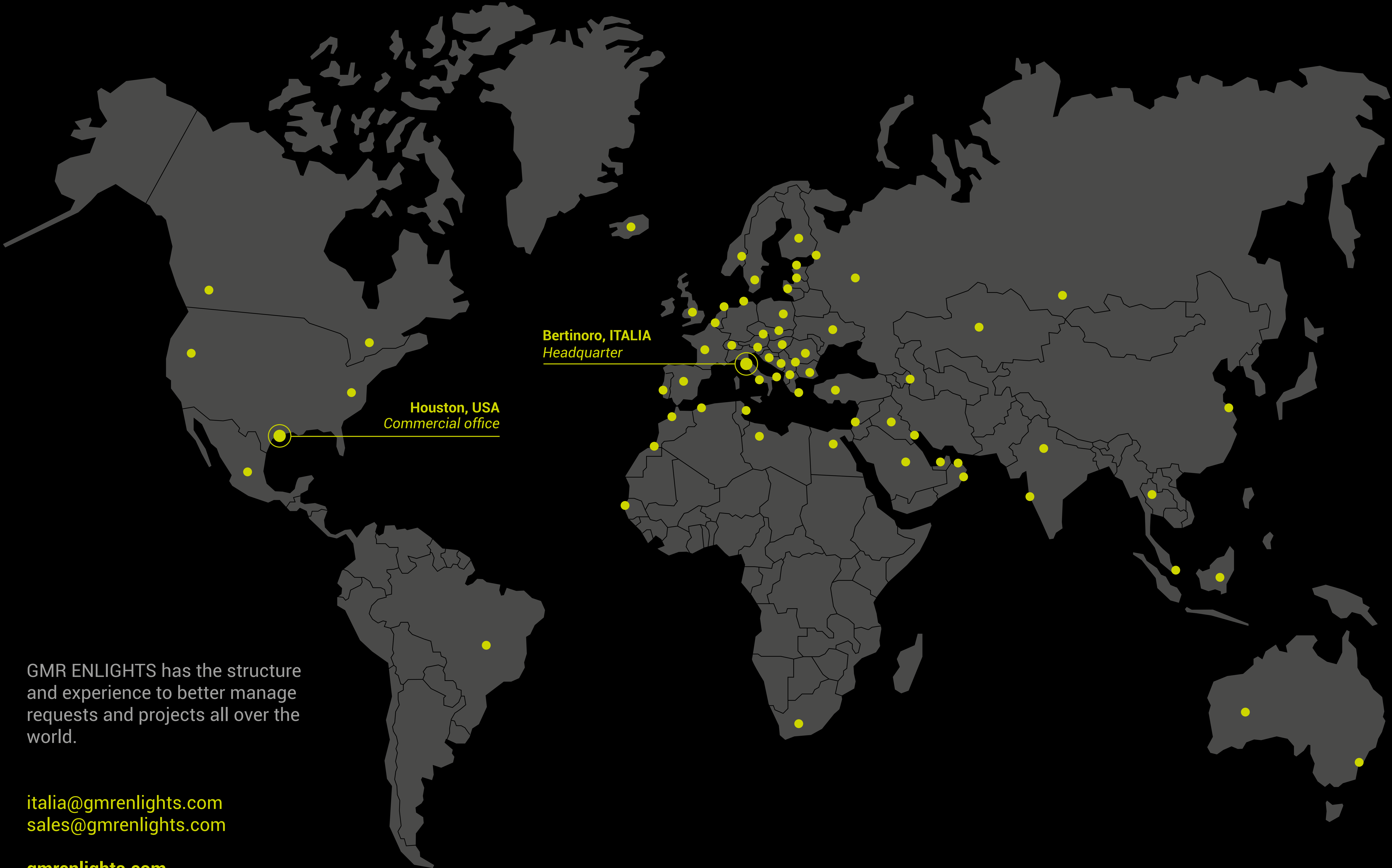




PORT BARCARES  
FRANCE







GMR ENLIGHTS has the structure and experience to better manage requests and projects all over the world.

[italia@gmrenlights.com](mailto:italia@gmrenlights.com)  
[sales@gmrenlights.com](mailto:sales@gmrenlights.com)

[gmrenlights.com](http://gmrenlights.com)





## **Credits**

Art direction: Davide Callisesi

Graphic design: Davide Callisesi

Text: GMR ENLIGHTS

Photography: GMR ENLIGHTS archive

Rendering: GMR ENLIGHTS archive

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**GMR ENLIGHTS**

via Grande, 226

47032 Bertinoro (FC) ITALY

T +39 0543 46 26 11

F +39 0543 44 91 11

[info@gmrenlights.com](mailto:info@gmrenlights.com)

[gmrenlights.com](http://gmrenlights.com)