

Three vertical panels are positioned side-by-side. The left panel shows a close-up of a concrete wall with a horizontal joint and a diagonal shadow. The middle panel shows a piece of weathered, dark brown wood with prominent grain and cracks. The right panel shows a close-up of a highly reflective, metallic surface with flowing, wavy lines.

nowatt

PRODUCT CATALOG
SOLAR LIGHTING UNITS



RETHINKING LIGHT, **UNLOCKING SPACES**

Nowatt came about through a conviction: lighting can form a bridge between material and use. More than just a technology, it's a new way of lighting, autonomous and environmentally responsible.

**LIGHT SOURCED FROM
THE SUN, NO MAINS PLUG,
NO BILLS, FREE OF ALL
CONSTRAINTS.**

Designed to match the special features of each location, Nowatt solutions offer modular lighting solutions.

They combine technical performance and richness of finish to provide lighting for quiet pathways, landscaped areas and urban spaces.

Today, solar lighting has become an **obvious** solution. It meets the constraints of our times, both technical and environmental. It's reliable, easy to set up and can be adapted to local conditions while respecting the surroundings.

IT'S MORE THAN AN ALTERNATIVE: IT'S A NEW WAY OF LIGHTING, MORE FLEXIBLE AND MORE RESPONSIBLE.

FREEDOM OF SPIRIT

Proven technology, rigorous dimensioning and smart energy management ensure solar lighting complete year-round autonomy under the most demanding conditions.

FREEDOM OF INSTALLATION

Needing no cables or trenches, solar lighting can be installed just where you want, when you want: in town centres, nature areas or preservation sites. Freed from electricity networks, lighting performs its essential function: accompanying users and illuminating the surroundings.

“
LIGHTING FREEDOM,
WITHOUT CONSTRAINTS



Designed for the flow of users and for illuminating the way; our lighting units provide uninterrupted and controlled light. They structure pathways, provide visible markers and make features stand out.

THE RIGHT LIGHTING IN THE RIGHT PLACE.

Discrete but essential, this lighting supports the evolving uses of outdoor spaces. With their unique photometric performance, Nowatt products cover large inter-distances while ensuring comfort and uniformity.

Marking become a language of light serving architecture and landscape. Solar studs and bollards lend soft lighting to spaces, delivering targeted light, ideal for making pathways safe while limiting light pollution.

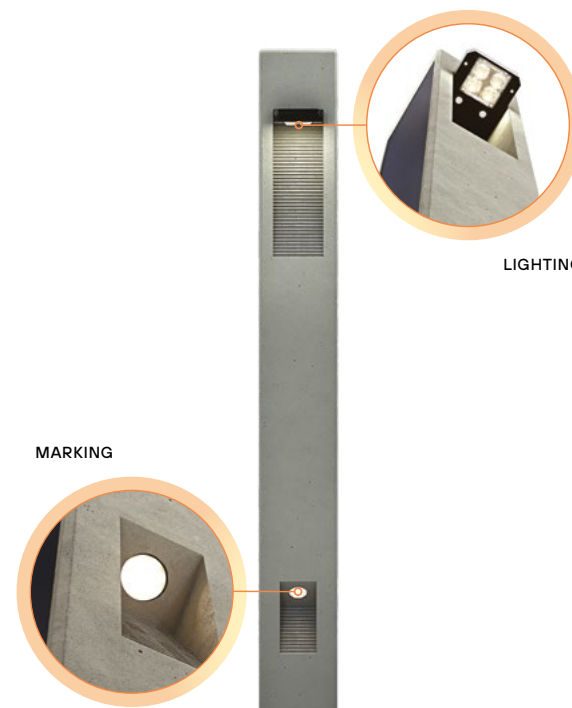
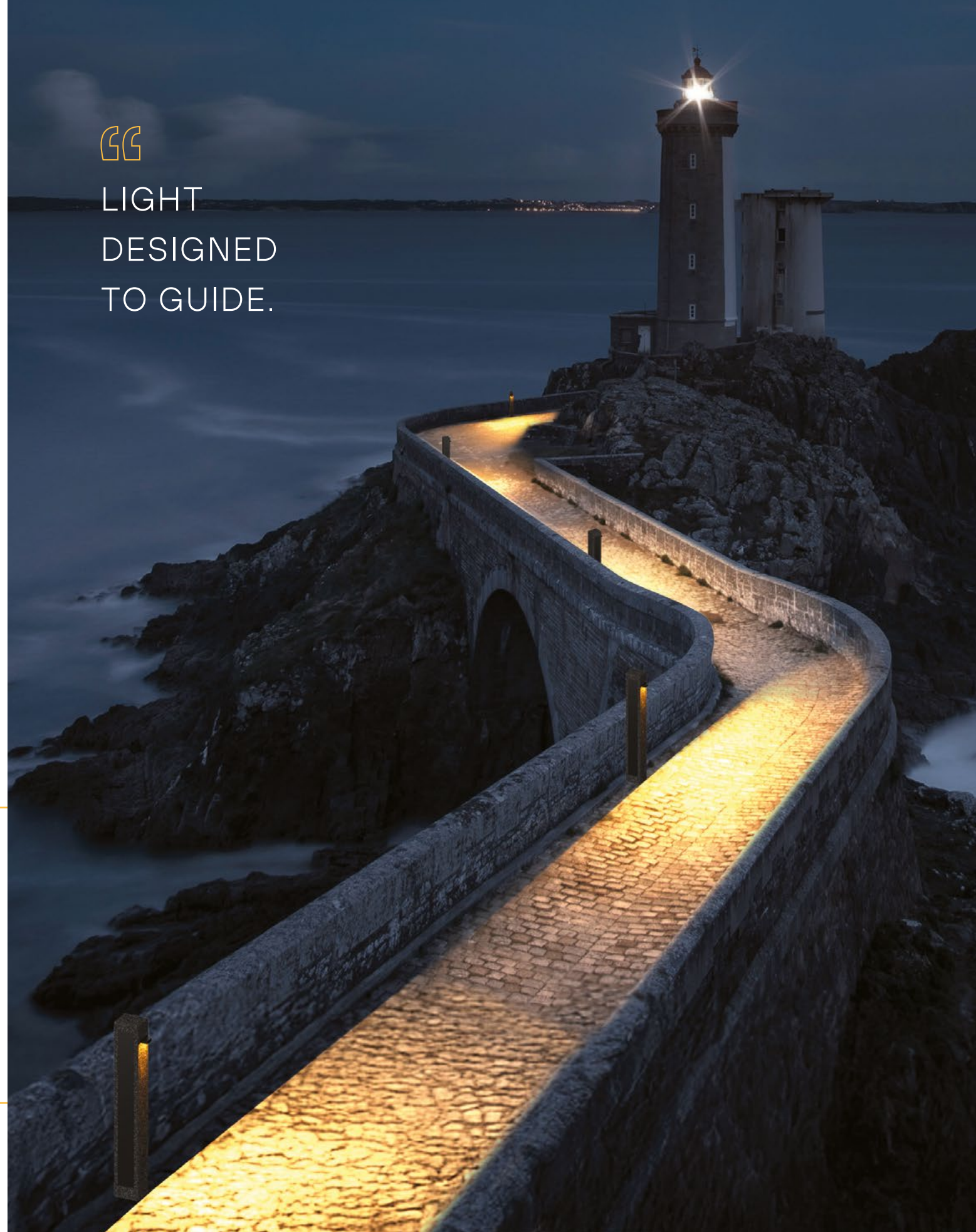


SPECIALLY DESIGNED FOR:

- + **SUSTAINABLE MOBILITY**
(footpaths, promenades, cycle tracks, etc.)
- + **LANDSCAPED AREAS** (parks, gardens, marinas, camping sites, residential areas, retail parks etc.)
- + **URBAN AREAS**
(forecourts, squares, esplanades and car parks etc.)



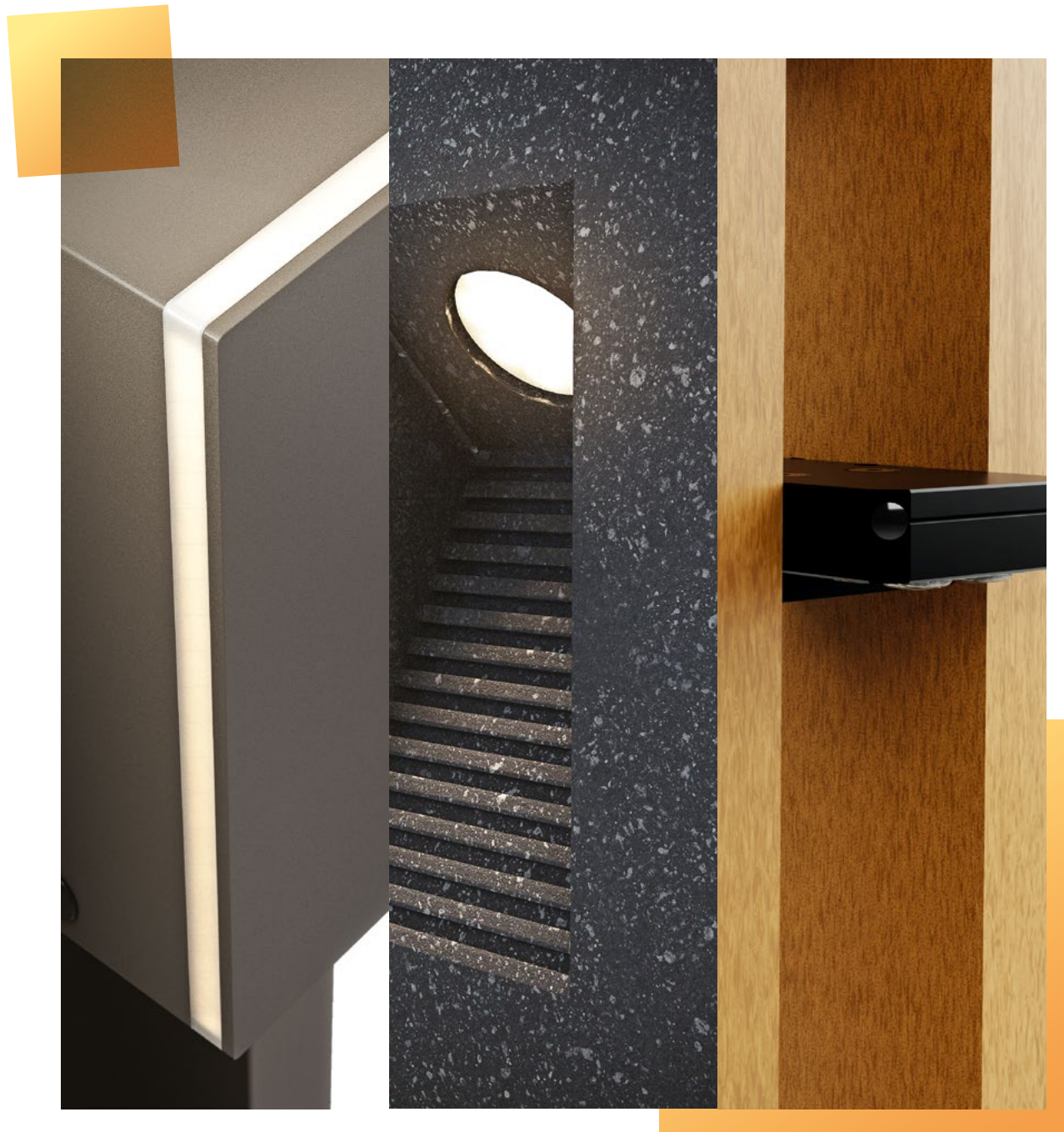
LIGHT DESIGNED TO GUIDE.



DUAL FUNCTION

Far from being just secondary lighting, the use of marking is an intelligent approach to lighting.

They continue to give light when the main flow is interrupted: personalised colour marking of the pathway takes over without perturbing the ambiance or the environment. This soft lighting shows the way and ensures continuing visibility of the site.



3 BOLLARDS,
3 AESTHETIC DESIGNS,
3 UNIQUE WAYS OF
REVEALING SPACE
WITH LIGHT.

OKO, BRUT and **FOLLOW**: each has its own authentic character. Each exploits a different relationship between material, light and use. They light up materials to create a sensory, sustainable signature, highlighting the most demanding development projects and combining aesthetics, durability and contextual integration.

+ OKO BOLLARD

—
THE PERFECT MARIAGE
OF SOLAR LIGHTING
AND WOOD

With its warm, discrete presence, **OKO** fits naturally into sensitive environments whether natural or man-made. Made in strong and durable iroko wood, its varied textures and contrasts capture daylight and diffuse a soft glow at night.

Its lively aesthetic design adapts to the seasons and to applications without affecting the harmony of the landscape. **OKO** is an organic bollard for pathways, bringing out the richness of sites.



**AN ELEGANT NATURE-INSPIRED
DESIGN IN WOOD**

Iroko wood was chosen for its natural strength and refined aesthetics making the **OKO** bollard a sustainable choice. It's a tropical wood from sustainably managed forests, ideal for use outdoors.

Its organic texture evolves with time in harmony with the surrounding natural colours and revealing the richness of the wood. With its quiet, sensitive presence it harmonises with variations of surroundings without ever disturbing the equilibrium.

Iroko, an oxalogenic tree, has its place in a virtuous environmental cycle; physically strong, it's an ecologically responsible choice.



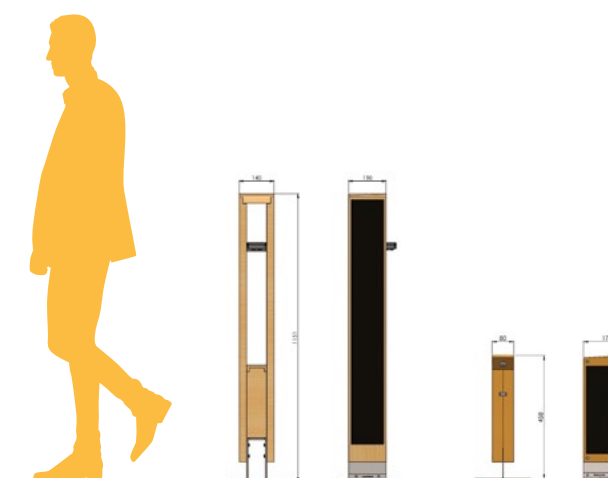
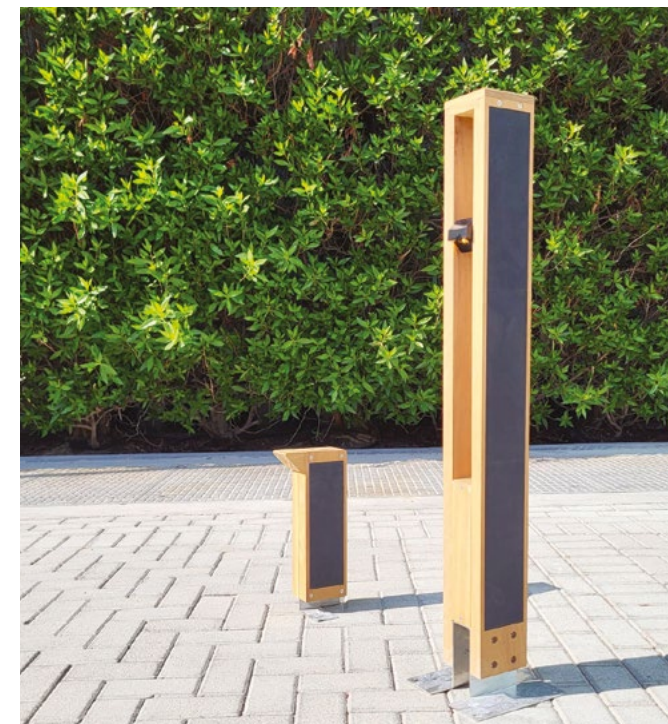
**MORE THAN BEING JUST A MATERIAL,
IT SPEAKS A SOBER LANGUAGE
ANCHORING IT BOTH TIME AND SPACE.**





CHARACTERISTICS

- + **SOLID FSC CERTIFIED IROKO FRAME**
- + **HEIGHTS 110 AND 36 CM**
- + **HIGH EFFICIENCY SOLAR CELLS**
- + **MOTION SENSOR**
- + **BLUETOOTH CONNECTIVITY**
 - Remote programming and control via the application Nowatt
 - Scenario personalisation lighting and beacons
- + **OPTICAL UNIT IN BLACK ANODISED MACHINED ALUMINIUM**
- + **EASY TO INSTALL ON ALL TYPES OF GROUND**
- + **NO CABLES, NO ELECTRICAL CONNECTIONS**



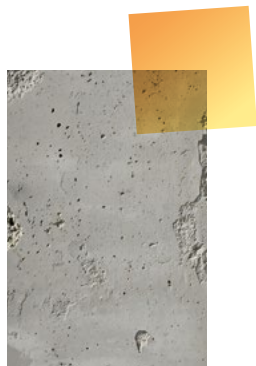
+ **BRUT** BOLLARD

—
WHERE CONCRETE IMPOSES ITS STRENGTH,
ELEGANCE DRAWS ITS SHAPE

Made in fibre concrete, **BRUT** is intended for urban developments, public spaces and heavy wear areas. Its formal sober look and its bare material reflect functional aesthetics, designed to stand up to knocks over time.

It's not only a decorative feature, it's also a statement of durability and resilience. Its function and material fulfil a sustainable approach without pretension. **BRUT** is a timeless bollard, minimalist in shape, essential in function.





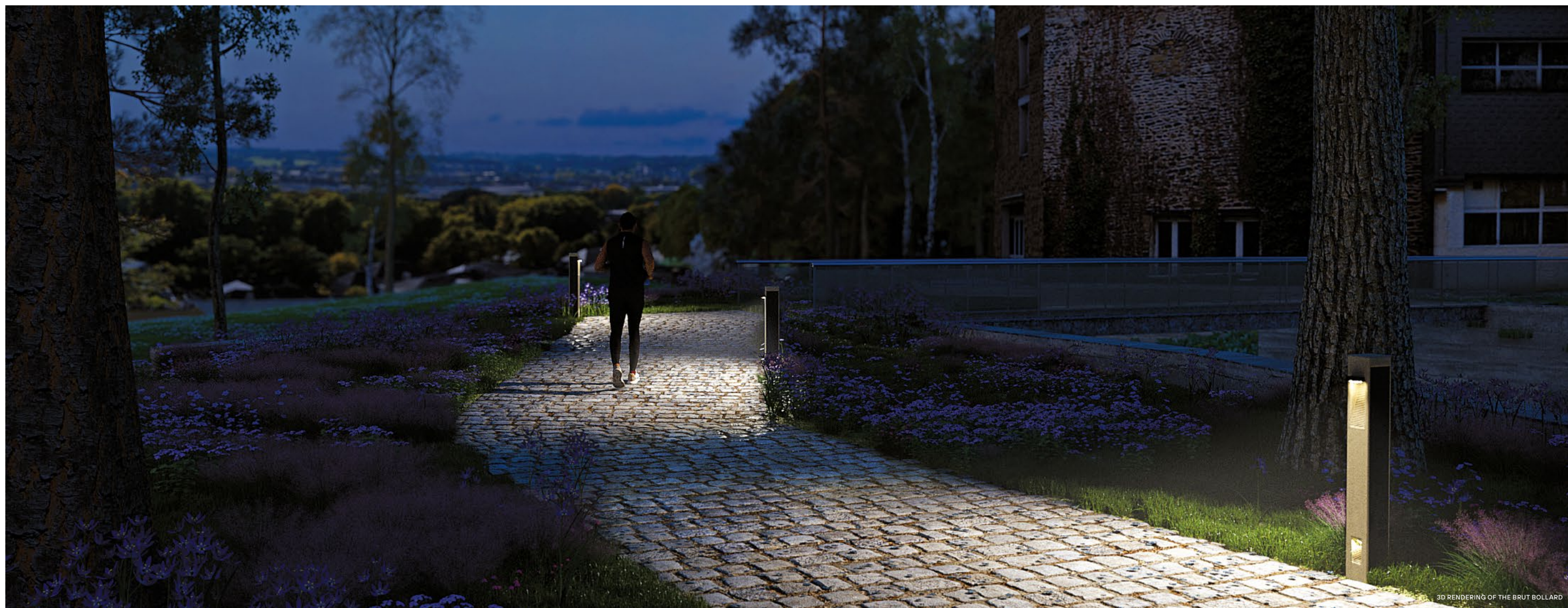
**WITHOUT PRETENDING TO BE
ANYTHING BUT WHAT IT IS, CONCRETE
MAKES ITS PRESENCE FELT.**

CONCRETE, ESSENTIAL ARCHITECTURAL MATERIAL

It looks the part, never deforming or going out of fashion over the years. Made in UHCP (ultra high performance fibre concrete), BRUT takes its strength from an architectural formulation designed to last.

In UHCP, synthetic fibres and selected granular matter are combined into a fine, compact matrix offering exceptional resistance to shocks, weather and wear.

Designed in a circular economy and eco-efficient production approach, our concrete has a reduced environmental impact with guaranteed durability and performance. Notably, it includes the use of recycled aggregates sourced from locally reclaimed construction waste, a low water and energy consumption process, and reduced material volume, making the bollard lighter for easier transport and a minimized carbon footprint.

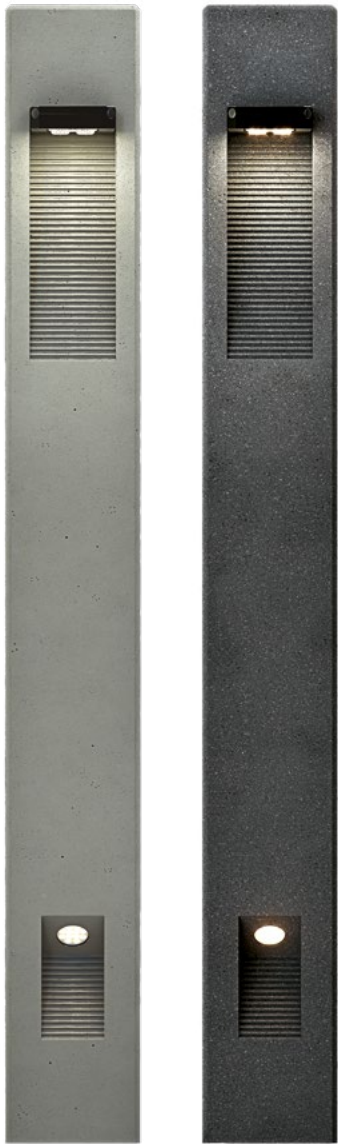
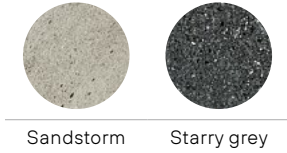




CHARACTERISTICS

- + MADE IN UHCP (ULTRA HIGH PERFORMANCE FIBRE CONCRETE)**
 - Ultra-high mechanical strength
 - Low porosity and high density
 - High weather-resistance
 - Sustainably produced with recycled granular material
 - Finish without varnish
- + HEIGHTS 110 CM**
- + HIGH EFFICIENCY SOLAR CELLS**
- + MOTION SENSOR**
- + BLUETOOTH CONNECTIVITY**
 - Remote programming and control via the application Nowatt
 - Lighting scenario personalisation
- + DUAL FUNCTION: LIGHTING AND PATH MARKING**
 - RGB path marking
- + EASY TO INSTALL ON ALL TYPES OF GROUND**
- + NO CABLES, NO ELECTRICAL CONNECTIONS**

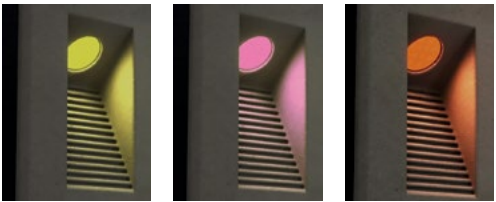
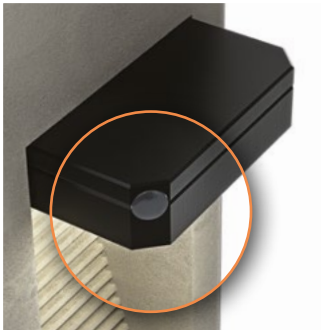
COLORS



AUTONOMY
365
NIGHTS/YEAR
WARRANTY

5
YEARS
WARRANTY

PATH MARKING
RGB



+ FOLLOW BOLLARD

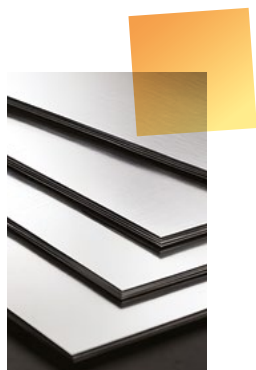
—
GRAPHIC LINES,
CONTEMPORARY MATERIAL

Slim and graphic, **FOLLOW** structures space with clarity. Its name reflects its purpose: show the way, provide clear markers and structure the way a place is used. With its aluminium design it stands discretely to show the way and mark pathways and encourage «soft» means of transport.

Its elegant and geometrical design suits various contexts: public footpaths, forecourts, town parks or gardens.

FOLLOW comes in various heights and colours so that it can be used in all architectural contexts. **FOLLOW** alternates marking and lighting according to requirement, offering unique lighting performance and technical reliability.





**ALUMINIUM, AN INFINITELY
RECYCLABLE METAL THAT COMBINES
MANUFACTURING FINESSE AND
DURABILITY.**

ALUMINIUM, DURABLE ELEGANCE AND PRECISION

Aluminium is at the heart of the **FOLLOW** identity: it structures its form and emphasises its lines. It's a strong, light material that withstands the ravages of time neither corroding nor deforming, even under extreme climates. Its clean matt or textured surface catches the natural light and emphasises its design.

Its flexibility allows precise graphic working perfectly suited to **FOLLOW**'s vertical form and luminous pattern.

The **FOLLOW** bollard is available in a range of unique, identity-defining colours specially designed by urban colour experts. Each shade is the fruit of a painstaking study of the emblematic architectural materials and landscape and of their ability to dialogue with the light.

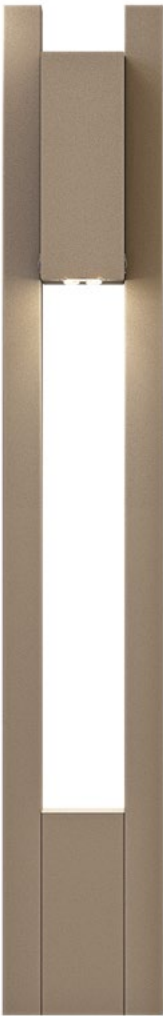


3D RENDERING OF THE FOLLOW BOLLARD



CHARACTERISTICS

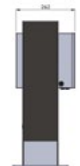
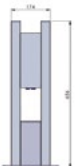
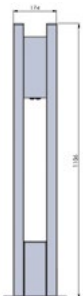
- + ALUMINIUM FRAME
- + THERMOLACQUERED POLYESTER PAINT FINISH
- + HEIGHTS 65 AND 110 CM
- + HIGH EFFICIENCY SOLAR CELLS
- + DUAL FUNCTION: LIGHTING ET PATH MARKING
 - RGB Light strip for visual guidance
- + MOTION SENSOR
- + BLUETOOTH CONNECTIVITY
 - Remote programming and control via the application Nowatt
 - Lighting scenario personalisation
- + STAINLESS STEEL BASE PLATE
- + EASY TO INSTALL ON ALL TYPES OF GROUND
- + NO CABLES, NO ELECTRICAL CONNECTIONS



AUTONOMY
365
NIGHTS/YEAR
WARRANTY

5
YEARS
WARRANTY

PATH MARKING
RGB





MOONLIGHT HORIZON, PAULINE DAVID



CREATE LIGHT IN PERFECT **SIMPLICITY**

Signature lumineuse creates a **unique ambiance**. It shapes the atmosphere of a place, revealing its character.

With a discrete glow or patterned line, Nowatt solar studs accompany architecture, mark out «soft» transport ways and reveal the unique character of public spaces, conferring style and affirming a unique identity.

+ CRYSTAL STUD

SIMPLE, ÉLÉGANT
AND DESIGNED TO LAST

With **Crystal**, light is composed. Conceived as a tool for urban scenography, this luminous stud enables controlled lighting, where intensity and rhythm can be adjusted to suit each context. Way beyond its utilitarian function, it participates in architectural expression, able to dialogue with each space, enhancing its qualities.

With infinitely customisable effects and colours, it adapts to the identity of the site, emphasizing lines and revealing volumes. It will fit wherever you imagine, turns on when you decide and forms luminous scenarios to match your projects.



CRYSTAL STUD, CLAMART, FRANCE



ASSOCIATED WITH AN AUTONOMOUS SOLAR SOURCE, THE GLASS STUD COMBINES DURABILITY, ENERGY EFFICIENCY AND FUNCTIONALITY.

STRENGTH, LIGHT AND ENVIRONMENTAL PERFORMANCE

The glass used for our solar stud combines visual discreteness and material elegance. Transparent or frosted, the Crystal stud integrates the ground perfectly, whether mineral or green, without perturbing the architectural nature of the site.

The glass, with a strong durable surface, captures and diffuses light. This noble material is not simply aesthetic: it's designed to withstand loads, shocks and weather.



CRYSTAL STUD, AGEN, FRANCE



CHARACTERISTICS

+ MATERIALS: 25 MM GLASS AND ALUMINIUM STRUCTURE

+ HIGH PERFORMANCE BATTERY

+ MULTIPLE CHOICES OF CUSTOMISABLE SCENARIOS

+ BIODIVERSITY-FRIENDLY LIGHTING, DARKSKY CERTIFIED

+ OPTION: CUSTOMISABLE WITH FROSTED GLASS

+ BLUETOOTH CONNECTIVITY

- Programmable et pilotable à distance via l'application Nowatt
- Personnalisation de scénarios d'éclairage

+ EASY TO INSTALL ON ALL TYPES OF GROUND (SIMPLE CORE DRILL FOLLOWED BY SEALING)

+ NO CABLES, NO ELECTRICAL CONNECTIONS



AUTONOMY
365
NIGHTS/YEAR
WARRANTY

5
YEARS
WARRANTY

PATH MARKING
RGB



CRYSTAL STUD, CLERMONT FERRAND, FRANCE



DESIGNED BY LIGHTING ENGINEER
EXPERTS IN SOLAR ENERGY, NOWATT
LIGHTING UNITS HAVE LIGHTING
PERFORMANCE AND COMPETITIVENESS
UNIQUE ON THE MARKET.

Fonroche Lighting bollard and studs in the range concentrate the **company's expertise**, benefiting from new solar technology specially developed to meet the requirements of any project. Our lighting units have **a luminous power never hitherto achieved with this type of autonomous lighting**, thanks to high definition optics, the latest generation of photovoltaic cells and an ultra-powerful smart storage system.



365 NIGHTS OF LIGHTING GUARANTEED

At the heart of the system: the battery, a key component that makes all the difference.



Specially developed by our teams, this exclusive technology allows us to guarantee our solutions for 5 years and ensure **continuing peace of mind** for our customers.



A **FONROCHE LIGHTING**
PRODUCT RANGE





THE ENVIRONNEMENTAL ADVANTAGES

MORE ACCURATE, GREENER LIGHTING

At Nowatt, each solar lighting solution is designed to **respect natural equilibria**, limit its environmental impact and support local authorities in a concrete ecological transition.

A LIGHT THAT EMITS HALF THE CO2 OF CABLED LIGHTING

Certified by Bureau Veritas, analysis of the life cycle of our products has shown that **our solar technology emits half the CO2** of a mains powered solution. This LCA approach was carried out to standards ISO 14040 and ISO 14044.



PRESERVING THE NIGHT TIME ENVIRONMENT AND BIODIVERSITY

Nowatt is committed to responsible lighting. Our Crystal solar studs, are DarkSky certified to preserve night skies.

Our products use:

- + Lenses to channel the flow of light and limit loss
- + Warmer colour temperatures to protect biodiversity
- + Low positioning of beacons or lighting to prevent light pollution
- + Dimming or extinction systems, according to time slots or actual use



RECYCLABILITY AND LIFE TIME

At Nowatt, we are particularly attentive to the lifetimes of our products. **All our products are eco-designed to favour recycling.** We are members of several eco-organisations such as Ecosystème, SOREN and SNAM Group to ensure that our components such as batteries, solar panels and electronic components are recycled.





nowatt APPLICATION: PRECISION CONTROL OF LIGHT

Conceived as **a real extension of the lighting project**, the Nowatt application enables intuitive control of remote ambience programming directly via Bluetooth. It is free to download on Google Play and App Store and offers designers **total freedom in composing lighting scenarios** at every stage of the project.

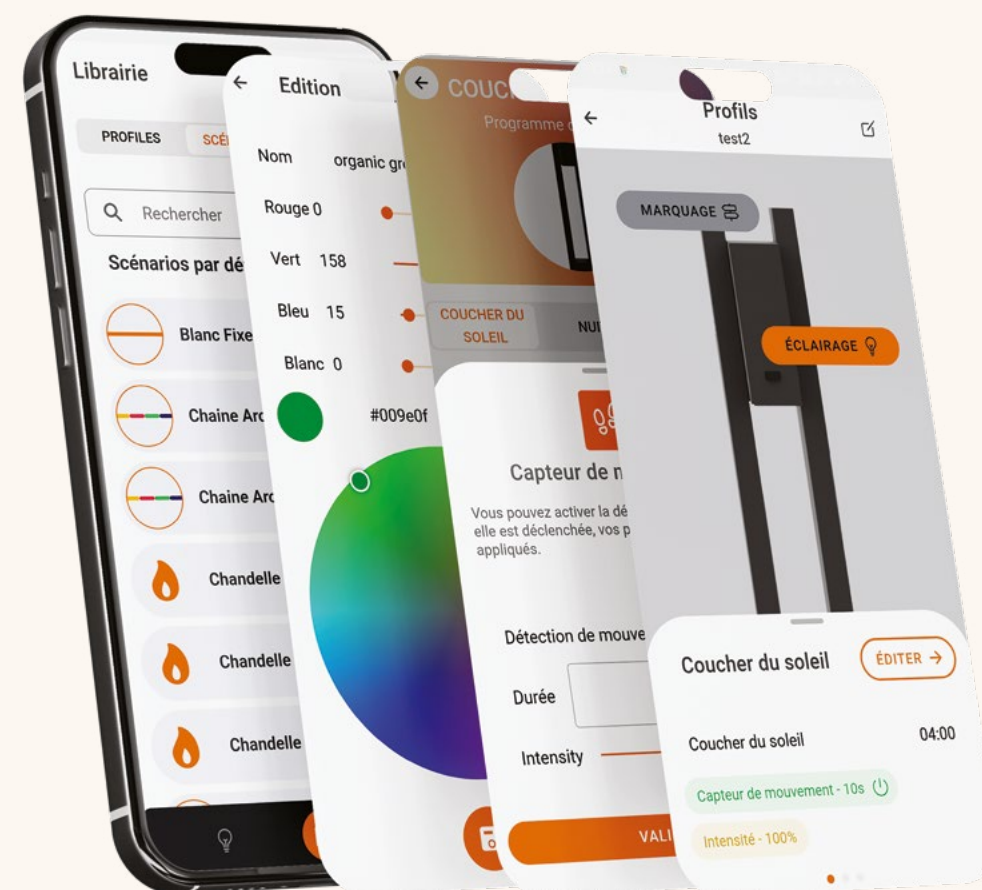
Each product can be given individual settings to define a lighting profile to match the architectural intention: brightness, time slots, lighting scenarios... the many possibilities serving the site and its uses.

WITH ITS PARED DOWN AND FUNCTIONAL INTERFACE, THE BRIGHTNESS, RHYTHMS AND COLOURS OF NOWATT LIGHTING UNITS, WITH WHOLLY CUSTOMISABLE COLOURS, CAN BE PROGRAMMED.



Nowatt Lighting

Solar Lighting





+ WHO ARE WE?

Founded in 2014, Nowatt designs, develops and manufactures 100% solar lighting solutions dedicated to path marking, lighting signatures and architectural lighting. Purchased in 2023 by Fonroche Lighting, Nowatt benefits from the expertise and technical know-how of the world leader in solar lighting. With thousands of solar lighting solutions in use over the world, Fonroche Lighting is revolutionising the public lighting market.

LA STREET: THE FIRST WORLD CENTRE DEDICATED TO SOLAR LIGHTING

Inaugurated in July 2023, **La Street**, the head office of **Fonroche Lighting**, reflects our business of lighting streets and roads throughout the world. More than an office, it brings together all our solar lighting expertise: R&D, technical design, tests and validation, production, connectivity and training. La Street is the first world centre dedicated exclusively to this technology and is a place of innovation for all lighting professionals, from customers to elected local representatives.



OUR EXPERTISES

At Fonroche Lighting, innovation is at the heart of every project. Our R&D department, with 50 specialised engineers, designs tomorrow's smart and powerful lighting systems.

Fonroche Tower, our «control tower» remotely supervises 50 countries with a dedicated team who analyse up to 7 million daily data to control solar lighting banks in real time.

And finally, our **Power Room** is the largest lighting battery testing centre in the world. With 12 climate enclosures, it simulates every extreme environment to guarantee the reliability and resistance of our solutions, with tests adapted to each project.



nowatt

A RANGE ENTIRELY DEDICATED TO
THE MARKING AND LIGHTING OF
SUSTAINABLE MOBILITY PATHS,
LANDSCAPED AREAS, AND URBAN
SPACES.

With thousands of solar lighting solutions
deployed worldwide, **Fonroche Lighting is
revolutionizing the solar lighting market.**

Designed to adapt to every context, our solutions
combine **performance, autonomy, and
architectural integration.**

From functional lighting to distinctive light
signatures, our expertise supports all types of
projects, anywhere in the world.

Discover the full Nowatt range and other Fonroche
Lighting collections on our website.

www.fonroche-lighting.com



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