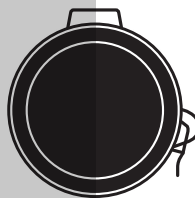


Durable
lighting for
transport
infrastructure

Since
1927



Sammode

Durable lighting
for transport
infrastructure

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Sammode

boasts a tradition

of excellence,
integrity
and ingenuity

Excellence

Here at Sammode, we don't simply claim to target excellence, we constantly demand the best, staying true to ourselves. We have been designing and manufacturing solid, functional, effective, reliable, long-lasting and well-defined luminaires since 1927. Our models can withstand tough environments, coping long-term with dust, humidity, extreme temperatures, corrosion and mechanical loads and other challenges.

Sammode's excellence is achieved thanks to a meticulous design process, the careful selection of just the right materials and components, stringent laboratory testing and quality standards that cover every detail, at every single stage of production.

Integrity

Here at Sammode, we begin by really listening to the needs of our customers and considering the full range of their applications, processes and requirements. We then start the process of identifying the right solution, one which will meet all these requirements and stand the test of time. Integrity also means never engaging in any form of flashy showmanship or adding superfluous details or features.

Ingenuity

Ingenuity in itself is not the main aim here at Sammode, but rather the best possible means of ensuring we do our job well. We target real solutions with almost artistic patience, as he who seeks shall find, and then adjust. We aim to improve every little detail, producing simpler and more durable luminaires, while keeping costs under control.

We believe that keeping things simple, with streamlined processes, parts and instructions, brings greater efficiency and is a form of beauty in itself. The design process does indeed contribute to the final product, our luminaires meet technical requirements while offering an inherent aesthetic. *Make it right, make it well, make it to last.*

We believe that a good luminaire is one which is so reliable that once it is installed, you forget about it.

Sammode offers

long-lasting performance

Sammode has been the supplier of choice for industrial firms that insist on 100% reliable and durable products for nearly a century. We provide precise solutions, meeting every specific need, in any type of tough environment. Performance, solidity, repairability and scalability all contribute to a durable luminaire.



Designed to last

Sammode designs its luminaires with one main aim: the luminaire should last as long as the building. We don't believe in temporary solutions. We opt for a precise design, quality manufacturing, solid assembly and carefully selected materials to produce a consistent, reliable and durable luminaire. Some of our models benefit from a 10-year warranty. We guarantee spare-part availability for 30 years. This is how we avoid any obsolescence, opting for quality that can be passed down the generations rather than playing the disposable card.

Solidity is our leitmotiv

Our luminaires are built to face the toughest environments. The stainless steel, borosilicate glass and thoroughly tested composites used in our luminaires are selected for their ability to withstand impacts, corrosion, vibrations and chemicals, depending the version. Some models can operate down to -60°C, and others up to +200°C. Our luminaires are at hand in places where light is necessary, but not necessarily expected. Reliable. Efficient. Durable.



Ultimate leaktightness and durability

Our unique tubular design keeps water, dust and aggressive external agents out of the luminaire. Our luminaires boast the maximum possible Ingress Protection ratings (IP66, IP68 and IP69K), ensuring they can withstand high-pressure washing, damp environments and extreme conditions. Our luminaires provide efficient lighting and durable performance in factories, laboratories and explosive atmospheres.



We are obsessed with providing unrivalled levels of reliability to guarantee operator safety, ensure non-stop production and avoid the steep costs incurred in downtime.



The right light to meet the needs

Here at Sammode, performance is not just about lumens. It is also about offering a solution that lasts. For this reason, we select our components based on strict requirements and design our products to provide right, stable and constant lighting that meets your needs. We integrate smart lighting into our processes on the same basis, aiming to provide effective, affordable lighting tailored to the specific need.

Repair rather than replace

Our luminaires can be fully dismantled. Consequently, every single part, whether the LED module, a diffuser, the driver, gaskets, a gear tray, connectors or attachments, can be replaced. Repair and adaptation options will extend the lives of luminaires. and they can be upgraded with new technology, without any obligation to remove existing units. This is the Sammode way of doing business ethically, incorporating precision and pragmatism.

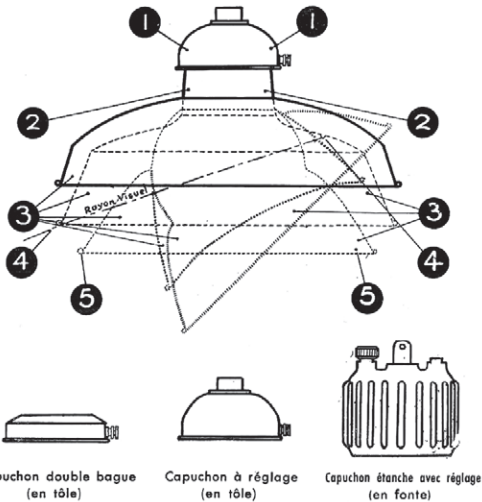
A century of excellence

serving industry and infrastructure



Sammode, the inventor of the tubular luminaire concept.

Sammode has been designing and manufacturing industrial luminaires for the most demanding environments since 1927. Lighting in the fields of heavy-duty industry, energy, food and transport infrastructures must be reliable and effective, and Sammode can provide precise, tried-and-tested solutions that last.

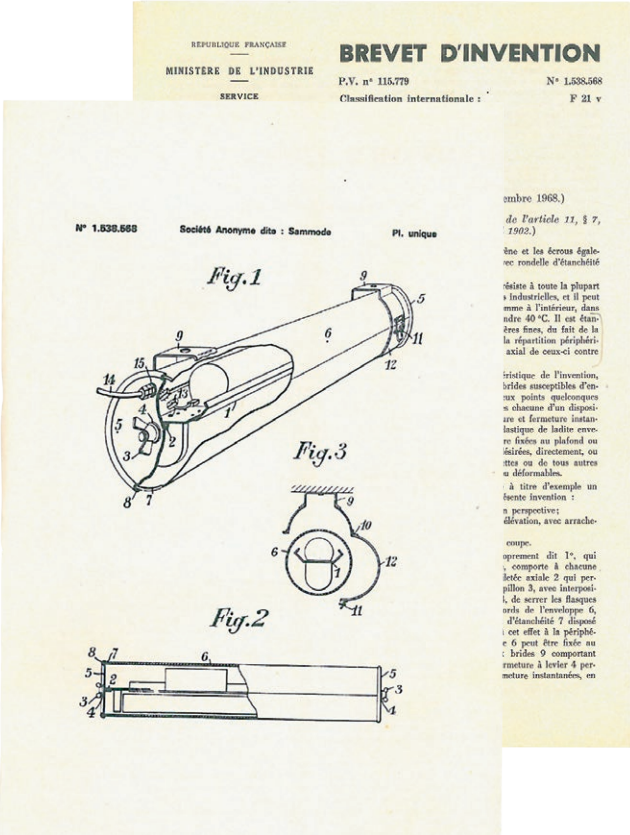


Sammode has focused on advanced industrial lighting since the late 1920s. We launched our sealed fluorescent tube luminaire (TFH for “Tube Fluorescent Hermétique”) in 1967 and the new model established itself as a benchmark for all locations, from factory workshops to railway tunnels.

In the 1980s, thanks to the company’s industrial expertise and metalwork know-how, we expanded our ranges to include architectural models and public lighting for indoor and outdoor settings.

Later on, from 2015, Sammode diversified into new markets such as homes and hospitality settings.

100% of Sammode luminaires are manufactured in France.



An independent family business

Sammode was founded in Châtillon-sur-Saône in the Vosges region, where the production site continues to manage the full production chain from A to Z. Every step of the process, from research to design, prototyping, testing and manufacturing, is planned and executed in France, with a constant focus on quality and traceability. Almost all of our components are manufactured in France or Europe, and we hold ISO 9001 certification for our production line, as well as manufacturing CQC, ENEC, NF AEAS and ATEX/IECEx certified luminaire ranges.

Sammode also has strong convictions, such as a long-standing commitment to sustainable development, as demonstrated by its decisions and policies promoting French industrial expertise in the fields of eco-design, repairability and durability. This unwavering commitment to industry, maintained by four generations, has been rewarded with an EcoVadis gold medal. Sammode teams invest their efforts in providing ideal and effective lighting via reliable and durable luminaires.

Total process control, from the design phase to the finished product

Sammode has long combined industry with a craftsman’s attention to detail, and advanced technologies with historical expertise. The company stands out thanks to this winning combination, part of its very foundations. All of our tooling is designed in-house. Our components are selected with care. Most of our production line is managed in-house. It is these structural decisions that make us manufacturers and give us a high degree of control over the quality of our products, their durability and our lead times.

“When customers choose one of our products, they don’t just get a luminaire: they get intelligence and service too.”

Emmanuel Gagnez,
Sammode CEO

A long history of meticulous, future-focused R&D



Innovation from the word go

Here at Sammode, innovation goes right back to our early days. In 1967, we invented the sealed fluorescent tube light (TFH), which has since become a benchmark and emblematic solution.

At Lamotte-Beuvron, at the heart of the Sologne region, our R&D centre and laboratory breathe life into this ambition in a former printing shop, converted with care by Freaks, an architecture firm. Each individual luminaire is thoroughly tested from the early development phases, in actual operating conditions. We also use this site to meet with our customers for discussions and dialogue, as here at Sammode we believe that innovation is always a collective process.

Our teams improve the performance of our luminaires and design new features on a daily basis, including innovative materials, optimum assembly methods, efficient components, low-carbon solutions and more.

Our aim is to offer solid and long-lasting solutions to our customers' needs.



Innovating for the future

Smart lighting is a key component of our innovation policy. We apply our usual standards to smart lighting, including sensors, control systems, lighting intensity management, lighting scenarios, etc. Every detail is designed with a genuine purpose and a degree of restraint. Forget superfluous additions, every part is required for the application and there for a reason. Sammode lighting is responsive, adaptable and precise, and of course reliable, our core strength.

We have designed an on-line configurator able to produce, cost and provide documentation for millions of Sammode luminaire variants, enabling us to cover a wide range of industrial and architectural needs.

Each year, we invest some 10% of our turnover in research, development and technical upgrades.

This reflects our belief that sustainable innovation is not just a claim, it must be built up humbly, day by day.



For all photos: R&D centre
Sammode, Lamotte-Beuvron (Loir-et-Cher)
From top to bottom, from left to right

1. View from outside
2. Photogoniometer
3. Leaktightness testing room

4. Endurance testing room
5. Dust tightness test bench

Designing products to meet needs, via durable manufacturing



“Sammode’s roots lie in a region with both industrial and rural strengths, as well as a harsh but fertile climate. As a firm, we have retained our culture as both a designer and manufacturer with an acute awareness of the limited resources available to us, well before the climate crisis brought a cruel reminder of something that society should never have lost sight of in the first place. On this basis, durability was a core feature of our design mindset from the very start, with repairable products.”

Emmanuel Gagnez,
Sammode CEO

For all photos:
the Sammode plant,
Châtillon-sur-Saône (Vosges)

1. Stainless steel end caps prior to drawing
2. Folding press
3. Drawing lathe
4. Grid vanes after cutting



Sammode has been manufacturing its luminaires in the Vosges hills, at Châtillon-sur-Saône, since 1927. The site is ISO 9001 certified and produces CQC, ENEC, NF AEAS and ATEX/IECEX certified ranges, embodying a clear vision of high-performance manufacturing as a local strength. Nothing is left to chance. Every little detail is designed, planned out, moulded, assembled and checked on-site, as part of a comprehensive integrated process.

An integrated production system built on confirmed expertise

Drawing, embossing, stamping, folding, welding, degreasing, lacquering and assembly: all of these precise phases play a role in producing every single Sammode luminaire, controlled by advanced information systems under the close eye of highly qualified and invested operators. Operator expertise is passed on and enhanced over the years, guaranteeing quality manufacturing, compliance with the highest standards and precise production to the selected configuration, the one most suitable for the customer’s needs. Sammode can boast a flexible, high-calibre production line thanks to these smart processes, combined with advanced production tools.

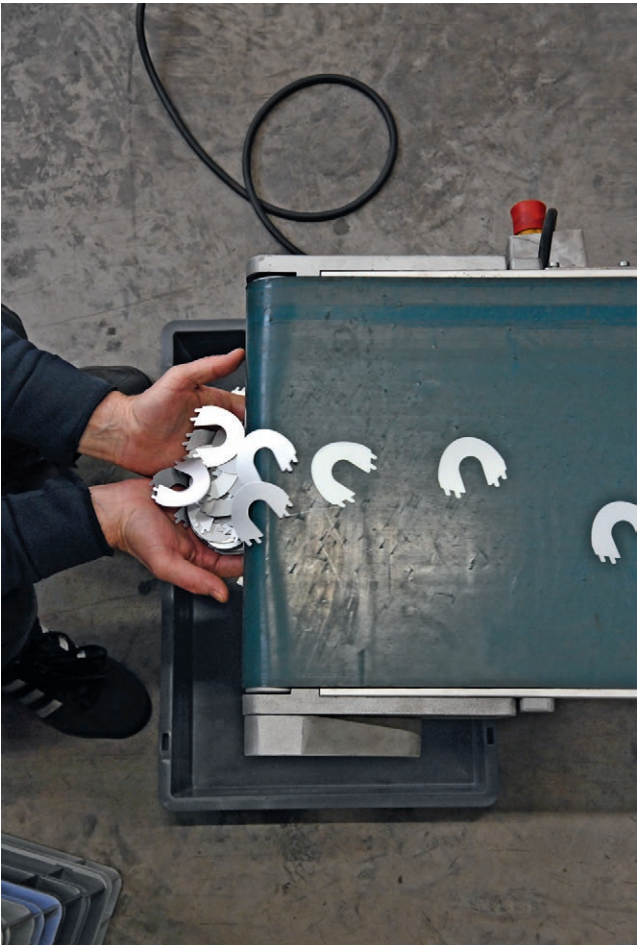


Carefully selected components

Our luminaires offer a quality performance thanks to both their housings and their internal components. Electronic boards, LED modules, beams and drivers are all carefully selected, tested and approved. All of our components are sourced from French or European suppliers renowned for their reliable technologies, or are produced to custom specifications to meet precise needs.

Checking quality every step of the way

Quality control is not just a formality for Sammode. Each and every luminaire is tested upon leaving the production line according to strict procedures: compliance with standards, electrical safety, loads, satisfactory performance, etc. We make sure we identify any failures here at Sammode, so our customers never experience an issue. Trained operators examine all of our products, and will detect even minor non-compliance or the smallest anomaly. These checks are backed up with intermediate testing throughout the process, guaranteeing unfailing quality from the first-off to the last-off.



Built to last

Our luminaires are built to last, and are compatible with repairs or upgrades. All parts can be removed, replaced and updated. Sammode applies one simple principle—repair rather than replace—and this guides all of our engineering decisions. On this basis, every luminaire is a low-impact sustainable industrial product, and can be fully maintained well into the future.

An industrial facility with a long history

Sammode has operated an ultra-sophisticated, comprehensive industrial workshop at Châtillon-sur-Saône since its initial incorporation. The company has regional roots but an international impact thanks to its customers. The first plant stood on the banks of the Saône river, but was later rebuilt and extended on the slopes above the village. It was subsequently expanded a further three times. We have trained, passed on, invested in and protected our industrial expertise for more than a century. At Sammode, we consider our manufacturing operations as a commitment to a region, to the local communities within it, and to our customers, in terms of quality, durability and confidence.

Durability, CSR and the right lighting

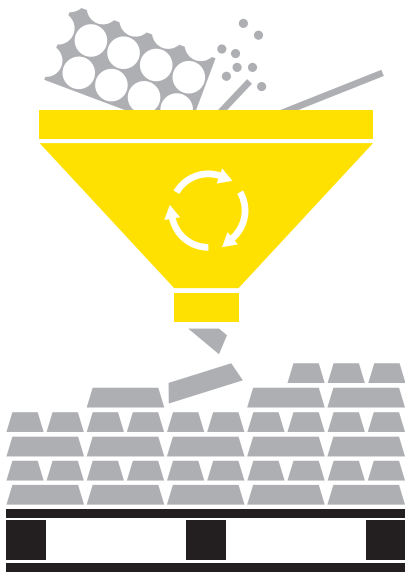


100% designed and manufactured in France
100% French and European suppliers

The product with the lowest ecological impact is the one you don't have to replace.

Since the start, we have always aimed to produce durable and ethical products where nothing is superfluous. As a designer and manufacturer, Sammode supports local industrial expertise that controls costs and protects resources.

1.6 additional jobs are supported in France for every direct job with Sammode*.



98% of waste metal is recycled

Our mission

We aim to allow our customers to make their own contribution to sustainability by opting for better lighting, designed to last longer, using less resources.

Production

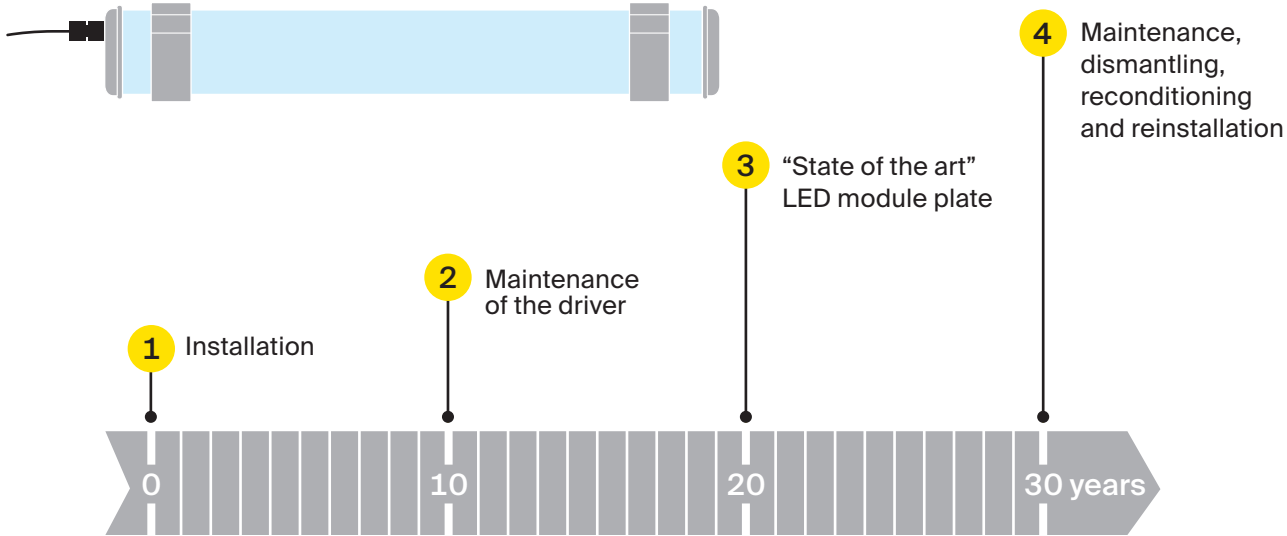
Our production site has been located in the Vosges hills since Sammode was founded, and plays a pivotal role in our commitments. Our teams at the site design long-lasting, solid, repairable and upgradable products. Our luminaires comprise recyclable materials and spare part availability is guaranteed for 30 years**, ensuring they last as long as the host building.

R&D

Our R&D teams also focus on smart lighting. All sensors, dimmers, local and remote control functions are designed to adjust lighting to actual use, reducing consumption without any compromise in terms of quality.

** Detailed terms and conditions can be found on our website at [sammode.com](https://www.sammode.com)

Flow chart showing the life of a Sammode luminaire in a demanding industrial environment under intensive use, ²⁴/7



100% repairable and upgradable

Lighting studies

We optimise layout and power on the basis of our custom lighting studies. Efficiency means fewer light points through better design.

Protection and recycling

98% of our waste metal is recycled. Our packaging is plastic-free, and contains recycled and reused cardboard. No water is required for our production line, and our documents are available in electronic format.

Our LED retrofit kits can be used to modernise luminaires without disposing of parts, while simultaneously halving energy consumption. These kits do not affect the performance of the housing (leaktightness and solidity), but can be used to rapidly retrofit the luminaire without replacing the entire fixture.

Independent testing

Our luminaires are tested by independent bodies as part of NF, ENEC or DB (Deutsche Bahn) certification or referencing processes, among others.

A comprehensive CSR policy

We require our partners to meet strict environmental and social criteria. We obtained the EcoVadis gold medal in 2023 and 2024 in recognition of all our commitments. We also set up a continuous improvement pathway for CSR as part of our carbon audit in 2023. Moreover, certain ranges of luminaires come with Life Cycle Assessment (LCA) sheets of the PEP Ecopassport type*.



Sammode drives sustainability

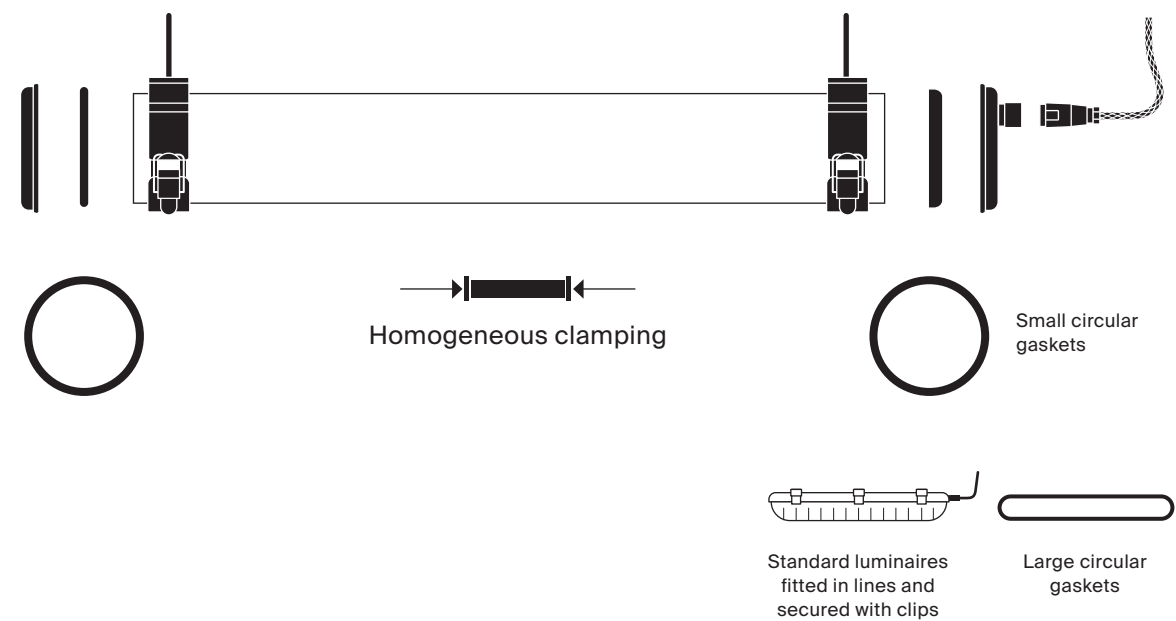
Improving production methods is not just a possibility for Sammode, it is a true obsession, and has been for a century. Behind us, an entire chain of contributors, including customers, end customers and users, all drive this durable and controlled industrial transition.

* Source: Utopies study 2025

*List available upon request

Our tubular system

with its unrivalled efficiency levels



Sammode invented the tubular luminaire in 1967 and has continued to develop the concept since this time, including the tubular housing, the homogeneous short gaskets, the stainless steel axial locking screws and the shock absorption system for mechanical loads.

This unique concept has been tweaked year after year to ultimately become Sammode’s technical signature. Several million luminaires have been manufactured based on this principle. All of these luminaires uphold the same promise of long-term leaktightness, including in the toughest conditions.

The strengths of our tubular concept

Each luminaire is designed as a coherent technical system where shape, materials and functions all rhyme with high performance. The geometry of the tubular body brings exceptional levels of rigidity. The end of the tube ensures leaktightness, limiting the size of the gasket and therefore any risk of ingress. The central clamp distributes forces homogeneously. The materials—stainless steel, sulphur-free EPDM and silicone—have been selected to last, in any type of chemical environment and regardless of temperatures or mechanical loads.

A 100% repairable luminaire

Sammode’s tubular luminaires have been designed to allow for easy repairs: every single component can be replaced with parts benefiting from guaranteed availability for at least 30 years post-manufacturing. Thanks to this approach, all components can be upgraded, and LED modules can be retrofitted to easily replace former fluorescent technology models.



Specifically selected components and materials

All components are selected with care. Cabling is insulated with silicone-coated fibreglass braid, and can withstand up to 180 °C. The composite diffusers combine a polycarbonate core (IK10) with a co-extruded PMMA casing, able to withstand detergents and UV radiation, and meet European food standards. The borosilicate glass diffusers can withstand high temperatures. Our metal parts are manufactured in food-grade stainless steel (304L) or marine-grade stainless steel (316L).

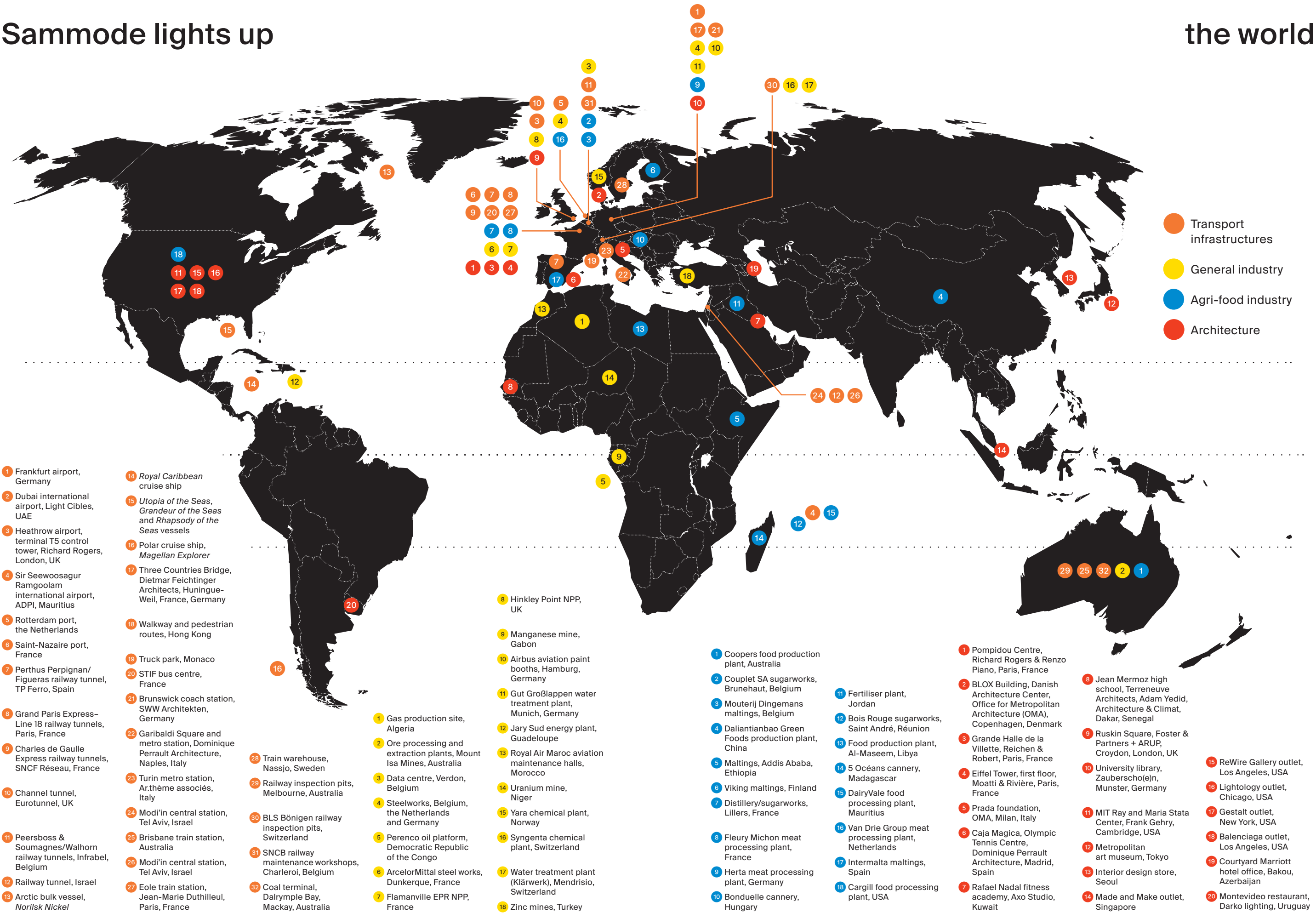
Capable of withstanding all conditions

Our luminaires can withstand vibrations (tested according to the most stringent standards, such as IEC 61373), as well as impacts (up to IK10-20 joules), extreme temperatures (up to +200 °C), saline environments, chemicals and dust. Our luminaires can withstand any type of humidity (IP68/69K ingress protection). The fixing straps absorb strain, ensure safety and make the luminaires easy to install and maintain. We have developed our own specific ultratight plug-in connector able to withstand impacts, allowing operators to install the luminaire rapidly with no need to open it.

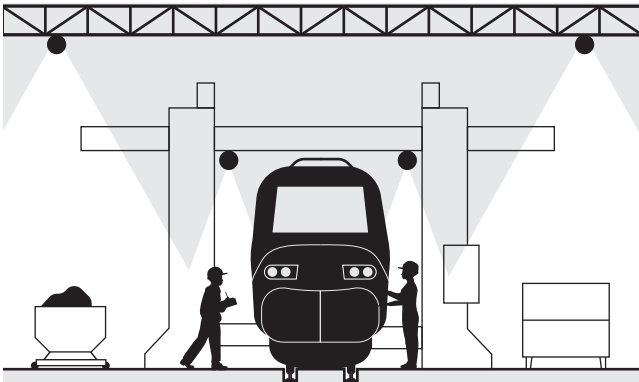
Unit tests designed to ensure optimum reliability and traceability

All luminaires are individually tested for continuity, performance and safety as they leave the production line. No parts leave the workshop without a successful test bench run and being assigned a label bearing a unique number, ensuring traceability. This requirement was defined based on combined know-how passed down over several generations. Our operators do more than simply assemble parts: they pay close attention and manage the fine points of every action, ensuring that our products reach high standards.

We accept no compromises. Luminaires must not be the weak link in a tough environment. At Sammode, we guarantee our customers unfailing reliability, minimum maintenance and lighting to last well into the future thanks to our full command of the design and manufacturing phases.

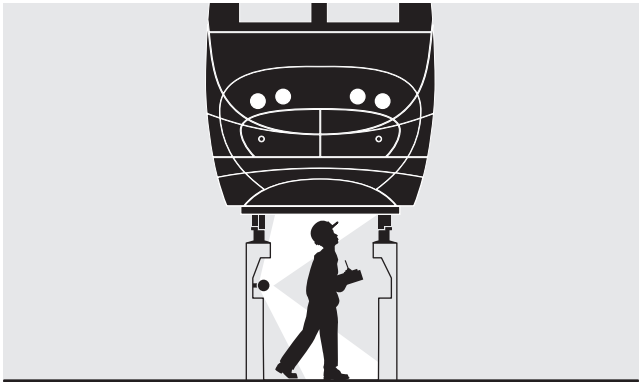


The different types of lighting



General maintenance workshop lighting

Technicentre type workshops (rail and bus, etc.) require strong, even general lighting diffused from high ceilings. The aim is to limit shaded areas and direct glare to ensure safe and comfortable working conditions.



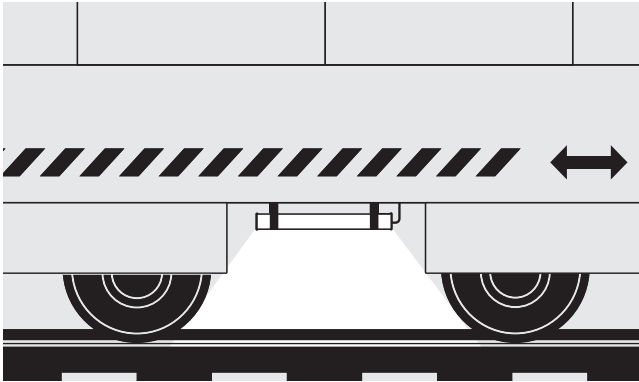
Inspection pits

Luminaires must provide uniform lighting on the lower surface of the undercarriage, limiting glare and letting maintenance teams get on with their jobs. Sealed luminaires withstand oil splashes and high-pressure cleaning, and are compatible with motion sensors to optimise visual comfort and energy consumption.



Railway tunnels

Railway tunnels require continuous, secure lighting, designed to guarantee visibility for operations and evacuations, and to remain 100 % functional in the event of a fire. The light must be uniform, with no shaded areas, and able to withstand tough conditions: humidity, dust, vibrations and electrical interference.



Rolling stock and confined spaces

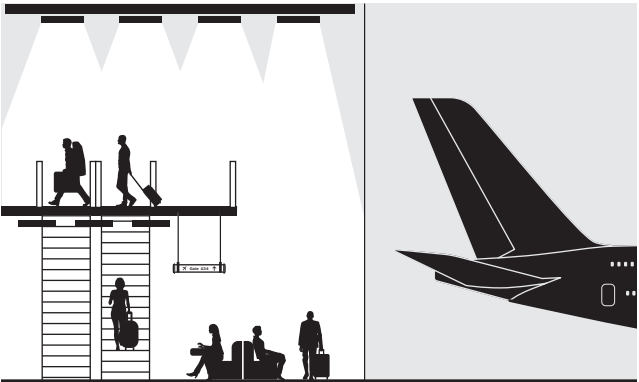
Lighting in confined or embedded environments must remain compact and sealed. These models must withstand impacts, intense and repeated vibrations, external pollution and ageing caused by UV radiation, while guaranteeing unfailing reliable visibility in tight spaces.

Luminaires with specific characteristics are available for each type of set-up. Our luminaires boast exceptionally long service lives and meet both regulatory and functional requirements, for every type of application.



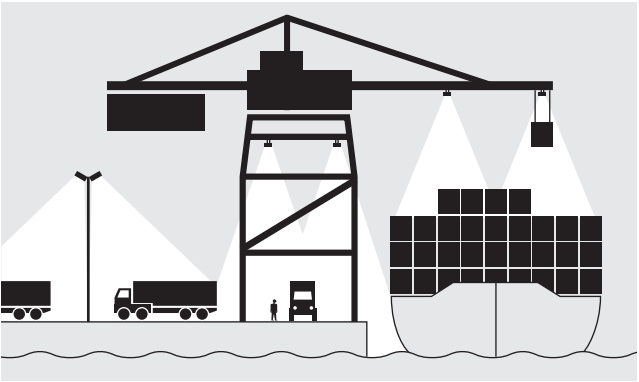
Platforms, walkways and shelters

Tramway and metro platforms must be equipped with uniform lighting that lets passengers board and disembark safely while fitting in with the architecture. The lighting must ensure that there are no shaded areas at the edge of the platform, and that signs can be read, while being resistant to vandalism and adverse weather.



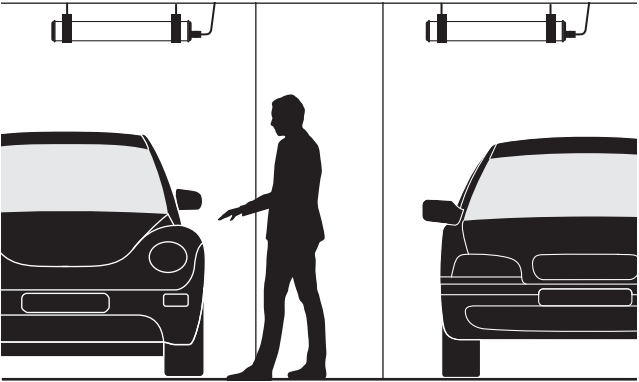
Airport terminals and corridors

Lighting must be compatible with both large open areas and small spaces, ensuring visual comfort and guidance for large numbers of passengers. It must provide powerful, uniform, limit glare, and help to create a welcoming, well-lit environment. Lighting also plays a key role in showcasing the building's architecture.



Large-scale outdoor industrial infrastructures

Large-scale industrial infrastructures such as ports, mines and energy plants need powerful, uniform, ultra-sturdy lighting to protect both operators and equipment (from dust, bad weather, vibrations, heat, etc.), and sometimes even ATEX/IECEX models (petrochemical, gas, etc.).



Car parks

Lighting in both indoor and outdoor car parks must be effective in all locations, ensuring user safety and clear visibility of routes in and out. Such lighting must reach all areas, allowing for surveillance. It must also be compatible with often damp or dusty environments. Tubular luminaires combine robustness with a distinctive design, and can be harnessed to create effective and harmonious illuminated signage.

Sammode smart lighting and operational performance



Integrating smart lighting where it makes sense

Sammode's mission is to provide durable lighting to meet precise needs. Sammode smart lighting is not simply intended to provide better lighting, our aim is to improve employee protection and support, avoid accidents and reduce bills making our solutions more sustainable. Our approach is clear: we integrate smart lighting where it makes sense.

High-tech technology with Sammode reliability

Whenever a new technology is launched, reliability must be re-appraised. Here at Sammode, we opt for the toughest tried-and-tested components. Our sensors can also be integrated in our luminaires, with protection.

Detection-based control systems

Built-in motion sensors can be fitted on our luminaires, with DALI protocol connections allowing for flexible but precise control with no need for complex cabling. Our luminaires are dynamic devices, able to turn on as someone approaches and turn off when everyone has left, adapting to activity levels and ambient lighting levels. Lighting matches site activity without need for operator action and without excess consumption.

Interoperable solution for long-term performance

Sammode has opted for the DALI protocol, a connections standard for industry and transport infrastructures. Our systems are thus interoperable and upgradable, and compatible with most BMSs.

Operators will immediately feel the benefit. By ruling out dark zones, responsiveness is optimised. The reliable and uniform lighting ensures constant visual comfort. Reduced fatigue enhances attentiveness. And optimises safety.

Site managers can halve their energy consumption, and benefit from simplified and scheduled maintenance, segmented control, total flexibility, and optimal industrial performance. Thanks to our smart LED kits, luminaires can be modernised without replacing the housing, making the whole process easy and eliminating any downtime.

Such investment makes sense for any customer, meets safety requirements and boosts energy performance and traceability.



Sammode, the benchmark for all infrastructures

Our products offer lighting solutions for the most demanding infrastructure.

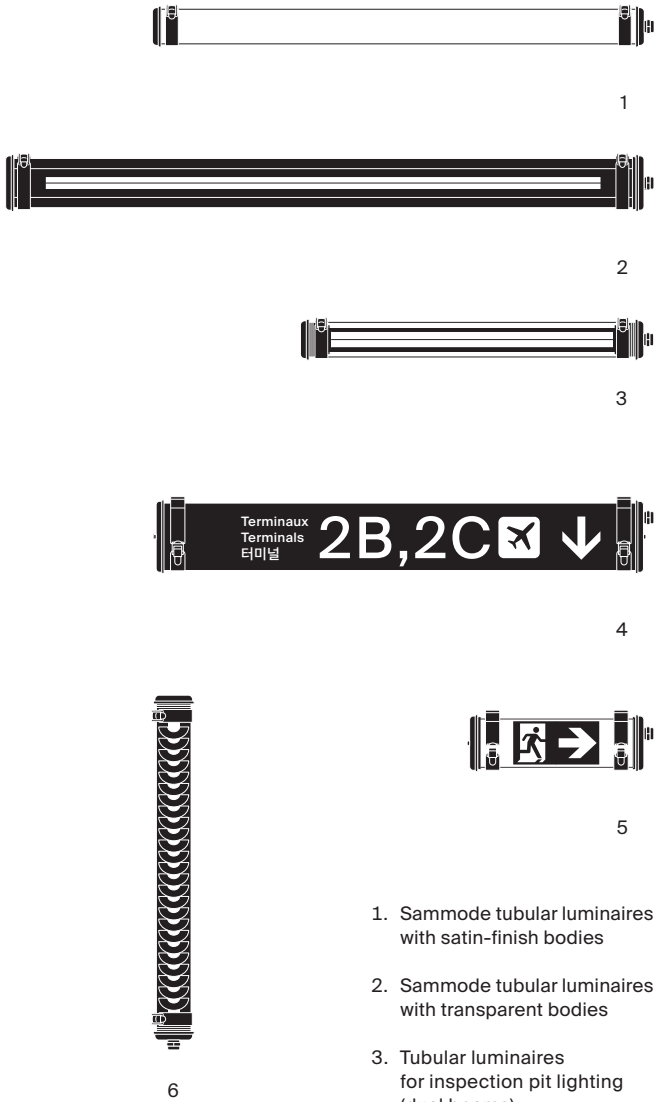
Infrastructure such as stations, tunnels, rail maintenance workshops, bus terminals, airport terminals, port terminals and engineering structures are all subject to sometimes extreme conditions and strict standards, which must sometimes be reconciled with architectural considerations.

Whether in salty or dusty environments, with temperature variations, intense vibrations, exposure to shocks, and demanding safety standards, each specific field comes with its own requirements. However, all environments share some specific needs: guaranteed 24/7 safety, reliability and performance, for both operators and users.

Here at Sammode, these priorities have always been our driving force. Thanks to our long-standing industrial experience and several decades working with architects, we have built up unique and recognised expertise, bringing our lighting know-how to all industrial environments, no matter how demanding. Sammode has built a range of sturdy, hard-wearing, long-lasting luminaires, where every little detail is designed for use in specific applications and in specific conditions.

Our customers can rely on us for durable and reliable lighting designed to meet their requirements. A secure investment from day one. And well into the future.

The following pages list some of the key infrastructural applications of Sammode products. Each application has its own requirements... and its own lighting solutions to match.



1. Sammode tubular luminaires with satin-finish bodies
2. Sammode tubular luminaires with transparent bodies
3. Tubular luminaires for inspection pit lighting (dual beams)
4. Tubular luminaires for signage
5. Emergency lighting
6. Tubular luminaires for architectural and design purposes



Maintenance workshops

Inspection pits

Warehouses

Works trains

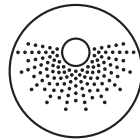
Railway workshops and warehouses are strategic sites for servicing rolling stock. They are used for lifting operations, undercarriage works, the handling of heavy parts and washing, all in the presence of moving machinery. Oils, hydrocarbons, metal dust, mist, vibrations and repeated impacts can all be found at these sites, which often operate 24/7. Lighting must be 100 % uniform for visual inspections, remain splash-proof and benefit from reduced maintenance needs, particularly in high locations.

Inspection pits face all of these conditions combined, in a confined space! Luminaires must be flush to avoid getting in the way of operators, provide strong lighting that casts no shadows and without glare. Meanwhile, the housing must be fully sealed and able to withstand site conditions.



Sturdy and hard-wearing in all circumstances

These robust luminaires come with tried-and-tested management solutions (DALI connections, sensors) to provide optimal performance well into the future, in the toughest environments.



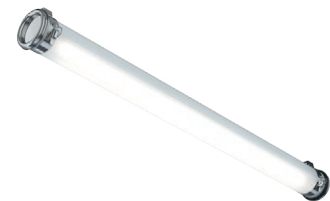
Expert optics suited to every area

We can provide diffuse, directional or bidirectional (for inspection pits) lighting, adjusting beams to meet your needs.



Long-lasting and adaptable fittings

A 100 % repairable and upgradable design ensuring an unrivalled lifespan of at least 30 years, to keep your costs under control.



Pascal

General lighting in maintenance workshops, on walkways and in warehouses, installed at moderate heights



Niepce FV or Gericault

Maintenance pits, with horizontal (Niepce FV - see image) or vertical (Gericault) set-ups



Fresnel

General lighting in maintenance workshops, on walkways and in warehouses, installed at high levels



Foucault

Works trains



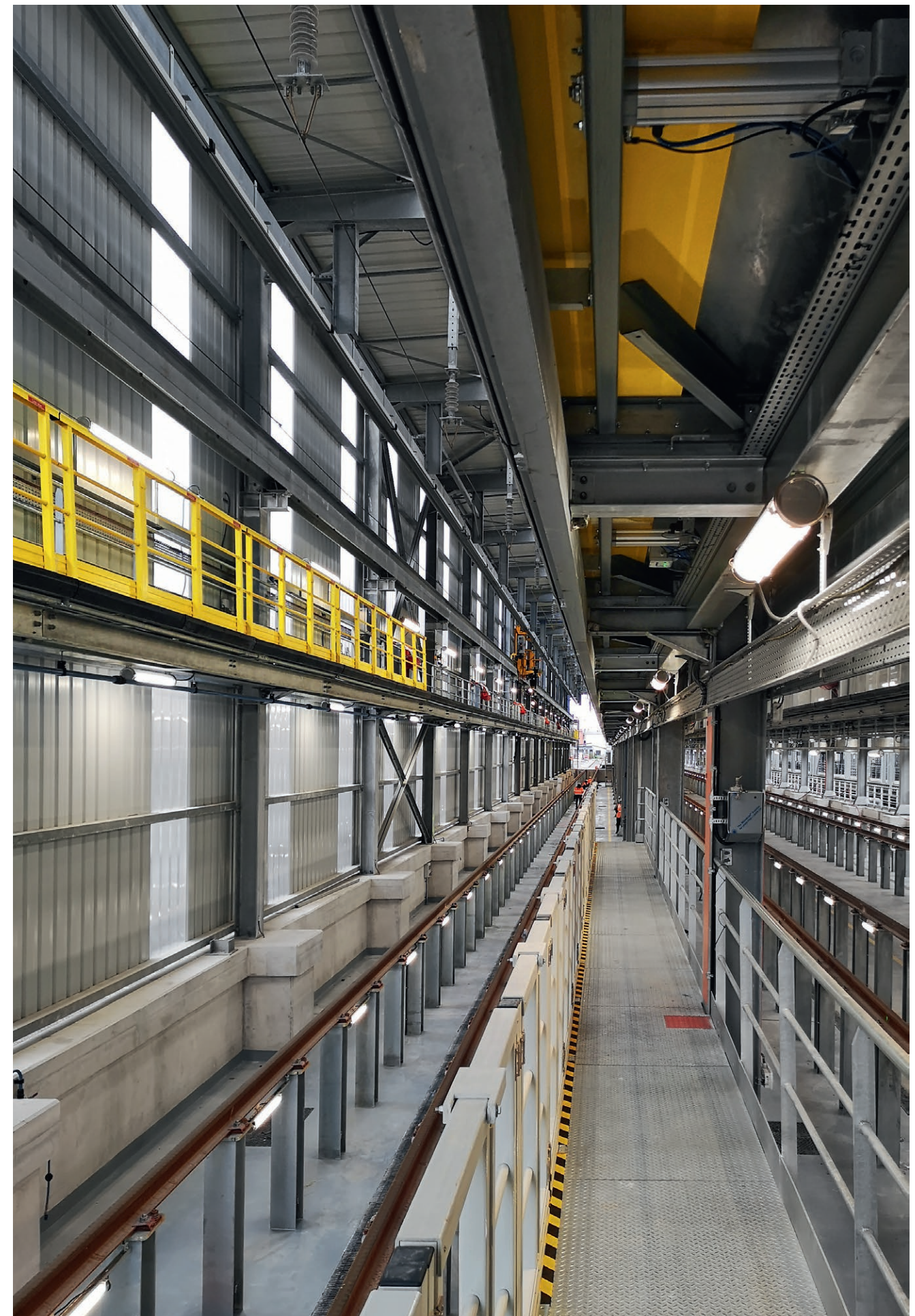
Benson

Directed lighting under walkways and in exterior surroundings



Maxwell/Coulomb

Emergency lighting for evacuations or ambient lighting



Railway tunnels

Safety tunnels

Rail tunnels and passageways ensure non-stop rail services and emergency evacuations. These structures must be equipped with reliable lighting, compatible with the vibrations caused by the piston effect of the trains, along with constant humidity, dust, splashes and electrical interference. Luminaire fire ratings must also meet standards in order to protect both operators and users.

Sammode luminaires ensure performance and safety, providing uniform, glare-free lighting with a long service life, even when used 24%. Our luminaires drastically reduce the need for maintenance and make evacuation routes safer.



Flame-retardant solutions
Our luminaire materials are selected to ensure maximum safety levels in the event of fire, with an M1 rating (flame-retardant polycarbonate) or M0 rating (borosilicate glass).



Mechanical strength and sealing
The IK10 one-piece body and unique axial clamp system guarantee unrivalled mechanical strength, protecting the luminaire from piston effect. These models also offer IP68/IP69K ingress protection.



Resistance to electric shocks
High-reliability industrial electronics, designed to withstand vibrations and power surges, engineered for decades of intensive operation on high-risk electrical networks.



Cugnot Xtrem
24% tunnel lighting



Foucault
Connecting and access routes



Napier Xtrem
Tunnel lighting,
M0 fire rating



Maxwell/Coulomb
Emergency lighting
for evacuations
or ambient lighting



Pascal
Maintenance areas,
secondary tunnels



Bus centres and depots

Bus centres and depots include indoor and outdoor parking areas, maintenance workshops, electrical charging stations, LPG and VNG pumps and washing bays, alongside pedestrian and vehicle traffic. These sites face corrosion (UV radiation, humidity), dirt (grease, dust), ATEX/IECEEx risks due to gas distribution and storage systems, and night-time operations.

Lighting must be uniform throughout the site to allow for safe handling, while limiting the need for work at heights and guaranteeing safety in ATEX/IECEEx zones. Sammode luminaires hold IP68/69K ingress ratings and are available in ATEX/IECEEx versions, with or without smart management systems. They are also compatible with an LED conversion project while reducing energy and maintenance bills.



Ensuring safety in VNG or LPG zones

Our “featherweight” ATEX/IECEEx models are easy to install on any type of mount, and compatible with high-risk zones in workshops or at gas refuelling stations.



Dirt and wash resistance

The IP68/69K ingress rating ensures that our luminaires are protected from oil and humidity and can withstand intensive high-pressure cleaning.



Optimised energy use

The smart management system (clock-based DALI control system, motion sensors or drive) can reduce a bus centre's energy consumption and operating costs.



Pascal

General lighting in maintenance workshops, on walkways and in warehouses



Alder

ATEX/IECEEx zone 1 environments



Jamin

ATEX/IECEEx zone 2, 21 and 22 environments



Fumat

High ceilings, ATEX/IECEEx zone 2, 21 and 22 environments



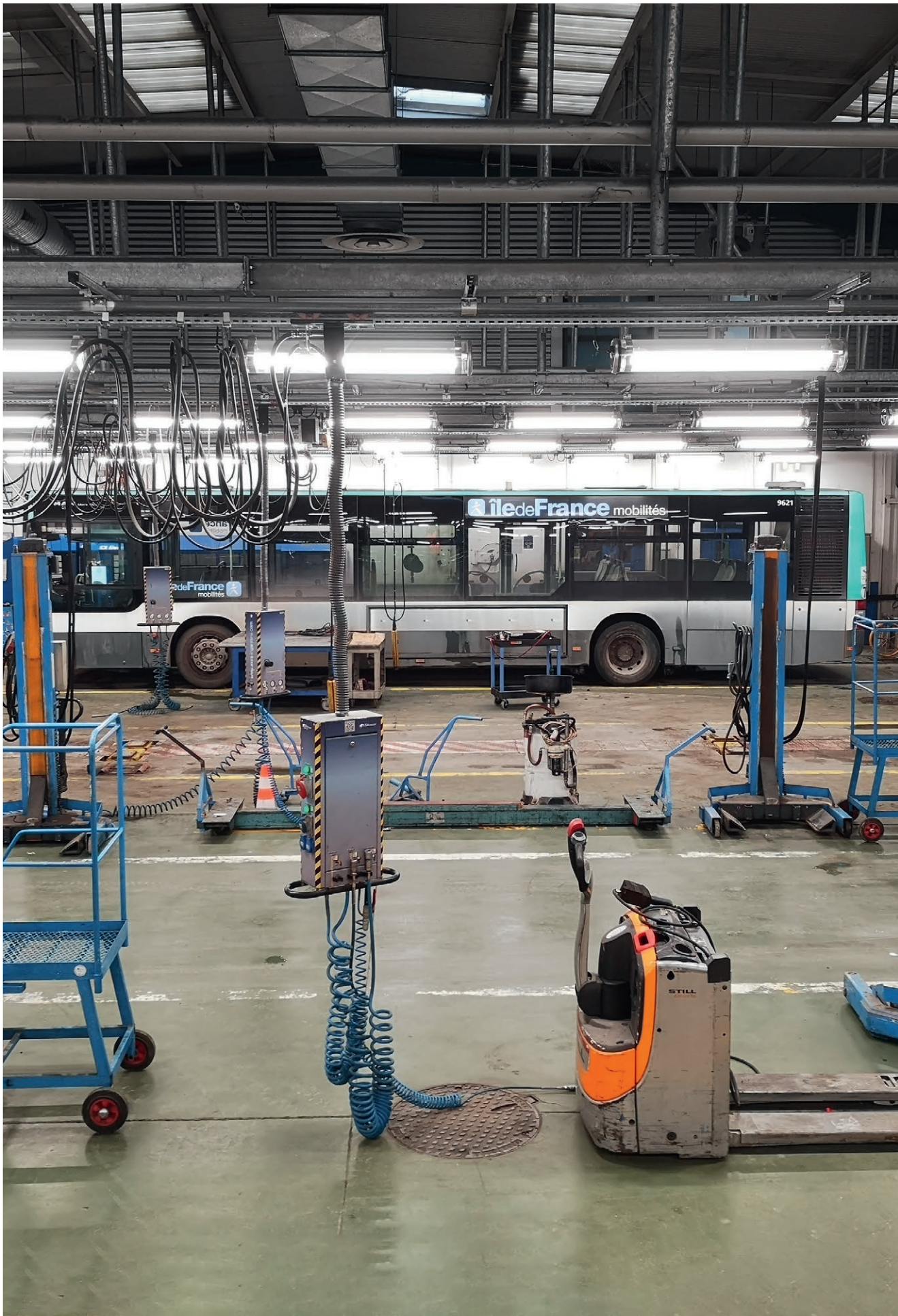
Niepce FV

Maintenance pits



Maxwell/Coulomb

Emergency lighting for evacuations or ambient lighting



Freight ports

Bulk carriers

Shipyards

Industrial ports and shipyards are home to loading docks, gantries, storage areas, silos and workshops. Luminaires installed at this kind of site must withstand harmful sea spray, humidity, wind, vibrations and abrasive dust and are frequently fitted at height, making maintenance potentially costly. Some zones are classified as ATEX/IECEX (hydrocarbons, cereal silos).

Sammode's 316L marine-grade stainless steel or corrosion-proof tubular luminaires and floodlights, with or without IP68/69K ingress protection and ATEX/IECEX ratings, can provide powerful lighting for night-time operations while reducing downtime thanks to unrivalled repairability and mechanical robustness.



Excellent resistance to coastal air and UV radiation
316L stainless steel and co-extruded polycarbonate/PMMA housings ensuring ultimate IP68/69K ingress ratings.



Safety in high-risk zones and solidity
Solid lightweight tubular luminaires with ATEX/IECEX ratings for zones 1, 2, 21 or 22, able to withstand belt vibrations (IEC 60068-2-6 / IEC 61373).



Powerful floodlights for extra high installations
Powerful floodlights of up to 100,000 lumens for use in container terminals, on cranes or gantries, or in indoor or outdoor logistics facilities.

	Sill 48 Cranes, gantries
	Sill 177 Container terminals, on masts
	Cugnot Xtrem Walkways, maintenance areas

	Boyle Xtrem Bulk terminals, cereal silos, ATEX/IECEX zones 2, 21 and 22
	Sabatier Xtrem Gas storage and tanks, ATEX/IECEX zone 1
	Maxwell/Coulomb Emergency lighting for evacuations or ambient lighting



Station platforms

Metro platforms

Corridors and walkways

High-traffic interchange zones, station platforms, underground passageways and walkways must guide passengers, prevent falls and allow for effective surveillance. Requirements: protect against vandalism, withstand dust accumulation and poor weather conditions in open areas, adapt to daytime and night-time light levels, ensure visual comfort (reading signage and recognising faces) and minimise light pollution.

Sammode models can provide 2½ diffuse or directed lighting, with an IK10 rating and a high IP rating, improving spatial perception, safety and visual comfort, while keeping energy bills down in the long-term thanks to motion and light sensors.



Reinforced tamper-proofing
Stainless steel design with a co-extruded polycarbonate/ PMMA diffuser, impact proofing (IK10) and protection from UV radiation; secure attachments for public areas.



Optimum visual comfort
Directed light (reflectors, louvres, optics) or diffuse lighting to guide passengers and reduce glare, with consistently even light distribution.



Zero light pollution
Tubular luminaires and floodlights with a ULR of 0 % in compliance with regulations on exterior surroundings, open platforms and walkways.



Turner
Underground or undercover passageways



Sili 48
Platforms or concourses with high ceilings



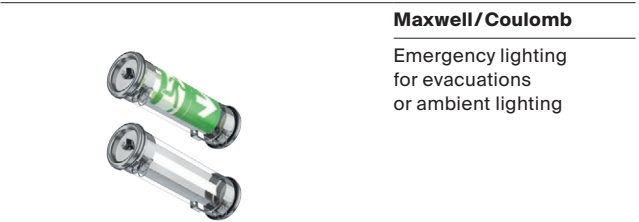
Scorel
Directed lighting for exterior surroundings and canopies/awnings



Mabuse
Illuminated signs



Benson
Directed lighting for station/metro platforms



Maxwell/Coulomb
Emergency lighting for evacuations or ambient lighting



Station concourses

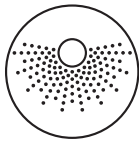
Intermodal interchanges

Intermodal interchanges and concourses (train/bus/tram connections) combine large volumes, multi-directional traffic and architectural requirements. Lighting must create a welcoming environment, provide guidance (in retail areas, for information boards, and for platform access), be tamper-proof and withstand outdoor conditions around buildings, while allowing for easy maintenance.

The variety of optics and power levels (for high ceilings, low areas and façades) offered by Sammode ensures seamless aesthetic transition between indoor and outdoor areas. The DALI management system combined with sensors can adapt lighting levels to the number of people in the area, reducing energy use with no impact on safety.



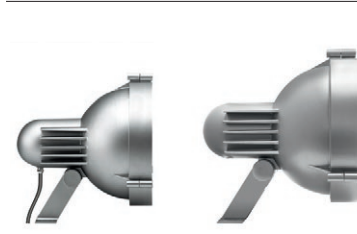
Control systems and savings
DALI control systems can be combined with motion and light sensors to adapt lighting levels to the time of day and number of people. These robust, long-lasting solutions are fitted with a sensor protected by the luminaire housing.




Lighting adapted to each space and installation type
A wide range of optics are available (diffuse, intense, louvre, etc.) ensuring compatibility with high ceilings, waiting or reception areas, and ceiling or wall mounts.



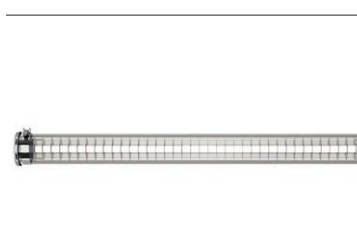
Exceptional durability
Modular design compatible with on-site repairs, 8-year warranty with 24/7 use, spare parts available for 30 years.




Sill 02
To illuminate areas with high ceilings



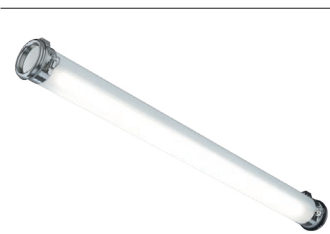
Benson
Directed lighting for intermediate ceilings and outdoor use




Pissarro
Louvre to manage passenger flows and interchange areas



Elgar
To highlight architectural features and light up reception areas and pathways



Pascal
Industrial areas, tunnels



Maxwell/Coulomb
Emergency lighting for evacuations or ambient lighting



Pleasure craft harbours

Marinas

Ferries

In pleasure craft harbours, marinas, seaports or even onboard ferries, lighting must ensure passenger comfort, safety during handling manoeuvres, and highlight architectural features, all while protecting components from salt spray and water splashes, UV exposure and impacts. Lighting must be compatible with mixed pedestrian and vehicle traffic, gangway signage and challenging maintenance at sea.

Sammode luminaires are ultra-sturdy and exceptionally reliable, ensuring seamless aesthetic continuity between gangways, walkways, decks and waiting areas.




Excellent resistance to salty sea air
316L stainless steel and co-extruded polycarbonate/PMMA housings ensuring ultimate IP68/69K ingress ratings.




Sturdy, reliable models compatible with any conditions
Total IP68/69K ingress rating, IK10 impact resistance and UV-proofing (coextrusion).




Zero light pollution
Tubular luminaires and floodlights with a ULR of 0% in compliance with regulations on outdoor lighting.



Turner
Undercover passageways, cabins



Scorel
Directed lighting for floating docks and marinas



Pascal
Maintenance areas, vessels



SIII 48
Exterior areas around buildings, high ceilings



Maxwell/Coulomb
Emergency lighting for evacuations or ambient lighting



Airport terminals

Airport terminals include check-in halls, security checks, shopping malls, lounges, walkways and external façades. Lighting must provide guidance for varying numbers of passengers (arrivals, departures and transits), create a comfortable environment (reducing stress and ensuring information is easy to read), provide safe passenger flows, create familiar visual references and fit in with the site architecture. Lighting must also simplify ²⁴ maintenance and optimise energy use thanks to smart management systems.

Sammode luminaires create visual harmony and provide uniform light distribution, while combining robustness, durability and dimming/detection options for reliable and efficient operation.



Control systems and savings
DALI control systems can be combined with motion and light sensors to adapt lighting levels to the time of day and number of people. These robust, long-lasting solutions are fitted with a sensor protected by the luminaire housing.



Optimum visual comfort
Light fluxes and beams adapted (low-luminance louvres, optics, signage, etc.) to guide passengers and reduce glare with very even light distribution to ensure well-being and safety.



Zero light pollution
Optic variants with a ULR of 0 % in compliance with regulations on outdoor lighting.



Fresnel
High-intensity lighting for halls with high ceilings



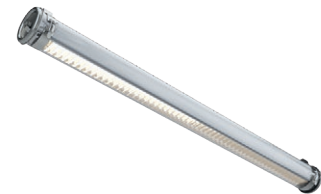
Mabuse
Illuminated signs



Benson
Directed lighting for intermediate ceilings and outdoor use



Elgar
To illuminate architectural features, and light up reception areas and lounges



Brueghel
Low-luminance models for waiting rooms and information points



Maxwell/Coulomb
Emergency lighting for evacuations or ambient lighting



Other forms of mobility: Car parks, tram stations, etc.

In outdoor or covered car parks, it is essential to increase lighting levels at entrances and on ramps, provide uniform light distribution in aisles, mark pedestrian pathways clearly, and limit light pollution in the immediate surroundings.

Optimal visibility is required on tram station platforms, with even lighting guaranteeing safety for all and a glare-free experience. Bus shelter lighting must be both targeted and uniform, tamper-proof and protected from urban pollution.

Bike shelter lighting must be effective and constant, and able to withstand humidity and impacts. Lighting at recharging stations must guide users to access and plug points, while protecting components from poor weather conditions, temperature variations and splashes.



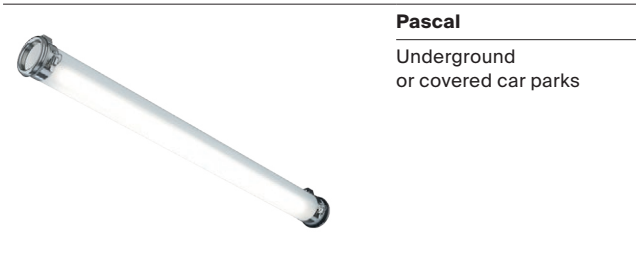
Reinforced tamper-proofing
Stainless steel design with a co-extruded polycarbonate/ PMMA diffuser, impact proofing (IK10) and protection from UV radiation; secure attachments for public areas.



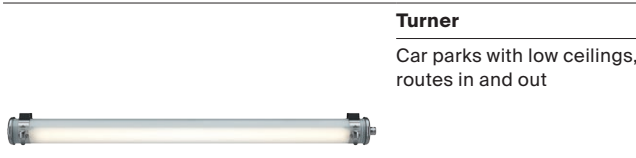
Zero light pollution
Optic variants with a ULR of 0 % in compliance with regulations on outdoor lighting.



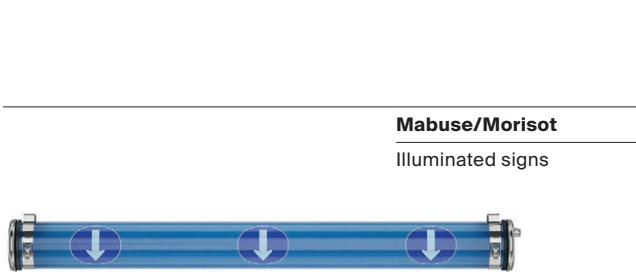
Control systems and savings
DALI control systems can be combined with motion and light sensors to adapt lighting levels to the time of day and number of people. These robust, long-lasting solutions are fitted with a sensor protected by the luminaire housing.



Pascal
Underground or covered car parks



Turner
Car parks with low ceilings, routes in and out



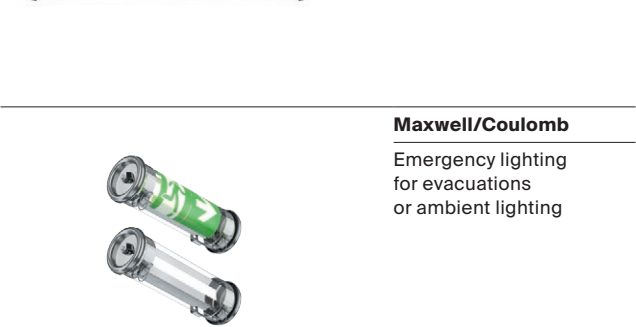
Mabuse/Morisot
Illuminated signs



Elgar
To illuminate car park access ramps and façades



Scorel
Bike shelters, bus shelters, tramways



Maxwell/Coulomb
Emergency lighting for evacuations or ambient lighting



Condition-based selection guide

		Industry			Xtrem			Floodlights		ATEX / IECEx					Functional	
		Pascal	Carnot	Cugnot	Napier	Fresnel	Sill 48	Sill 02	Zones 2, 21, 22			Zone 1		Niepce FV	Foucault	
Ø	Tubular diameter	Ø 133 mm	●	●	●	●	●			●	●	●	●	●		
		Ø 100 mm	●	●	●	●			●	●						
		Ø 70 mm													●	●
		Ø 40 mm														
		Floodlight						●	●							
■ □	Body style	Transparent				●	●	●	●	●	●	●	●	●		
		Satin-finish	●	●	●										●	
○ ●	Beam	Wide/diffuse	●	●	●	●			●	●		●	●		●	
		Directional/targeted ULR 0%					●	●			●					
		With a low-lum. louvre UGR <19														
		With a vertical louvre														
		With a tilted louvre														
		Dual beams for inspection pits												●		
Intégration film signalétique																
🌡️	Temperature range	Standard: from -20°C to +35°C¹	●	●	●	●	●	●	●		●	●	●	●	●	
		Extended range up to +50 °C		●	●	●	●	●		●	●		●			
		Extended range down to -40 °C						●		●						
🏠	Installation height	Heights < 4 m	●	●	●	●			●	●		●	●	●	●	
		4 m < heights < 8 m	●	●	●	●	●	●	●	●	●	●	●		●	
		Heights > 8 m					●	●			●					
💧	Water and dust tightness	UP to IP68/69K	●	●	●	●			●	●	●	●	●	●	●	
		IP65					●	●								
T	Impacts	IK10	●	●	●			●	●	●	●	●	●	●	●	
		IK08						●	●							
		IK07				●				●³		●³				
⚡	Power supply	220-240 V AC	●	●	●	●	●	●	●	●	●	●	●	●	●	
		24 V DC													●	
🔦	Emergency lighting EN 60598-2-22	Optional built-in battery	●													
		Optional central source (LSC)	●		●			●⁴	●⁴	●	●				●	
🌊	Intense vibrations			●	●	●	●			●	●		●	●	●	
		Corrosive environment (coastal)²	●	●	●	●	●	●	●	●		●	●	●	●	
⚡	Extremely corrosive/abrasive environment		●		●	●				●			●			
		Overvoltage 320 V AC 48 h	●	●	●	●	●	●	●	●	●	●	●	●	●	
⚡	Surge protection (4 kV)		●	●	●	●	●	●		●	●					
		Optional built-in HF detector	●												●	●
📶 DALI	DALI option		●	●	●	●	●	●	●	●	●			●	●	
		Casambi Bluetooth option	●⁴											●⁴	●⁴	

1. Minimum range - some ranges may be significantly wider

2. 316L stainless steel option / optional anti-corrosion treatment for floodlights

3. IK10 for the PMMA version, IK07 for the glass version

4. On request

Solutions designed for all types of environments.

		Functional				Functional Wide range of designer touches available						Signage		Emergency	
		Turner	Gericault	Scorel	Benson	Brueghel	Purcell	Pissarro	Elgar	Gounod	Mondrian	Mabuse	Maxwell	Coulomb	
Ø	Tubular diameter	Ø 133 mm	●		●	●				●		●			
		Ø 100 mm		●		●	●						●	●	
		Ø 70 mm	●		●			●							
		Ø 40 mm									●				
		Floodlight													
■	Body style	Transparent			●	●	●	●	●	●		●		●	
		Satin-finish	●	●							●		●		
○	Beam	Wide/diffuse	●	●							●		●	●	
		Directional/targeted ULR 0%			●	●	●								
		With a low-lum. louvre UGR <19					●								
		With a vertical louvre						●	●						
		With a tilted louvre								●	●				
		Dual beams for inspection pits													
		Intégration film signalétique											●		
🌡️	Temperature range	Standard: from -20°C to +35°C¹	●	●	●	●	●	●	●	●	●	●	●	30 °C	
		Extended range up to +50 °C													
		Extended range down to -40 °C												●	
🏠	Installation height	Heights < 4 m	●	●	●	●	●	●	●	●	●	●	●	●	
		4 m < heights < 8 m	●	●	●	●	●	●	●	●	●	●	●	●	●
		Heights > 8 m													
💧	Water and dust tightness	UP to IP68/69K	●	●	●	●	●	●	●	●	●	●	●	●	
		IP65													
T	Impacts	IK10	●	●	●	●	³	●	●	●	●	●	●	●	●
		IK08													
		IK07					³								
⚡	Power supply	220-240 V AC	●	●	●	●	●	●	●	●	●	●	●	●	
		24 V DC													
🔦	Emergency lighting EN 60598-2-22	Optional built-in battery	●	●	●	●	●	●					●	●	
		Optional central source (LSC)	●	●	●	●	●						●	●	
🌊	Intense vibrations														
		Corrosive environment (coastal)²	●	●	●	●	●	●	●	●	●	●	●	●	●
⚡	Extremely corrosive/abrasive environment														
		Overvoltage 320 V AC 48 h												●	●
🔌	Surge protection (4 kV)														
		Optional built-in HF detector	●	●	●	●	●	●		●					
		DALI option	●	●	●	●	●	●	●	●	●	●	⁴	●	
🔌	Casambi Bluetooth option		●	⁴	●	●	●	●	●	●	●				

Sammode offers

custom support from experts at

every step of your project



Diagnosis and recommendations

Each type of environment and application comes with its own lighting requirements. Our expert teams analyse every detail of operating conditions, the requirements at the facility, regulatory obligations and the specific priorities for your project. Thanks to our expertise, we can recommend the most suitable products and technologies to meet your needs, based on all technical, design, economic and environmental aspects.



Lighting studies

Lighting plays a key role in safety, visual comfort and energy efficiency. Sammode teams can run precise photometric studies in order to guarantee uniform lighting suitable for each specific application, while optimising the number of light points and minimising energy consumption and the inherent carbon footprint.

Our studies can also precisely evaluate potential energy savings (and the amount saved) thanks to our lighting solutions and smart management systems. In addition, we can quantify the environmental impact of your lighting plans by estimating the reduction in CO₂ emissions.



On-site testing and support

Every project is different, so our teams are here to support you every step of the way, from the design stage to installation, and custom monitoring after installation. We offer testing in actual conditions, depending on the scenario, in order to confirm the conformity of the selected solutions and adjust as necessary. Our teams stay by your side after the installation process, providing support with commissioning, training and optimising the final adjustments to ensure long-lasting performance.

Here are just a few of the customers, project managers and transport operators using Sammode lighting solutions:

Railway

CFL
Deutsche Bahn
ETF
Euromaint
Granitor
GTT
HS1 Ltd
Infrabel
Keolis
MTR Stockholm – ORA
NCC
NS Groep N.V.
RATP
SNCB
SNCF
Sporveien
TAM
Tisséo
Trafikverket

Bus centres and depots

Keolis
RATP
TEC
Transdev

Airports

Aéroports de Paris
(Groupe ADP)
Airports of Mauritius
(AML)
Fraport – Frankfurt
Airport

Maritime/Harbours

Brittany Ferries
Chantiers
de l’Atlantique
Corsica Ferries
Compagnie des Ports
du Morbihan
Copenhagen Malmö
harbour
Marine Nationale
Naval Group
Port de Marseille Fos

Car parks

Aéroville
C-Park
EFFIA
Indigo
Monaco Parkings
Q-Park
Tam
VME Heldentoren

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Head office and showroom

24 rue des Amandiers
F-75020 Paris
T +33 (0)1 43 14 84 90
FR: info@sammode.com
EN: enquiry@sammode.com
sammode.com

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Sammode

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Terminaux
Terminals
터미널

2B, 4



Sammode

Sammode
24 rue des Amandiers
F-75020 Paris
T +33 (0) 43 14 84 90
info@sammode.com
sammode.com

