

Schröder
Experts in lightability™

FOCUS

Lighting solutions for rail

Minimal energy and maintenance costs while ensuring safety and comfort



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Overview
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and its
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A few of our projects





Gary Bennett
Regional Director
UK & Ireland
Schröder

Time to get back on the rails

Every train journey begins and ends in a station. The impression that railway stations leave on a traveller impacts their view of the whole rail network. Train stations also act as gateways to a new area. They are often the first experience that a traveller gets of a village, town or city. Today, railway stations operate around the clock and a modernisation programme is making railway stations fit for the 21st century, improving the passenger environment and looking to use cost-effective and environmentally friendly ways to enable travellers to begin and complete journeys.

Rising fuel prices, the growing problem of road congestion and the need to move towards sustainability make rail more than ever the most appropriate means of transport. It is the way forward for the government and its plan “Decarbonising transport: a better, greener Britain”.

High quality, yet energy-efficient and low-maintenance lighting provides a strategic asset for the development of a sustainable and beneficial railway infrastructure.



UK rail network



190,000

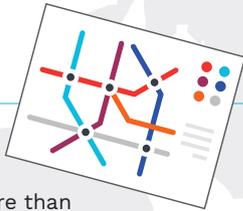
people employed



£96bn



Integrated Rail Plan
to modernise rail
networks



More than

20,000 miles

of track



35.1g

CO₂e/passenger/km



The UK rail network

1825

The oldest
in the world



2,570

stations



1.7 billion
passengers



Every year journeys

5

things passengers want¹

1
Have a
positive overall
experience

2
Be informed of
incidents and
disruptions

3
Easily find the
way in and
around railway
stations

4
Feel safe and
comfortable throughout
the journey

5
Connect the train
with other means of
transport

¹ According to the February 2022 report by Transport Focus, the independent watchdog for transport users.

About Schröder and Urbis Schröder

Who is Schröder?

For more than 115 years, Schröder, an independent, family-owned company, has dedicated itself to exploring everything there is about the potential of light, constantly pushing the boundaries of technological innovations.

Expertise, passion, innovation, and sustainability drive 2,600 employees to use the power of light for the safety and well-being of all, from public spaces to higher-risk environments, such as railway stations, commuter routes and car parks where the consequences of a dark or dimly lit area can lead to injuries.





Urbis Schröder: leading where others follow

Based in Basingstoke, Urbis Schröder has been delivering high quality lighting since 1977. It is now one of the UK's largest suppliers of street lighting and exterior decorative lighting equipment.

High technical quality and aesthetic design is at the heart of the company's philosophy and this, coupled with exceptional levels of customer focus, has led Urbis Schröder to develop the most cost effective, energy efficient, lighting innovations for the rail market in the UK.

The ability to make a real difference in the spaces we light, to stretch the boundaries of what is possible, to delight our customers is what makes us unique. It is what makes us Experts in Lightability™.

LED lighting solutions can significantly reduce energy costs and carbon emissions by up to 80%.

LEDs have a long life span so the lighting solution lasts decades; meaning that the whole life cost of lighting is dramatically reduced.

Why LED lighting?

The quality of light is better. LEDs provide visual accuracy in environments where it is paramount, both in the ability to see clearly and move in complete safety and comfort for both employees and customers.

Our commitment to technical quality, has led us to develop the most cost-effective and energy-efficient range of luminaires available on the market today for lighting commuter spaces, even in the most remote and challenging environments.

They can be easily integrated into management systems for flexible scheduling to optimise lighting networks and generate even more savings.





Why Urbis Schröder ?

Urbis Schröder's wide range of lighting solutions for the rail industry, combined with the company's expertise and outstanding heritage in delivering breakthrough projects, creates the best possible experience for passengers and staff in the station environment.

Critical to delivering a safe and pleasant passenger experience inside and in the vicinity of a station is appropriate lighting solutions.

New technology offers the rail industry the ability to improve station lighting and significantly reduce cost. By combining traditional street lighting, LED handrails, continuous tiled lighting and ground level inclination lighting; it is possible to create a bright and effective environment.

The improved visibility reduces the risk of crime in a station environment and increases passenger confidence.

LET'S GET CONNECTED

Connecting your luminaires is not just about adding in a control system to the products you are having installed, it's much more than that. It is about control of the area you are lighting, it's about the space the lights are in and the people who are using that space, it's about delivering solutions beyond lighting for electric mobility, security, information and entertainment.

Is the light right for type of areas? Are you lighting an area to reduce the crime rate? What type of lighting will attract people to use that space? And do you need to dim the light during certain hours of the night but have the control to be able to make them bright again should there be an emergency? Are you wanting to look for energy efficient lighting, a more sustainable solution that reduces your costs?

So, by taking all of this into consideration, the place, the space, the people, the light, the control, let's get connected!



**Connecting
your luminaires
is much more
than adding a
control system
to the products.
It is about
customising an
area to unleash
its full potential.**





Schröder EXEDRA remote management system

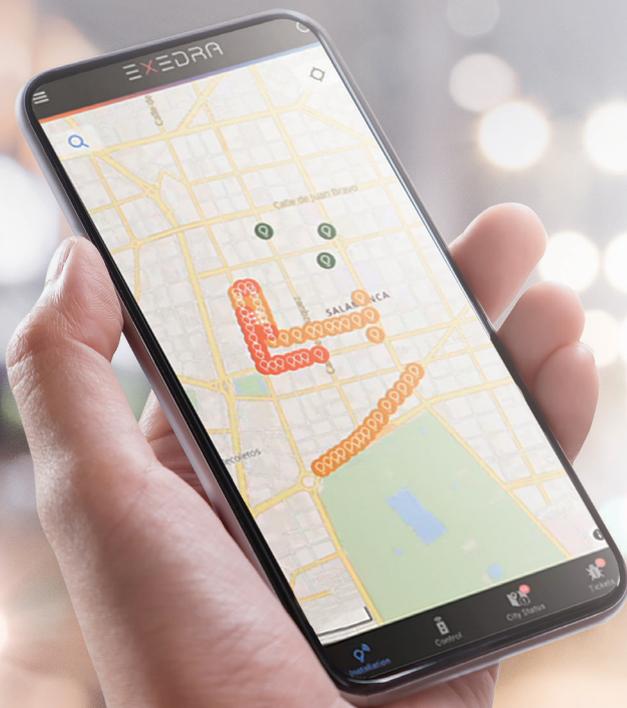
Schröder EXEDRA is a remote control system for **monitoring, metering and managing a lighting network**. It is a complete solution based on open standards and protocols

Schröder EXEDRA offers a unique combination of state-of-the-art technology and an **easy-to-use web interface** to control each luminaire at all times through a secure internet connection.

With bi-directional communication, the **operating**

status, energy consumption and possible failures can be monitored.

Schröder EXEDRA can be combined with a wide range of sensors to create **responsive lighting scenarios**. Through advanced data analytics tools, presented both visually and in reports, Schröder EXEDRA is a powerful tool for efficiency, rationalisation and decision making.

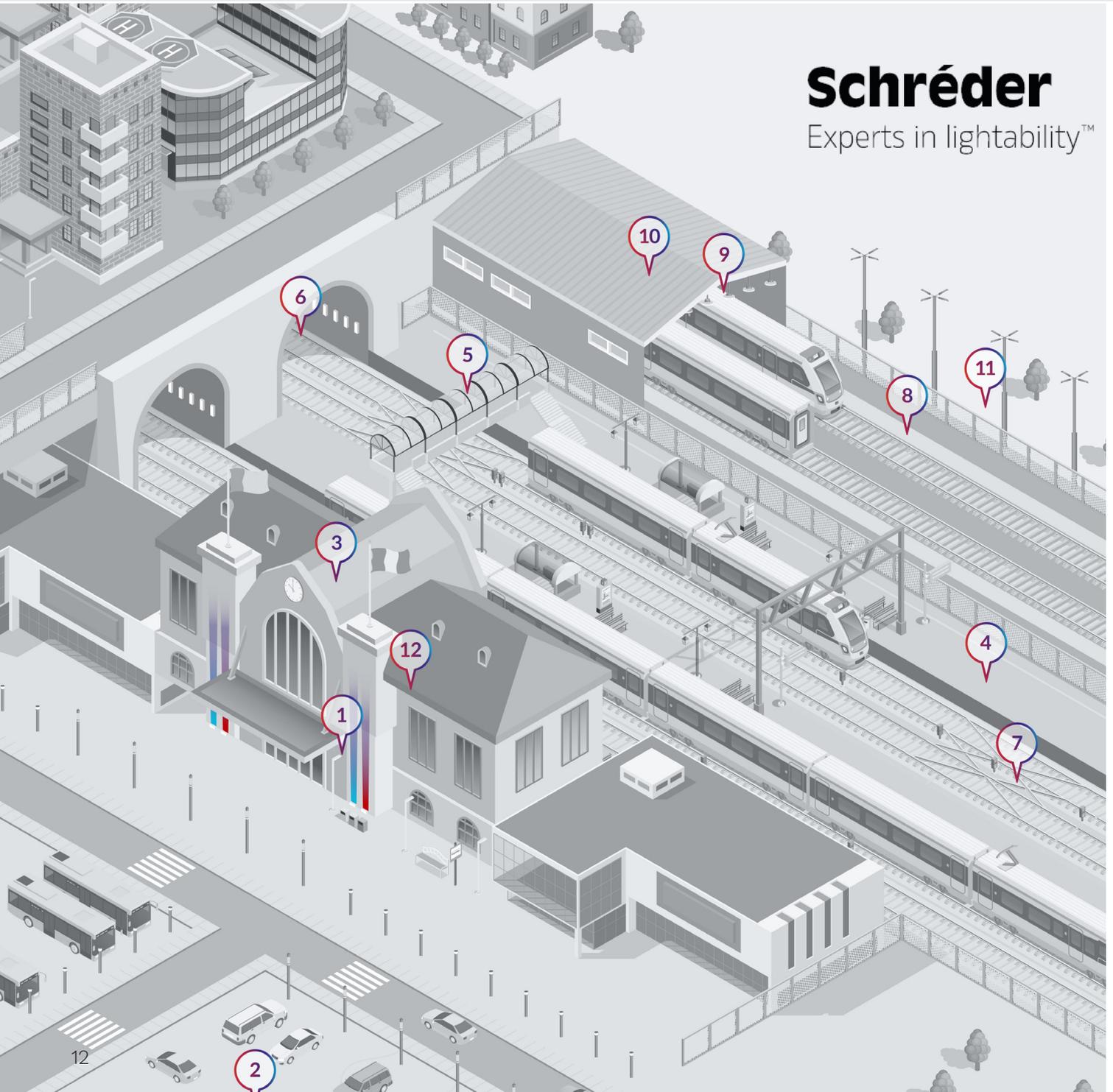


Key advantages

- Smart, open and interoperable system with 3rd party devices and platforms
- Light-on-demand scenarios upgradable at any time (bi-directional communication)
- Same system for the whole city (not only the pedestrian crossings)
- Futureproof platform to address new challenges and to evolve with technology
- Compatible with NEMA and Zhaga-D4i controllers/sensors

Overview of a train station

Schröder
Experts in lightability™



- 1** Station forecourt
- 2** Car parks
- 3** Station
- 4** Open platforms
- 5** Footbridges
- 6** Tunnels
- 7** Junctions
- 8** Driver walkways
- 9** Maintenance pits
- 10** Maintenance high bays
- 11** High masts
- 12** Architectural



Station forecourt

CE



IP 66

IK 06-10



SHUFFLE

The smart integrated solution for modern and attractive station forecourts

The multi-functional SHUFFLE column creates safe, pleasant places, connect people to the internet, inform and entertain them, while keeping an elegant and discreet presence that blends into any area.

Comfortable ambient lighting creates attractive environments, while state-of-the-art surveillance cameras, with digital zoom or fully motorised control, keep an eye on people and their valuables such as bicycles, deterring the unwary and providing a sense of security.

Designed as a future proof modular system, SHUFFLE can also offer charging stations for e-bikes. It creates modern and connected outdoor spaces with high added value.



360° lighting
with WLAN



Loudspeaker



PIR sensor



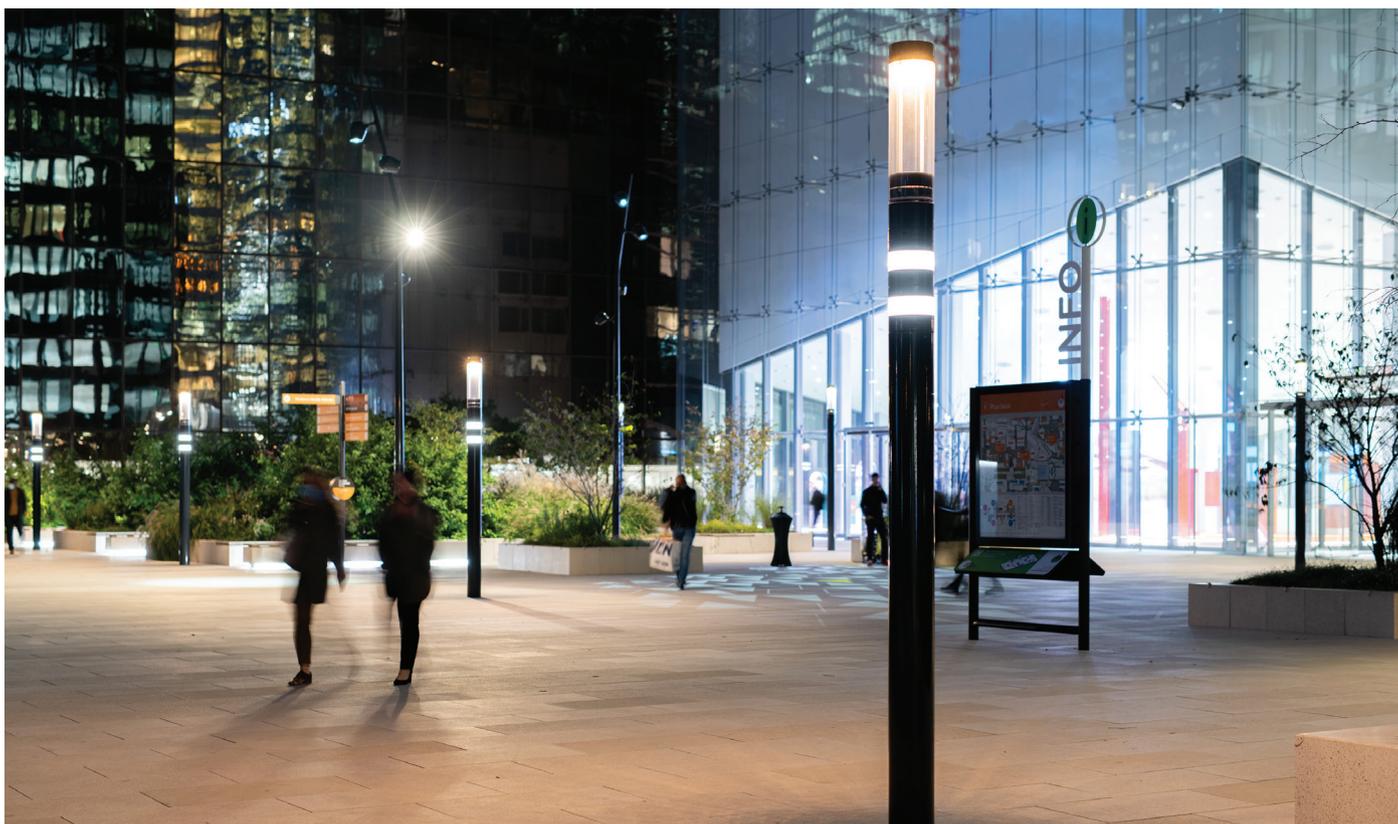
QuadView
camera



Power socket



Light ring



Station forecourt

FLEXIA

The ultimate platform for your unique lighting solution

Various designs, many configurations, one single DNA. FLEXIA is the ultimate platform to create your unique urban lighting solution. Focus on creating a unique ambiance for people living and visiting your spaces instead of dealing with non-stop constraints.

With no technical limitations, more design consistency and the guarantee of the latest innovations, FLEXIA offers a versatile technological platform with refined aesthetics. FLEXIA incorporates a refined design with an advanced and interchangeable technology compatible with a circular economy.



FLEXIA FG



FLEXIA QUERCUS



FLEXIA TOP



FLEXIA DP



FLEXIA POEME

Schröder
Signature

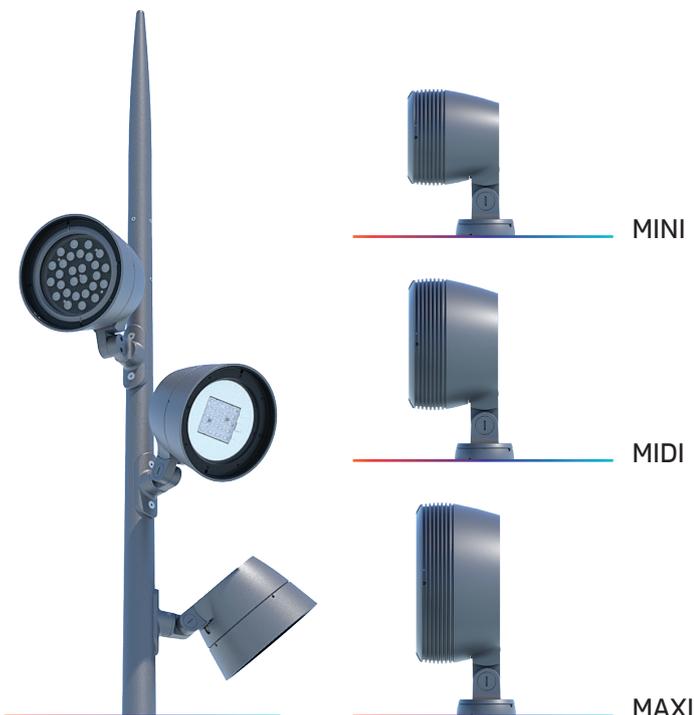


VALINTA

The holistic lighting solution for living cities

Every urban setting has a story to tell. With this belief in mind, we have created VALINTA. Designed both for lighting and architectural enhancement, VALINTA provides aesthetical and technical consistency for all kinds of applications through various lumen packages (3 sizes), light distributions and LED types (white or RGB).

This holistic approach to public lighting enables planners, lighting designers and architects to explore the power of VALINTA to beautify station forecourts. From basic lighting to peak illumination, VALINTA is your ally in revealing and magnifying every detail.



VALINTA CURVE



VALINTA GROOVE



VALINTA SCOPE



Car parks



IP 66

IK 10



AXIA 3

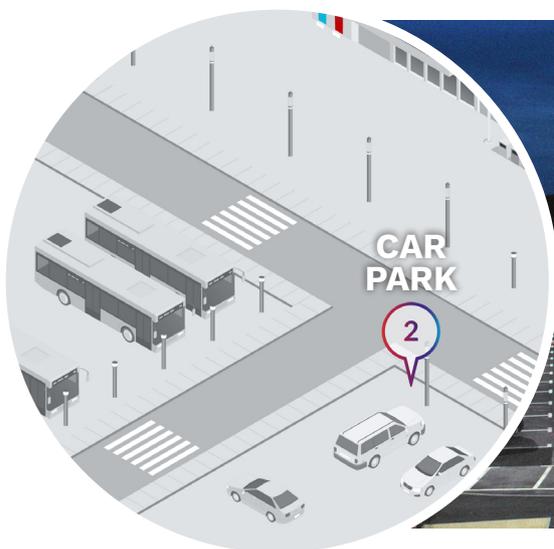
A robust yet compact luminaire with **superior efficiency for car parks**

Car parks are an essential part of train station infrastructure for commuters and other train users. As such, car parks need to be as safe as possible. According to authorities, any car park that is used during a period of darkness must be lit.

More than a luminaire, AXIA 3 is a platform delivering sustainability, cost-effectiveness and customer experience all while supporting smart train station frameworks with dimming and light-on-demand features.

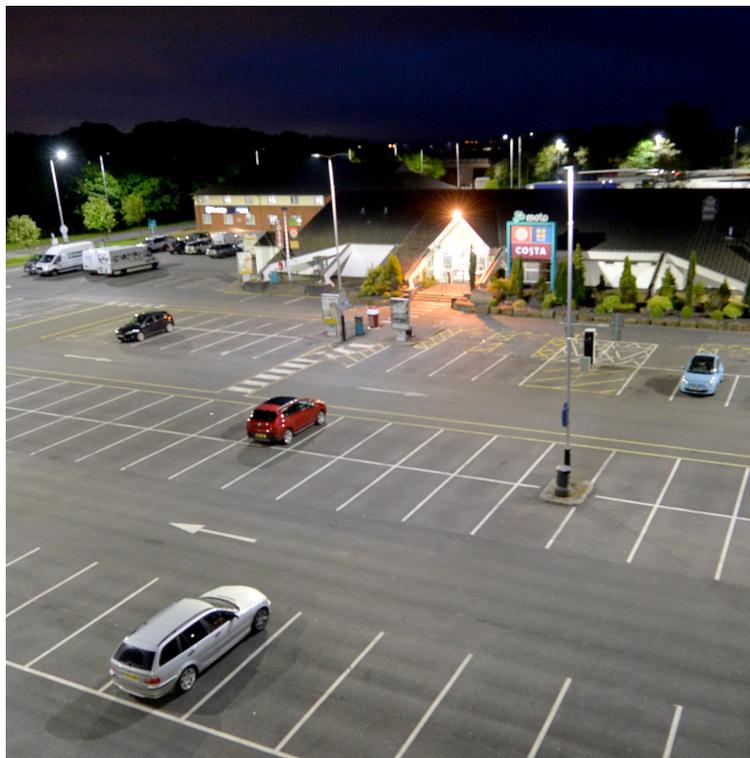
Thanks to high-performance optics, AXIA 3 provides a uniform, low-glare white light that creates safe and comfortable car parks where pedestrians feel safe and motorists can navigate easily. It avoids over-lighting and dark shadows while minimising energy and maintenance costs.

With a design based on the experience of hundreds of thousands of installed AXIA luminaires, the AXIA 3 offers high protection against vandalism (IK 10) and water ingress (IP 66) to guarantee long-lasting performance.



Key advantages

- Maximised savings in energy and maintenance costs
- ProFlex™ photometric engines offering high efficiency lighting, comfort and safety
- Easy installation: pre-cabled and equipped with universal fixation part adapted for side-entry and post-top mounting
- Adjustable inclination for optimised photometry and uniformity
- Connected-ready (with a NEMA or a Zhaga node)
- Optional detection sensor (PIR)
- Long lifetime: L90 after 100,000 hours



IZYLUM

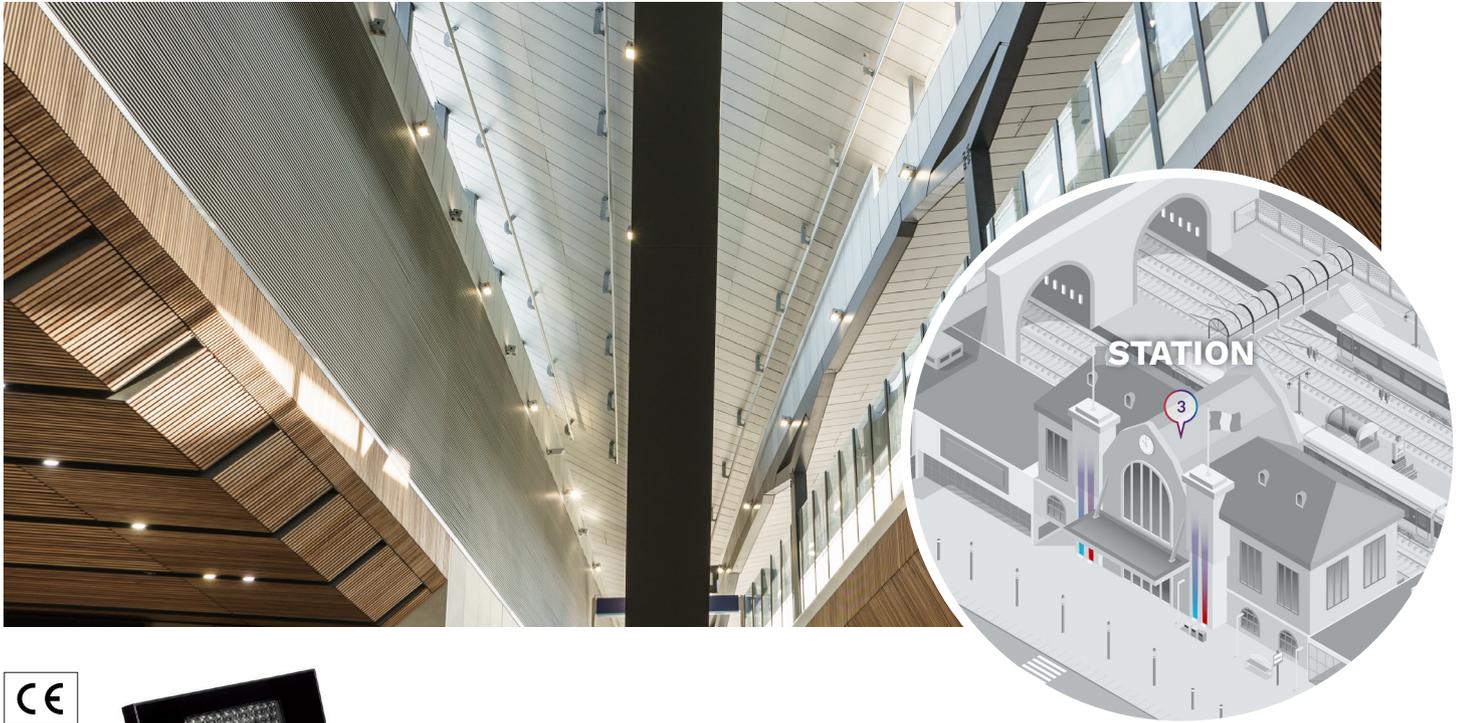
IZYLUM is a range of robust yet compact outdoor LED luminaires, designed with a focus on easy installation and maintenance. These connected-ready luminaires offer a realistic platform for train stations. Their lightweight optimised design minimises the carbon footprint at every stage of the product lifecycle.



INDU FLOOD

INDU FLOOD is the ideal tool to provide an efficient multi-purpose LED lighting solution in transport infrastructure. Available in 3 sizes, this compact and flexible luminaire offers superior visual comfort, excellent colour perception and visibility to create safe and attractive environments.

Station



IP 66

IK 06-10



SCULP floodlights offer flexibility and efficiency in sculpting the light and bathing the station in gentle, dynamic white or coloured light. Intelligent and thoughtful lighting design builds confidence, allows people to see each other and makes them feel welcome. Shopping, eating and drinking are as much a part of the experience as riding the train.

SCULP floodlights can increase brightness and visibility, so that passengers and staff can move safely and comfortably, while enhancing the station's architecture. With our experts, stations become railway cathedrals, lit for modern life.

Our custom approach: the guarantee of a perfect match for your project



With its decorative embellishment, the REGENT lantern is a budget-friendly heritage lighting solution.



SCULPFLOOD is dedicated to creating striking lighting effects and enhancing the value of architectural buildings.



The ZENITH wallpack combines attractive aesthetics with high performance, in a practical robust housing.



Designed for comfortable and energy-efficient linear lighting, INDU CONTILINE is an innovative modular trunking LED system.



Open platforms



IP 66/67

IK 09

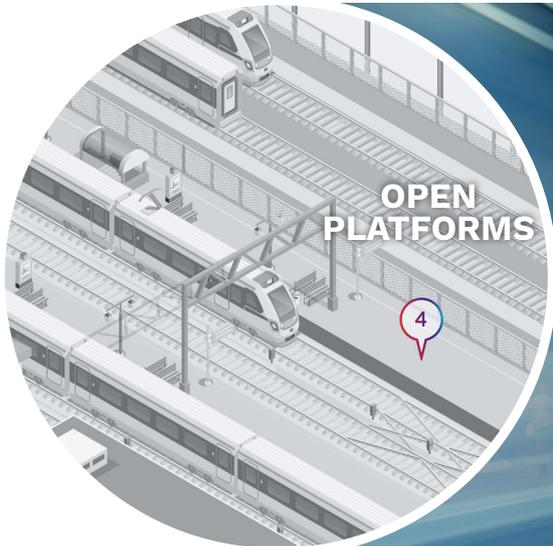


IZYLUM

Bright, energy-efficient, glare-free **lighting for open platforms**

Based on Schröder experience and proven track record with LED lighting for open platforms, the IZYLUM luminaire benefits from numerous innovations to provide the ultimate experience for any stakeholder in train stations – operators looking for a fast return on investment with an environmentally friendly, easy-to-operate lighting solution, contractors wanting to save time and avoid mistakes during installation, and commuters requiring safe and comfortable platforms.

IZYLUM meets the challenges, providing the right lighting levels from winter morning rush hours, to the last train on a sleepy Sunday. As shutting areas or platforms can create havoc for transport services, the IZYLUM luminaires virtually require no maintenance during their long lifetime.



Key advantages

- Maximised savings in energy and maintenance costs
- New generation of LensoFlex@4 and MidFlex™2 photometric engines offering high-efficiency lighting, comfort and safety
- Tool-free access for maintenance
- IzyFix universal fixation with adjustable inclination for optimised photometry and uniformity
- Connected-ready (with a NEMA or a Zhaga node)
- Emergency option available
- Long lifetime: L95 after 100,000 hours



ALBANY LED

Inspired by the Victorian lanterns, ALBANY LED is designed to bring a touch of heritage with modern technology. This classic luminaire offers quality lighting, significant energy savings and a low carbon footprint, while being connected-ready.



AXIA 3

With customer feedback playing a critical part in our innovative design process, we developed AXIA 3. More than a luminaire, it is a platform delivering sustainability, cost-effectiveness and customer experience, all while supporting smart infrastructure frameworks.

Footbridges



IP 66/67

IK 10



Built seamlessly into brushed or painted stainless steel tubes, ALINEA provides a robust, finished solution for more unique pathways.

It is available with both asymmetrical and symmetrical light distributions, ensuring no light is wasted and the lighting standards are met.

ALINEA

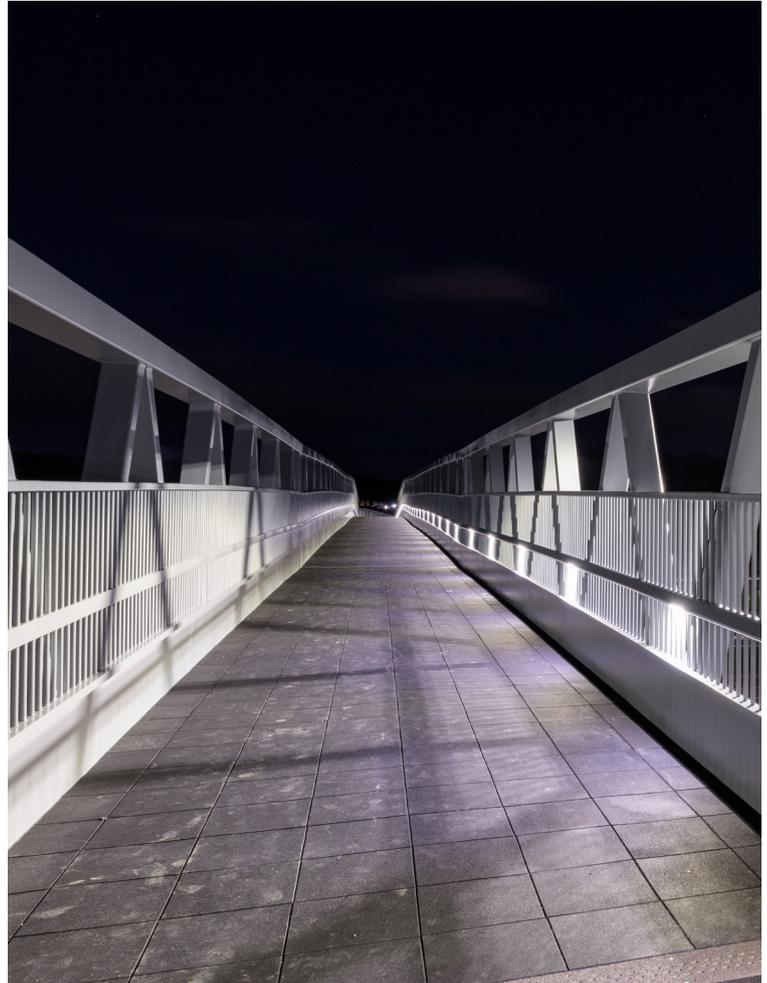
Unrivalled performance, coupled with seamless aesthetics, **to deliver the best experience**

Schröder provides a complete delivery solution, including detailed design, manufacturing, installation and maintenance. ALINEA offers the best value for our customers and a scheme that creates enjoyable, comfortable experiences for end users.



Key advantages

- Seamless aesthetic integration combined with high quality, robust, finished solution
- Long-lasting design with sealed LED modules
- Asymmetrical and symmetrical light distributions
- Integrated backlight shield
- Complete range of accessories: straight, flush and angled knuckles
- Emergency option available
- Control options available
- Long lifetime: L90 after 100,000 hours



ALINEA ANTI-CLIMB

ALINEA handrail, is also available in an anti-climb solution. The sloping slides of the handrail discourage climbers from standing on it, making it difficult to stand and balance, reducing the possibility and risk of jumping.

Junctions and tunnels

CORUS MK2

Unique photometric distribution **engineered for railway junction and tunnel lighting**



The robust nature and photometric performance of CORUS MK2 make it a reliable and effective trackside and tunnel lighting unit.

The LED engine offers outstanding lighting distribution, pinpointing light exactly where it is needed but without creating glare.

CORUS MK2 is a practical solution for trackside point inspection and tunnel lighting. The floodlight's glass protection is designed to prevent the accumulation

of water when laid flat, providing the reliability and performance when exposed to the elements.

The compact mechanical robustness was originally designed to withstand external elements, but CORUS can comfortably withstand the vacuum effect created by passing trains. A reliable, practical, energy efficient and high performing luminaire, CORUS MK2 really is a great all-rounder.





Driver walkways



PHAROS

Creating both efficient **visual guidance and a pleasant atmosphere for pedestrians**

The PHAROS bollard offers 'fit and forget' reliability, designed and tested for 'real world' vandal resistance, ensuring the longevity of the product, in line with industry-leading LED technology.

It offers two photometrical options: a symmetrical distribution and an asymmetrical distribution, with the option of an opal or clear protector. Design is tailored depending on the specific application.

Key advantages

- Real-world vandal resistance
- Compliant with dark sky regulations
- Asymmetrical and symmetrical light distributions (optional backlight shield)
- Electrical vehicle charging option
- 10mm heavy duty polyethylene bollard option available
- Opal protector results in excellent vertical illuminance, ensuring facial visibility in high footfall applications
- 360 degree on-site adjustability
- Control options available



EV PHAROS

As the world converts to electric mobility, we need the infrastructure to support this change. Urbis Schröder has partnered with City EV, a leading Electric Vehicle charging company, and developed the EV PHAROS making it easy to light an area and charge a vehicle at the same time. Giving you security whilst charging.

Maintenance pits



IP 67

IK 10



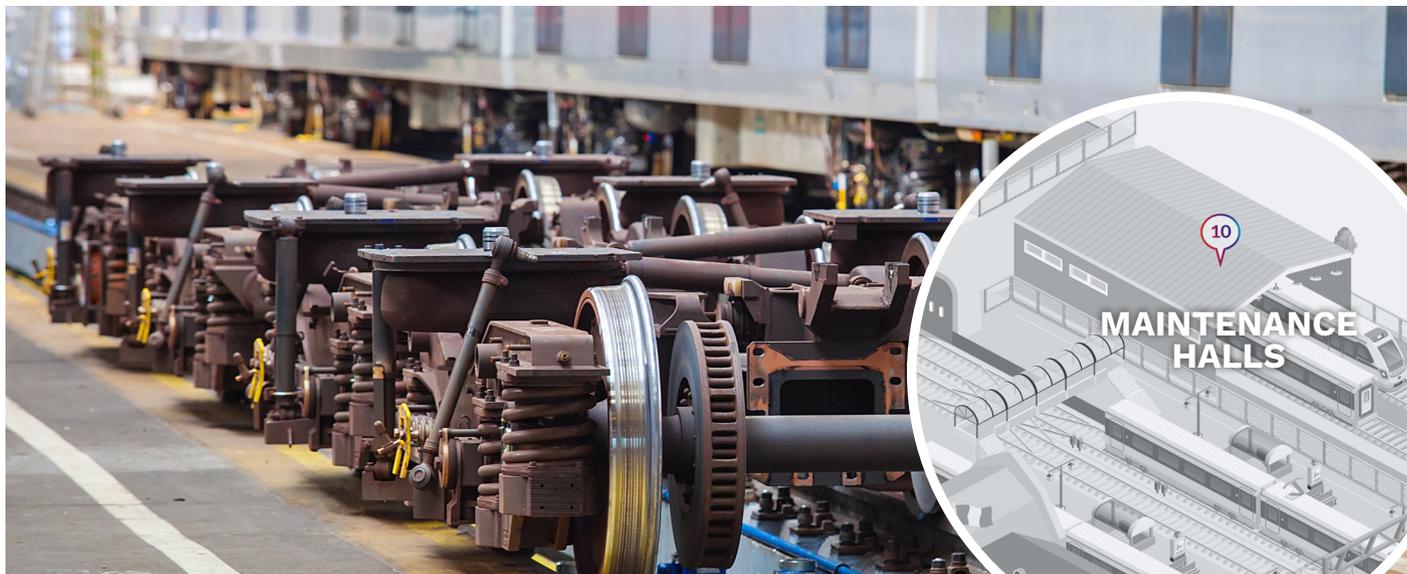
MY1 LED

Robust solution
for **safe working
environment**

MY1 LED is the ideal lighting solution for indoor areas such as maintenance pits for cars and locomotives. Thanks to its robust design (aluminium and polycarbonate) and its various photometries, this versatile LED fixture provides safety and comfort for working people in these demanding places. By incorporating state-of-the-art LED technology,

MY1 LED maximises savings in energy and benefits from a long lifetime, minimising maintenance operations. This linear LED lighting offers also a versatile and easy mounting on various surfaces (ceiling, walls or any other flat surfaces).





IP 66

GLASS
IK 08

PC
IK 10



INDU BAY

Energy efficient high-bay floodlight that **optimises safety and productivity**

INDU BAY is the leading luminaire for lighting maintenance halls with a minimised total cost of ownership. Efficient, light, versatile and smart, it outperforms all other LED high-bay fixtures thanks to the substantial energy savings it generates and the performance it delivers over time.

With various light distributions and mounting options,

it adapts the lighting to meet the specific needs of your hall. INDU BAY creates a comfortable working environment with perfect visibility to enable staff to do their work more easily and safely, which also boosts morale and increases productivity. INDU BAY transforms your lighting from a necessary expense into a strategic asset.

High masts



IP 66

IK 09



INDU FLOOD

Efficiency and versatility for high-mast applications

INDU FLOOD is the ideal tool to provide an efficient multi-purpose LED lighting solution in transport environments. Available in 3 sizes, this compact and flexible luminaire provides superior visual comfort, excellent colour perception and visibility to create safe and comfortable environments.

Perfectly suited for high-mast applications, INDU FLOOD offers a fast ROI as it delivers efficient lighting with high energy savings and low maintenance requirements, even in the most demanding environments.



Key advantages

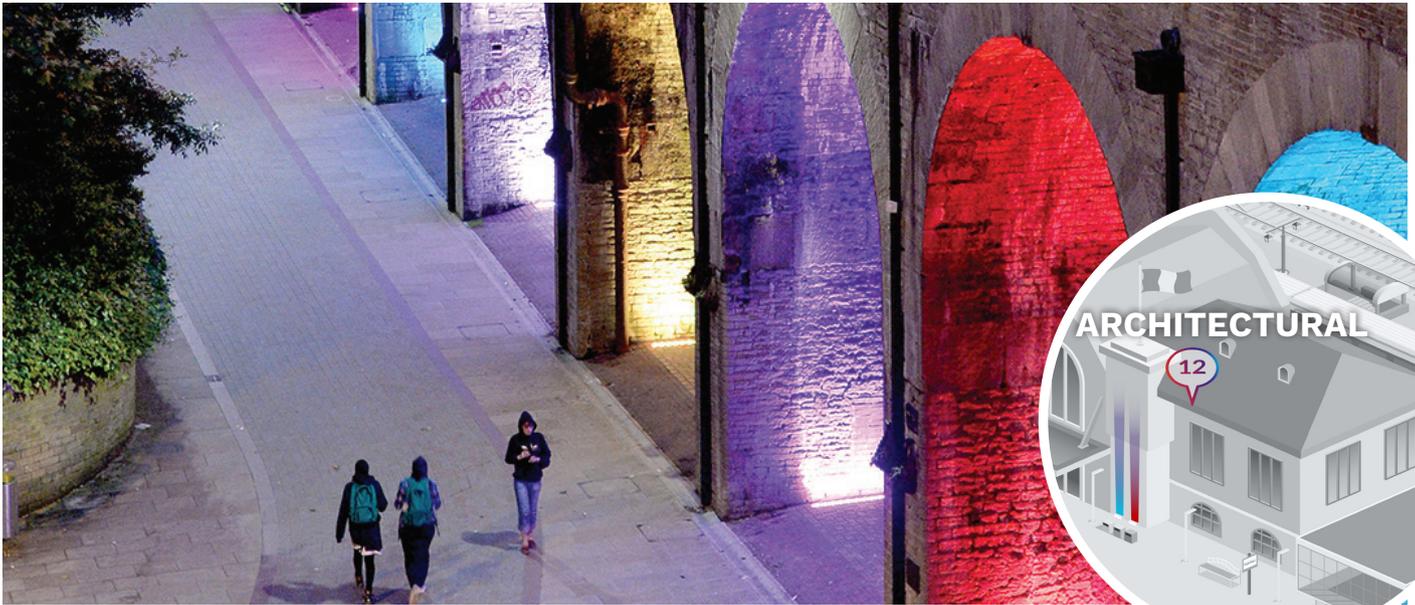
- High efficiency with low operating costs
- Multiple light distributions to replace discharge lamps from 50 to 800W
- High energy savings compared to systems with traditional discharge lamps
- Dimmable for even more energy savings
- Control options available
- Range of light distributions to ensure the right light
- Fast ROI thanks to long life span and reduced maintenance



OMNISTAR

The OMNISTAR LED floodlight delivers efficient lighting with high energy savings and low maintenance requirements for applications requiring high lumen packages, even in the most demanding environments. This versatile lighting solution is proposed with various mounting accessories to suit the specific needs of your project.

Architectural



IP 66

GLASS
IK 07

PC
IK 08



SCULPLINE

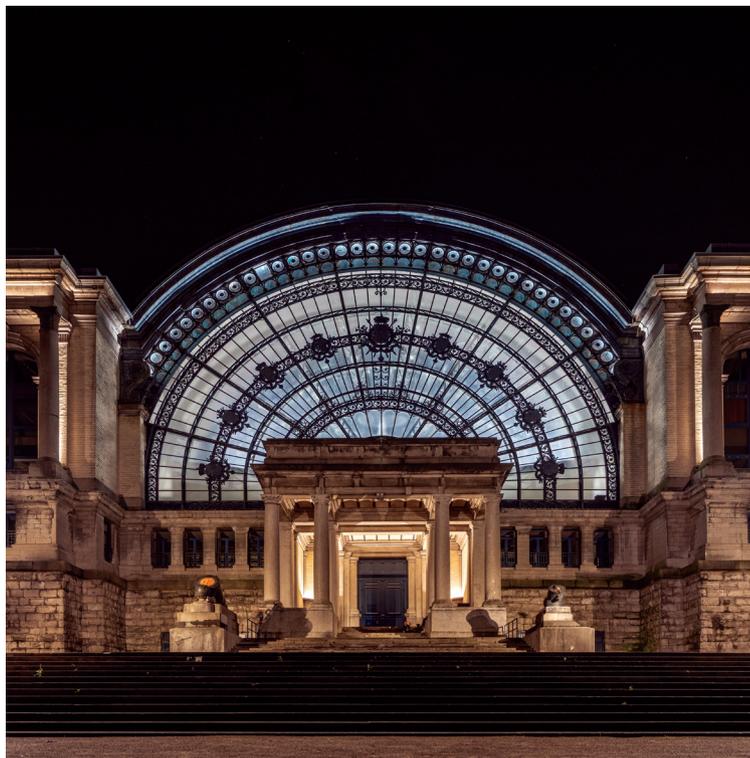
Flexible wall washer
for **advanced
architectural
illumination**

SCULPLINE is a modern floodlight offering a wall washer effect that can be used for façade illumination. The available accessories enable lighting designers to sculpt the light to create a unique identity for train stations. SCULPLINE offers a wide palette of colours and lighting effects while providing huge energy savings thanks to its performing photometric engines.

SCULPLINE enhances the value of architectural buildings at night. Through control systems, dynamic lighting scenarios can be achieved for striking results.

Key advantages

- Elegant and compact design for minimum impact on architecture
- Front cover can be customised to perfectly integrate the environment
- Coloured (RGBW) or white LEDs
- Broad palette of lighting effects/ distributions
- Variable number of LEDs from 10 up to 48LEDs/m
- Large range of mounting options
- Low energy consumption
- Long lifetime: L90 after 100,000 hours



SCULPDOT

Intended to enhance architectural details and other features, SCULPDOT is a compact floodlight available with coloured or white LEDs for a careful lighting design. The degree angle indication system on the bracket allows for precise on-site adjustment and facilitates the fine-tuning of the installation.



SCULPFLOOD

The SCULPFLOOD LED floodlight provides the best solution to transform medium and large architectural structures into landmarks. Through control systems, dynamic lighting scenarios can be achieved for a dramatic lighting effect.

A few of our projects



Reading (United Kingdom)



Leeds (United Kingdom)



St Pancras (United Kingdom)



Kings Lynn (United Kingdom)



A19 (United Kingdom)

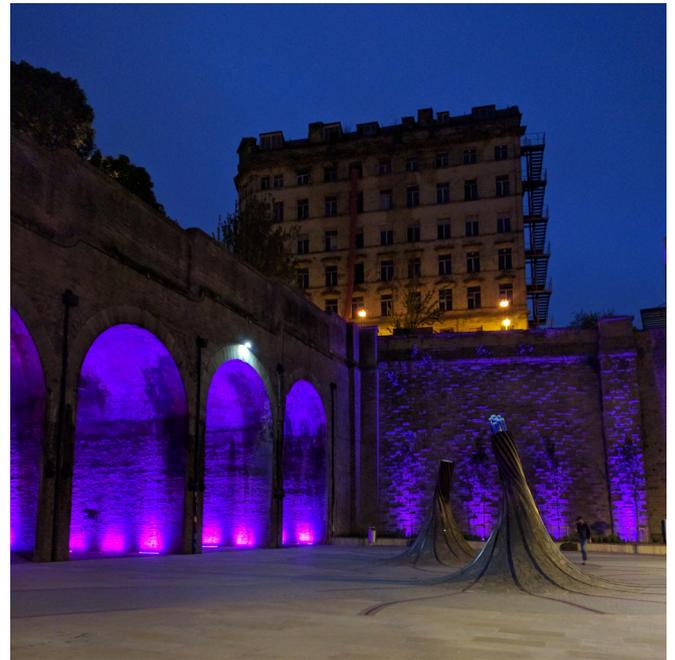
A few of our projects



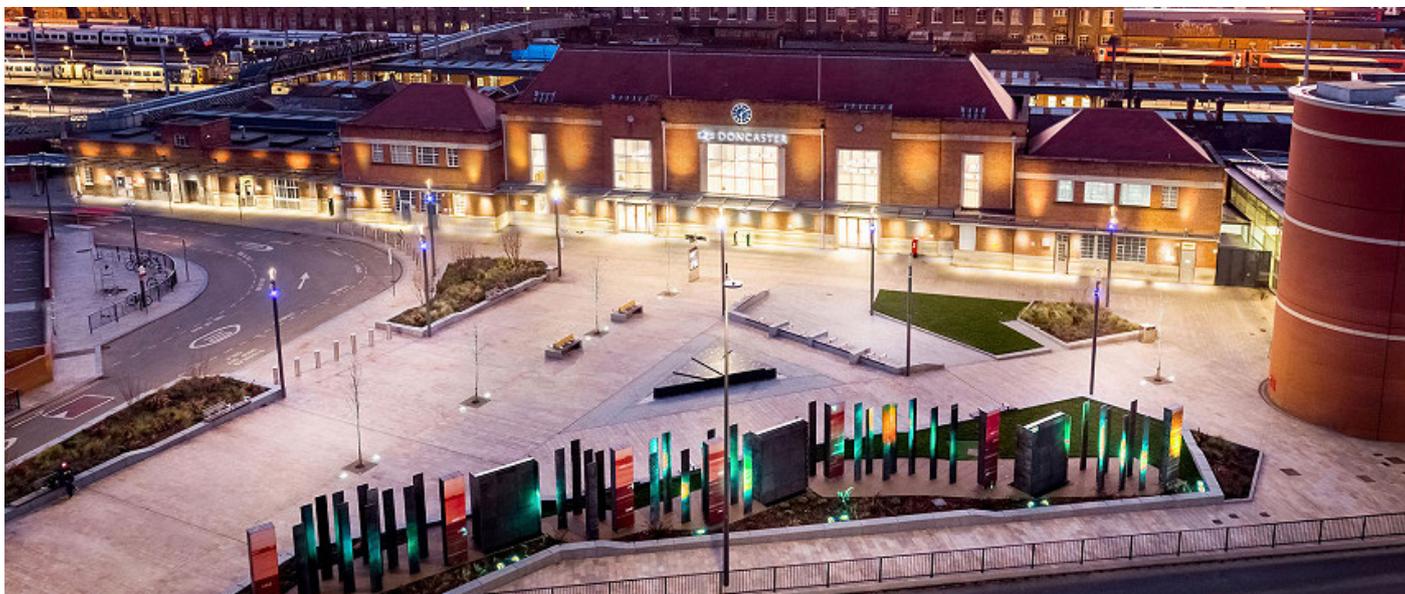
Jacobs Ladder (United Kingdom)



Southampton Airport Parkway (United Kingdom)



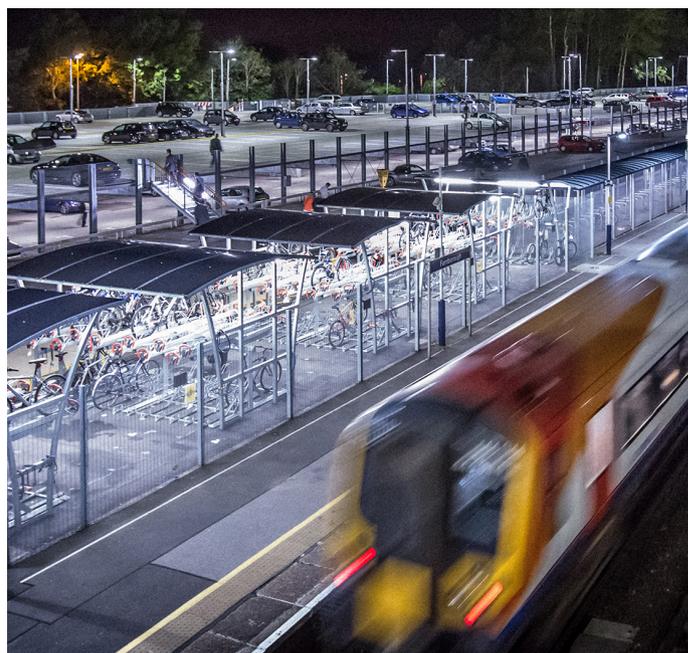
Forster Square, Bradford (United Kingdom)



Doncaster (United Kingdom)



Liverpool (United Kingdom)



Farnborough (United Kingdom)

Schröder

Experts in lightability™



www.schreder.com

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