Schréder
Experts in lightability™

Smart and sustainable
lighting solutions

For safe, pleasant and connected environments

Lightability™

a spirit, a mission, our beliefs

Schréder

Experts in lightability™

With a century-long tradition of innovation and entrepreneurial spirit, Schéder pushes the limits of smart lighting. We are broadening our expertise to not only light the urban environment but also provide more services to interact with public spaces and the people in them.

We **help** local authorities establish open, interoperable platforms and provide easy-to-integrate infrastructure that not only improves the quality of life in cities but also the quality of democracy.

We **care** about taxpayers' money and provide the best cost/benefit for citizens. Hence we encourage more effective use of public finances by integrating public policies and operational cost reductions through new technologies.

We **stimulate** active, open and inclusive participation of actors belonging to a city's innovation eco-system, to foster the social, environmental and economic development of businesses and citizens.

We **strive** to create inclusive environments that stimulate accessibility for people with disabilities, encourage gender and ethnic equity, and bring new opportunities to vulnerable places in cities.

We **encourage** and implement training initiatives for citizens, planners and public managers on lighting & smarter cities in an open, transparent and non-biased way.

LUMINAIRE RANGE

ALBANY	ALURA LED	AMPERA	ASTRAL SLIM	AVENTO	AXIA 2	AXIA 3
AXIA 3 EVO	BLOCO	BORA	BORA EXPLORA	BRITELINE GEN2	CALLA LED	CITEA NG2
CITRINE	CONTILED	DEXO	ECOBLAST	FLEXIA	FRIZA	FV32 LED
GL2 COMPACT	HAPILED	HESTIA GEN2	ILUM MARK	INDU BAY	INDU CONTILINE	INDU DOWNLIGHT
INDU FLOOD	INDU LINE	INDU PANEL	INDU WALL PACK	INOA LED	ISLA LED	IZYLUM
KAZU	KIO LED	MODULLUM	MY1 LED	NEOS LED	OMNIBLAST	OMNIFLOOD
OMNISTAR	OMNISTAR KIT	OYO	PERLA	PIANO	PILZEO	PONTO
RIVARA	SCULPDOT	SCULPFLOOD	SCULPLINE	SHUFFLE POST-TOP	STYLAGE	TAG
TECEO	TERRA LED	TFLEX	TFLEX STS	TFLEX LINE	TLI	VALENTINO GEN2
VALINTA	VOLTANA	YMERA	YOA	ZELA	ZYLINDO	

CONTROL SYSTEMS

TUNNELS	CITIES	SPORT FACILITIES	INDUSTRIES & LARGE AREAS
ATS4	EXEDRA	TERRA	TERRA

BRACKET RANGE

ANDO	BOREAL BRACKET	CONDOR	DIO	ELAYA	EQUINOXE	EVENS

FLO	ITO	KEMA	KORDA	LUCEA	LUTECIA	LYRE YOA

MILLA	SOFIA	ST REMY	STADIO	STYLAGE BRACKET	THYLIA	TRESSA

VECTOR	YOHO
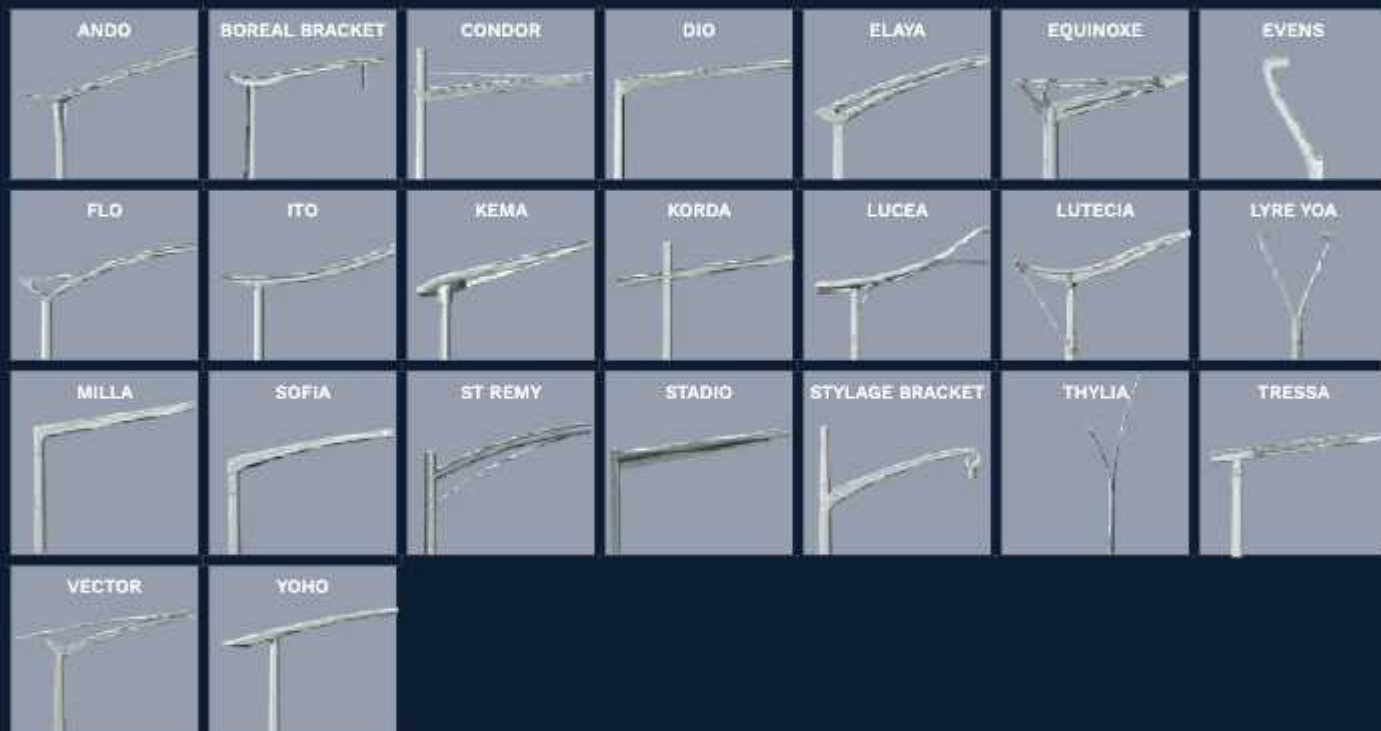
SMART POLE

SHUFFLE

Your partner in sustainability

Schréder has developed a cohesive, company-wide sustainability strategy called "**Together for our Future**". This commitment is structured around three axes encompassing the relevant prioritised **UN Sustainable Development Goals** (SDGs). Sustainability is embedded into our strategy, structure, processes and culture. At Schréder, we collaborate closely with our customers to develop robust and long-term solutions to meet the challenges they face, while adding value with a positive, lasting impact on society and the environment.

PLANET

Being responsible for the planet by reducing our own and our customers' environmental impact.

COMMUNITY

Being responsible for the community by having a resolutely positive impact on society through our solutions.

PEOPLE

Being responsible for our staff members by developing human growth through diversity and respect for human rights.

SUSTAINABLE DEVELOPMENT GOALS

«Our role as market leader motivates us to take part in the global battle against climate change and contribute to respectful economic development. We help communities face their biggest challenges, making the world more sustainable.»

Werner de Wolf
CEO – Schréder

A company strongly committed to sustainability

EcoVadis evaluates more than 85,000 organisations in over 160 countries and in over 200 industries every year. **Based on 21 criteria, the rating assesses a company's performance** in four categories: Environment, Labour and Human Rights, Ethics and Sustainable Procurement.

The EcoVadis gold rating aknowledges the efforts being made every day by every single Schréder employee to enable a better and more sustainable world.

More information:
www.ecovadis.com

GOLD
2022
ecovadis
Sustainability
Rating

YOUR PARTNER IN SUSTAINABILITY

Being responsible
for the planet

Manufacturing according to the highest environmental standards

All Schréder factories are certified ISO 14001:2015 which recognises their efforts for their environmental management system.
For each factory, a continuous improvement plan for resource efficiency and waste management is put into action by the quality manager.

More information:
www.iso.org

Transparency throughout the complete product life cycle

To provide our customers with clear information on the environmental impact of each luminaire, Schréder relies on **a product life cycle analysis tool** (Instant LCA), developed in collaboration with an independent agency (in accordance with the principles of ISO 14040:2006). The results are available in the **Product Environmental Profile** (PEP) documents.
They summarise the luminaire's life cycle assessment, by examining its environmental impact throughout its life cycle, from raw material extraction to end of life.

The PEP documents are available upon request to all customers to help them demonstrate their regulatory compliance and commitment to minimising their environmental footprint.

YOUR PARTNER IN SUSTAINABILITY

Building a circular ecosystem

CIRCLELIGHT

Schréder takes the circular economy into account, right from the outset. From the concept phase, design guidelines not only consider the production and environmental impact of our luminaires. They also facilitate removing components and increasing the standardisation of parts and the materials' separability once their working life is over.

The **Schréder Circle Light Label** designates products that are optimised for a circular economy without compromising on quality.

We assess our luminaires to evaluate their potential circularity through 12 objective criteria in 5 categories:

√ Performance

√ Maintenance

√ Refurbishment

√ Non-destructive disassembly

√ Recycling

SMART LABEL

The **Schréder Smart Label** allows installers and infrastructure managers to access essential luminaire information by scanning a QR code. It enables project specific details to be added during installation and facilitates communication between installers and city managers. Troubleshooting assistance and spare parts ordering are also available via the Smart Label, ensuring reliable information on luminaires, anytime, anywhere.

√ Provides instant access to luminaire information via QR code scanning (works online and offline)

√ Provides the ability to add key information during installation

√ Facilitates interaction between installers and city managers

√ Provides support for repairs and parts ordering

The **Schréder Circle Light App** is the practical tool for on-site programming and quick one-for-one driver replacement, to refurbish installed luminaires and extend their life while maintaining the desired operating mode.

It helps lighting operators and installers to:

√ Access all relevant luminaire information by scanning a QR code

√ Program luminaire settings on site and reduce inventory complexity

√ Capture asset installation data

√ View installed luminaires on a map interface

√ Read diagnostic information and operating history on site

√ Extend luminaire life while preserving existing settings

Easily upgrade your existing installations with the **Schréder CIRCLE LED BASE** retrofit kits, sustainable solutions that extend the life of your luminaires. They help you reduce waste, comply with light pollution regulations, minimise maintenance and save energy. With the CIRCLE LED BASE, you can meet the principles of a circular economy without the need for new wiring or changes to your existing lighting infrastructure.

√ **Easy to upgrade**: adapts to existing luminaire frames for LED conversion or replacement.

√ **Easy installation**: plug-and-play design for quick and convenient installation.

√ **Extended infrastructure life**: replace light sources for improved efficiency, preserving existing infrastructure.

√ **Enhanced performance**: superior features including glare control, flicker control, extended life, light pollution reduction and improved safety.

1
2
3
4
5

YOUR PARTNER IN SUSTAINABILITY

Solutions for maximised energy efficiency

CUSTOM FACTORY DRIVER SETTINGS

Intelligent luminaire drivers can be programmed in the factory with complex dimming profiles. The period between switching on and switching off is used to activate the **preset dimming profile**. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.

PERFORMANCE

100 %
80 %
60%
40 %
20 %

LIGHT OUTPUT

17   21   23   01   03   05   07   TIME
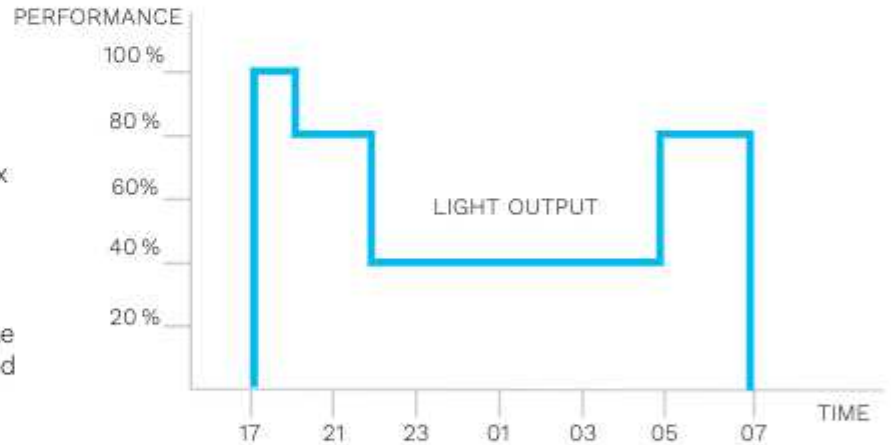
SENSORS FOR AUTONOMOUS DYNAMIC SCENARIOS
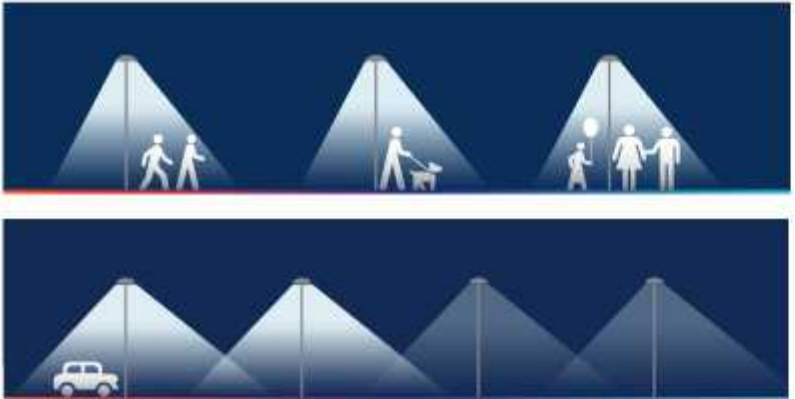
Photoelectric sensors switch on the luminaires exactly when natural light becomes insufficient (cloudy day, night fall, etc.) so as to provide safety and comfort in the public space.

In places with little nocturnal activity, lighting can be dimmed to a minimum most of the time. By using **motion sensors such as PIR sensors or radars** (taking into account speed and direction criteria), levels can be raised as soon as a pedestrian or a vehicle is detected in the area.

ADVANCED REMOTE CONTROL SYTEMS

With its user-friendly remote control systems for intelligent lighting, Schréder integrates advanced features for **programming the most efficient dimming profiles based on endless variables** (calendar days, special events, seasons, etc.) while providing safety, comfort and a sense of well-being for people.

Schréder can integrate smart lighting applications such as the ability to adapt the colour of the light or build dynamic lighting scenarios through PIR sensors or radars. As they offer **complete interoperability**, Schréder control systems can manage controllers/ sensors and control luminaires from other manufacturers.

Towards environmental excellence of the built environment

We encourage our customers to think strategically about sustainability, co-creating solutions that improve their performance against a wide variety of sustainability criteria. By drawing on our long experience in designing high-performance, low-energy spaces, we can deliver lighting solutions with all the necessary documentation to **help our customers achieve BREEAM certification**.

BREEAM (Building Research Establishment Environmental Assessment Method) is a certification based on the leading sustainability assessment method for buildings, communities and infrastructure projects.

Using Schréder solutions, up to 17 credits (counting for 6 of the 10 criteria considered) can be achieved in the BREEAM assessment.

More information:
www.breeam.com

Click for more information

Tackling climate change with renewable energy

SOLAR SYSTEMS TO DECARBONISE LIGHTING

With its solar-powered systems, Schréder helps cities and municipalities decarbonise their lighting. The combination of the best technology for harvesting, storing and releasing solar energy with the latest lighting concepts guarantees the best use of renewable energy in the fight against climate change.

SIGNIFICANT SAVINGS COMPARED TO GRID LIGHTING

LED-based solar street lighting solutions are becoming more accessible and cost-effective, driving their adoption in various regions. They provide cities and municipalities with various types of savings.

Energy savings
No electricity bills. Solar systems operate autonomously, using only renewable energy from the sun.

Installation savings
No need for electrical infrastructure. Installation costs are much lower than grid-connected lighting, especially in remote areas or areas with difficult terrain.

Maintenance savings
No reliance on power transmission or distribution infrastructure. There are fewer components to wear out or require maintenance. The solar panels are self-cleaning.

Environmental savings
No heavy infrastructure work to install. No greenhouse gas emissions or other environmental impact during operation.

A SUSTAINABLE SOLUTION FOR MANY APPLICATIONS

Solar lighting has become a credible alternative to grid-powered lighting for a wide range of typical outdoor applications: from roads to bike paths, car parks to campuses, recreational sports facilities to business facilities, solar lighting may be the best solution for your project!

SOLAR-ENABLED SCHRÉDER LUMINAIRES SETTING THE INDUSTRY STANDARD

The IZYLUM, TECEO GEN2 and CITEA NG2 ranges now have specific solar versions as part of the Schréder EKINOX powered by Sunna Design range. With up to 180 lm/W, these optimised solutions make the most of every available watt of solar energy to create safe and comfortable conditions for end users.

Click for more information

YOUR PARTNER IN SUSTAINABILITY

Being responsible for the community

The right light where, when and how it is needed

The art of smart lighting consists of putting the kind of light you request where you need it, and taking it away from where you don't require it and when you don't want it. Schréder is your partner for **maximising the advantages of lighting while taking care of the environment** and improving your operational benefit.

With our modern and versatile technologies enabling a "**Dim It, Aim It, Tone It, Change It**" philosophy, we offers our customers complete flexibility to modulate light according to any environmental challenge.

A guarantee of the best photometric solution

As pioneers in lighting technology, our lighting solutions deliver the right light in the right place.
We have developed **numerous photometric engines** over the years to provide **the best solution for every project** in terms of performance, comfort, desired outcome and return on investment. We constantly strive to innovate and develop solutions that are as positive for people as they are sustainable for the environment.

We combine our technical and photometrical know-how to **meet the most demanding lighting standards**.

	LENSO FLEX²	MID FLEX™	PRO FLEX™	CONTI FLEX™	BLAST FLEX™	RE FLEXO™
LED type	High-power 2mm²	Mid-power 2mm²	High-power 2mm²	High-power 2mm²	High-power 2 or 4mm²	High-power 2 or 4mm²
Optic	PMMA lenses	PMMA lenses	Polycarbonate lenses	PMMA lenses	PMMA collimators	Aluminium reflectors
Protector	Flat glass or deep protector	Flat glass	Lenses integrated in the PC protector	Flat glass	Flat glass or PC protector	Flat glass or PC protector
Options (depending on luminaire)	Back light control Glare limiter	–	Back light control	–	Back light control Glare limiter	–
Typical applications	All road, urban, tunnel applications and beyond	All road applications and beyond	All road applications and beyond	Continuous line lighting in tunnels	Floodlighting and large areas	Where very asymmetrical beams and visual comfort are both required
Number of optics	77	11	32	4	13	14

PureNight:
dark sky, bright ideas

PURE

With its PureNight concept based on high-end lighting designs with state-of-the-art photometrical platforms and aiming accessories, Schréder offers the ultimate solution for bringing the night sky back without switching off cities. With Schréder PureNight solutions, you can **direct the light only where it is wanted and needed**.

LIGHT REFLECTED BACK
DUE TO THICK CLOUDS

LIGHT REFLECTED
UPWARDS

LIGHT DIRECTED
UPWARDS

GLARE
ZONE

LIGHT TRESPASS

PURE

DIRECT
GLARE
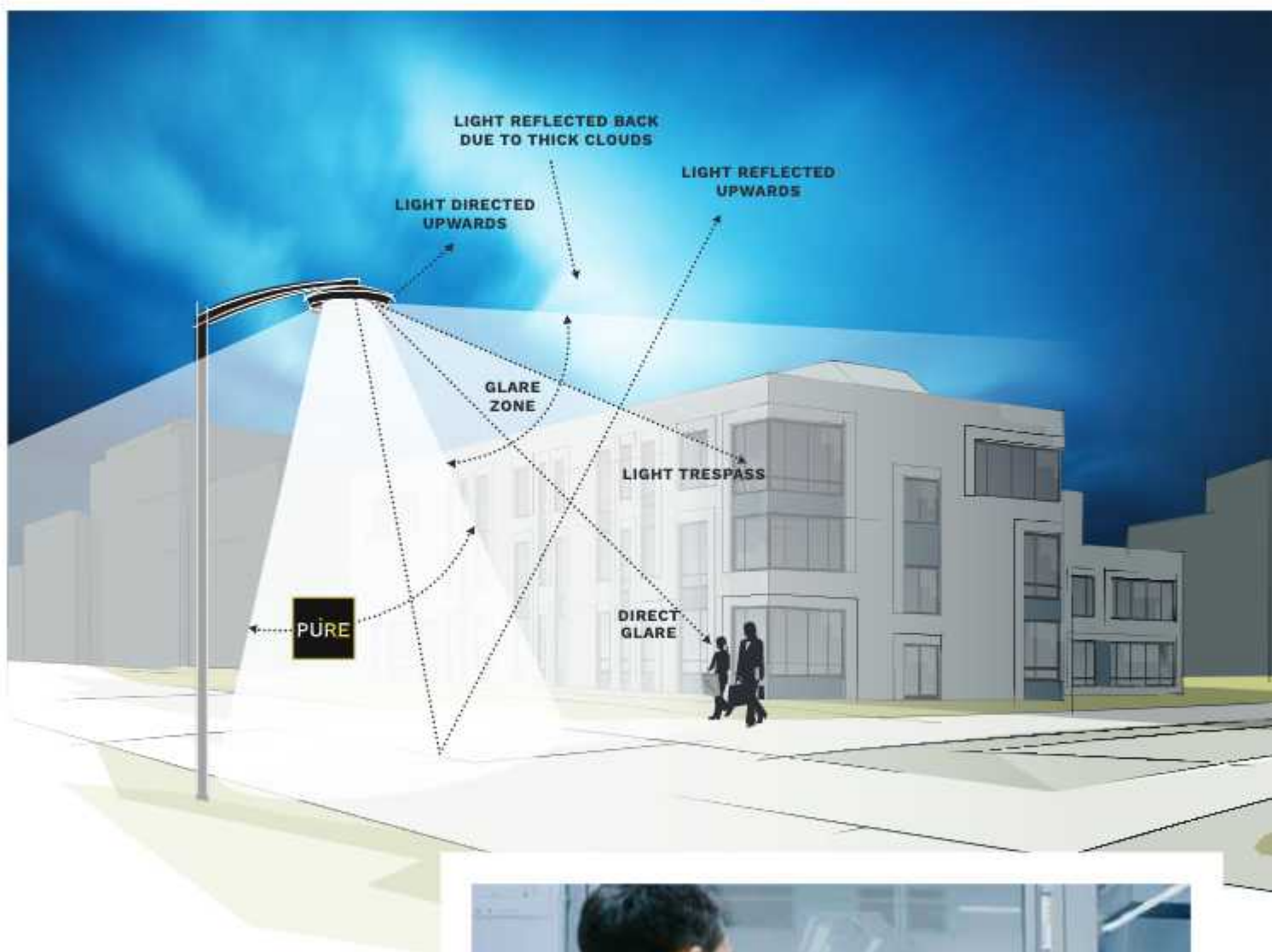
The right colour temperature at any time

FLEXI WHITE

To choose is to forsake. When it comes to deciding which colour temperature you will opt for, it is never a happy moment. You know that a colder white light optimises performance while a warmer one is more preferable to people and animal natural cycles. What if you didn't have to choose? The Schréder FlexiWhite solution offers you the freedom to use the right colour temperature at any time.

Whether it relies on pre-programmed scenarios, works with the our remote control systems, uses sensors or a mix of all three, the FlexiWhite solution offers you the flexibility to provide **the right level with the right colour temperature at the right place and the right time**.

CASE #1

Preservation of nature, promotion of active mobility

Environment: Bike/pedestrian path
FlexiWhite solution: Amber as default,
3000K upon detection.
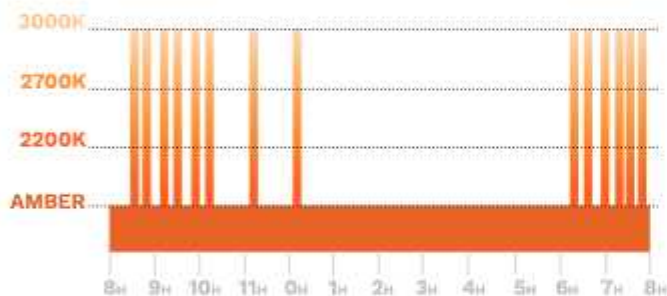
AMBER
Nature-friendly, minimal safety lighting
___

3000K
people detection, maximised safety and comfort (high visibility)
___

CASE #2

Attractiveness, ambiance and circadian rhythm

Environment: City centre
FlexiWhite solution: 2200K,
3000K and everything in between.
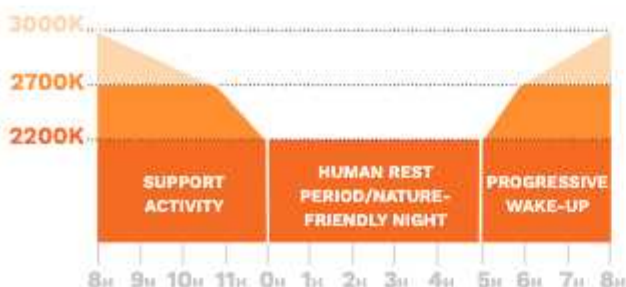
3000K – 30lux
Early evening/ early morning Stimulating atmosphere
___

2700K – 20lux
Evening/early night Quieter ambiance
___

2200K – 5lux
Night Completely calm mood
___

YOUR PARTNER IN SUSTAINABILITY

Complying with the strictest environmental regulations

Each country, if not each region, has its own environmental regulations. They can be more or less strict and focus on certain specific criteria. All of them are largely inspired by the **EU green public procurement policy** for road lighting, issued in 2019.

Regulation strives to:

- ✔ Limit ULOR to max. 1%;

- ✔ Reduce glare: at least 95% of the light emission is confined to angles below 14.5 degrees from the horizontal;

- ✔ Restrict the emission of blue light with CCT <3000K;

- ✔ Restrain the amount of light to less than $35lm/m^2$;

- ✔ Prohibit intrusive lighting towards dwellings and any kind of lighting of waterways and the sea.

The PureNight certification software developed by Schréder guarantees that **your lighting solution satisfies environmental laws and requirements**. Schréder has its own certified laboratory and is also endorsed by numerous independent certification bodies.

Preserving the ecosystem

Fauna and flora can suffer from high light intensity, the colour spectrum (blue light) and excessive lighting over time. **Only experts can minimise the disturbance to the different species of fish, insects and endangered animals**.

Trees and hedgerows are natural environments for bats, while rivers and canals are also important for foraging. Certain species of bat are very sensitive to light.

Light pollution, i.e. excessive lighting and uncontrolled light spill, contributes significantly to insect mortality.

The **Schréder PureNight photometry meets dark-sky specifications** (0% ULOR and 2200K) and take advantage of accessories (backlight control and glare limiter) to focus the light only where it is needed.

Schréder's FlexiWhite solution combines dimming and colour temperature changes according to fixed or on-demand scenarios with sensors for **safe and environmentally-friendly lighting**.

The IP66 design of our luminaires prevent insects from entering and being captured in the housing. With low driving current, the outer surface of the housing maintains a low temperature, preventing insects from dying from the heat.

With the right luminaire design, photometry, colour temperature and dimming scenario, Schréder protects wildlife and contributes to the preservation of the ecosystem.
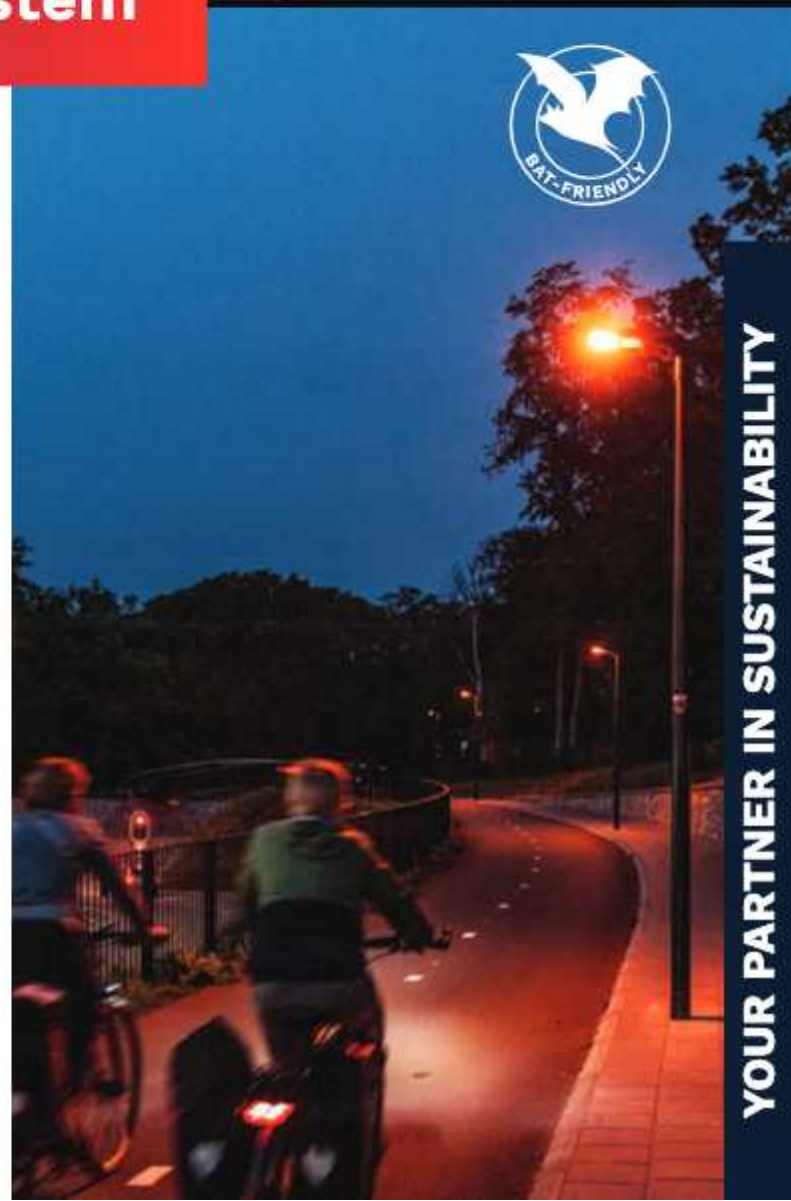
YOUR PARTNER IN SUSTAINABILITY

Supporting communities towards active mobility

SOLUTIONS FOR SAFE PEDESTRIAN CROSSINGS

Effective lighting for pedestrian crossings needs to do three things. Firstly, ensure the crossing is highly visible and distinguishable from the surrounding area. Next, it needs to give drivers clear visibility of pedestrians approaching and using the crossing. And finally, lighting should minimise glare for drivers.

Schréder has a long history of developing specific optics to light pedestrian crossings to **ensure safety for both motorists and pedestrians and help them share the public space** in a safer manner.

It comes down to providing a lighting solution that has a high vertical illuminance on pedestrians, so they are clearly visible from the driver's position, and horizontal illuminance on the pedestrian crossing for people crossing the road.

Of course, our solutions save energy, are sustainably manufactured and look aesthetically pleasing, as well.

Click for more information

Horizontal illuminance

Vertical illuminance
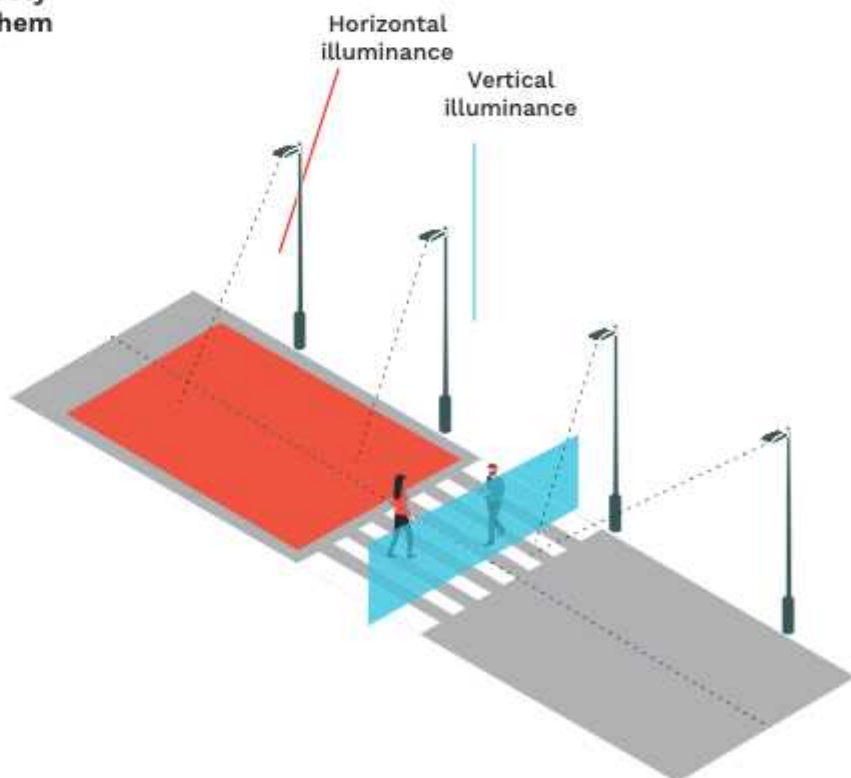
SMART LIGHTING, SMART BIKING

We are living in the age of the cycle revival. Electric bikes also are becoming more affordable, meaning that this trend is very likely to continue. But getting a bike is only part of the story: **safe, attractive routes and user-friendly infrastructure** play a huge role in encouraging people out of their cars.

When it comes to switching to cycling, feeling safe is just as important as being safe. Lighting plays a huge role in this, and it's something that we've quietly become experts in over the years at Schréder, helping cities from Rio to Budapest to not just accommodate, but actively encourage, cycling.

Our smart lighting solutions for bicycle paths ensure that we provide the right light at all times in the right places. They **minimise energy consumption, respect wildlife, facilitate network expansion, optimise maintenance operations** and asset management while offering the best user experience.

Click for more information

YOUR PARTNER IN SUSTAINABILITY
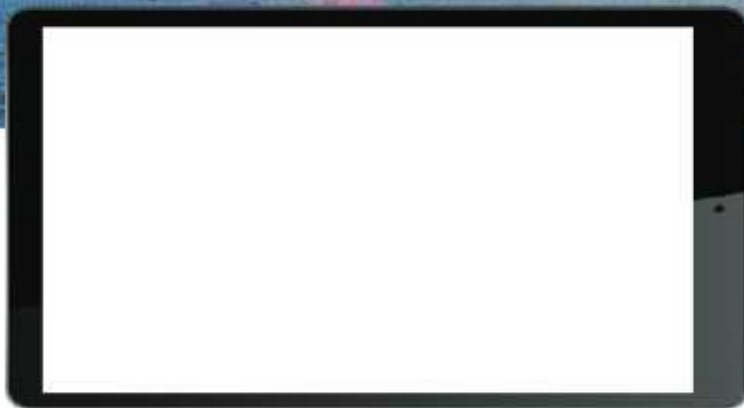
Being responsible with people

Valuing difference, being inclusive, and embracing diversity

At Schréder, every employee is valued for her or his skill set. We actively look for and choose employees based on their experience and the value they bring to the company. This concept is underlined in our **Code of Conduct**.

The diversity of the staff, in all its forms (skills, experience, age, gender, culture, etc.), is **a source of renewal, innovation and creativity**. In line with the UN's goals, we decided to focus our efforts primarily on gender diversity and equality, as this is still an ongoing concern in society as a whole.

Protecting human rights

Schréder has adopted the Responsible Business Alliance (RBA) Code of Conduct as its standard on human rights. Our goal is to **protect human rights directly and indirectly** by ensuring that Schréder's entities and their supply chain are safe and that workers are treated with respect and dignity.

We require all our suppliers to confirm adherence and compliance with the RBA standard.

More info: www.responsiblebusiness.org

Training and education

Schréder has developed its own internal training academy called SKILL, which stands for Sharing Knowledge in Light and Lighting. SKILL's mission is to **increase Schréder employees' and stakeholders' competencies to successfully face changes** in the lighting market such as smart lighting and new control systems. SKILL also develops e-learning and online courses, both for Schréder employees and customers.

YOUR PARTNER IN SUSTAINABILITY
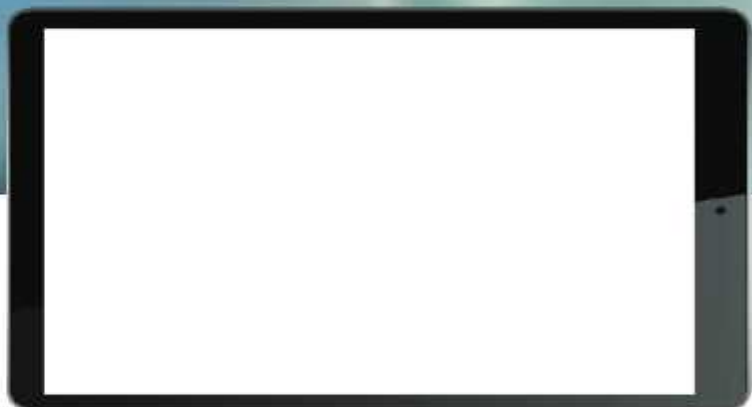
Creating your
custom solution

While our standard lighting solutions are engineered for performance and designed for customer satisfaction, we regularly receive requests for a bespoke touch or a more unique solution. Schréder STUDIO comes into play to deliver a bespoke solution that fulfils customer expectations and environmental specifications.

From stock... or not!

Customer feedback plays a critical role in our innovative design process and we are continuously extending and improving our ranges. Yet, sometimes, our customers face specific technical constraints.

Schréder STUDIO - our in-house custom design service - takes up the challenge, **engineering dedicated solutions** that match the same high quality as our standard luminaires.

Schréder STUDIO tweaks and optimises features **to meet our customers' own technical preferences**. These solutions, which meet specific individual requests, are designed to enable mass production, if needed.

Pairi Daiza - BELGIUM

Full-scope service

Our efficient, transparent process delivers **quality custom products** in a short time. It all starts with a feasibility study and a cost assessment.

The design phase explores every possible way of delivering the result. We work with multiple software packages to **provide the calculations and visuals to facilitate validation**. To ensure that the final product will meet expectations at every level, we use **rapid prototyping to test the functionalities**.

This allows stakeholders to explore the fine details while enabling us to propose improvements for the final design.

SCHRÉDER STUDIO

Bruges – BELGIUM

Bernheze – THE NETHERLANDS

Vienna – AUSTRIA

Paris – FRANCE

STUDIO

Customisation, retrofitting or re-creation

The expertise of Schréder STUDIO also includes retrofitting existing luminaires or the complete re-creation of heritage lanterns with modern and connected LED technology.

Whether customers are looking for lanterns for castle grounds, luminaires for an eastern style bazaar or a customised fixture, we can create **tailor-made solutions** to suit their specific needs.

With the support of our Kandeláber team in Hungary, we transform their ideas into reality, even if they are just based on a few sketches.

Put your thoughts on paper, send us your drawings or an old photo and we will **design and develop your concept**.
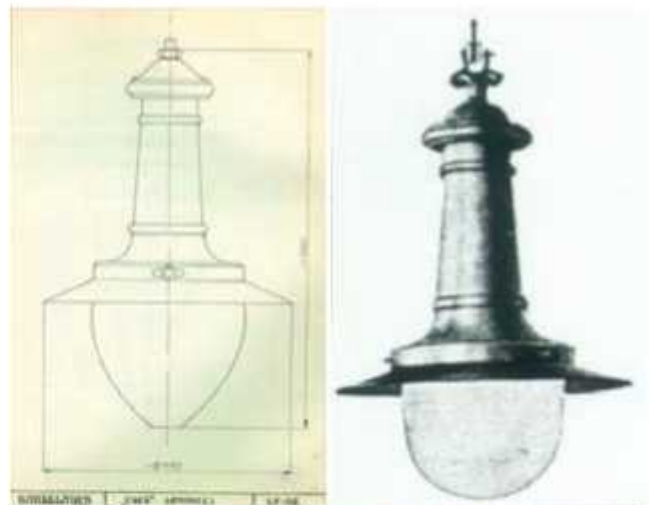
Budapest – HUNGARY

Schréder STUDIO adapts, retrofits or re-creates luminaires according to your technical preferences, with the same quality requirements we apply to our standard portfolio.

The opportunity
to be unique

While Schréder STUDIO is mainly about developing the bespoke luminaire that you need, Schréder SIGNATURE is more creative, delivering iconic solutions to light your city. Our team of experts can design a luminaire, lighting column or any other lighting structure to bring your ideas to life, reflecting your unique character and enhancing your space.

We work side by side with you, ideating and brainstorming to solve any complex challenges. We explore the different avenues and propose a number of different yet equally viable concepts.

We can advise not only on the aesthetic result but also on the choice of materials, mounting and cabling.

We provide different visuals to interact with our customers throughout the project.

By creating 3D models, we resolve the final mechanical details and can provide visuals of the luminaire in its future location.

With Schréder SIGNATURE, customers observe the fascinating evolution **from a simple drawing to their own wonderful and unique lighting solution**.

Lisburn – NORTHERN IRELAND

Schréder SIGNATURE delivers eye-catching lighting solutions that reflect your character and enhance your landscape.

SCHRÉDER SIGNATURE

Antwerp – BELGIUM

Bournemouth Pier Approach – UNITED KINGDOM

Vitré – FRANCE

Bangor – UNITED KINGDOM

Rennes – FRANCE

Mannheim – GERMANY

Lambeth – UNITED KINGDOM

London – UNITED KINGDOM

Cannes - FRANCE

Birmingham - UNITED KINGDOM

Lorient - FRANCE

Sign

Lyon - FRANCE
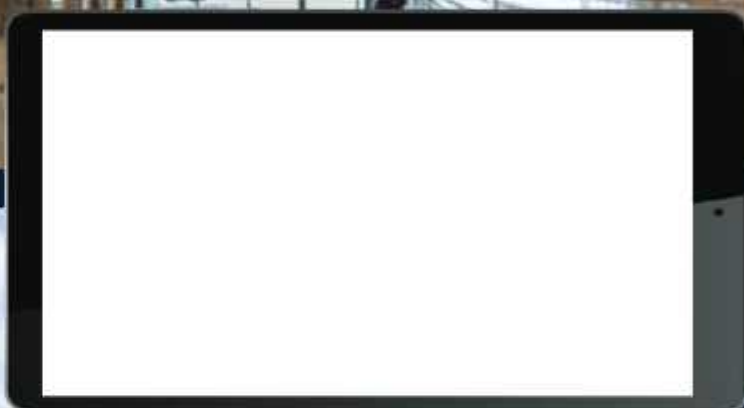
Nieuwpoort - BELGIUM

Click for more information

JANUS 2021
DE LA CITÉ

VisioLum 3D

VisioLum AR

Experience your lighting solution
before implementing it

Visualisation and immersive technology bring value to every project. Innovative tools such as augmented reality are enablers for the experience of design and bringing solutions to life vividly, with a sense of scale and presence. Put the Schréder VisioLum applications in your pocket and enter a new dimension!

With the Schréder VisioLum 3D and AR mobile applications, try out your own lighting solution in the most effective, easiest and fun way possible.

VisioLum 3D: evaluate, configure and visualise

Schréder VisioLum 3D lets architects, lighting designers and town planners **easily and quickly customise their own luminaire** by testing out all the different designs, finishes and accessories.
They can then combine the luminaire with a bracket and pole to discover how their own unique lighting solution could enhance their town or city both by day and by night.

With an intuitive interface, you can explore endless possibilities to **find the ideal solution with no need for mock-ups and 3D renderings**, which can take up a lot of time. You can zoom in and out and do a complete 360° turn to visualise the ensemble from all points of view.

The App also enables you to save your choices and download the 3D files or a PDF with a summary of the configurations to share with colleagues and potential customers.

The Schréder VisioLum 3D application is constantly expanding the possibilities with new products for ever more personalised solutions.

VisioLum AR: immerse yourself in reality 2.0

Augmented reality **helps people view designs in context at very early stages** – allowing the architect, contractor and customer to have the same spatial understanding of the environment.

With Schréder VisioLum AR, you can **integrate a customised solution from VisioLum 3D into an urban environment** and then duplicate the number of lighting ensembles to see the overall effect, both in day or night views.

VISIOLUM

SMART & CONNECTED

66 **Solutions providing benefits beyond lighting** 99

Schréder

"Schréder Hyperion builds on Schréder's century-long experience, knowledge and engineering to support cities with a specialised portfolio of relevant smart city solutions.

In addition, Schréder Hyperion works with partners across the world, to complement today's products and create additional opportunities for cities."

NICOLAS KEUTGEN
Chief Innovation Officer at Schréder

Schréder
HYPERION

Innovation and inspiration
for smarter cities

**With Schréder Hyperion,
Schréder is shaping the evolution of smart cities.**

More than 80 experts in cloud computing, cybersecurity, machine learning, IoT and data analysis are working closely with customers to unlock the potential of urban infrastructures to address significant society challenges.

Located at the Nova School of Business and Economics (Nova SBE) in Carcavelos (Lisbon region), a brand new university campus, Schréder Hyperion aims to plan urban spaces, repurpose existing infrastructure and develop luminaire-based digital systems.

Schréder Hyperion provides practical information, training and solutions, to facilitate the transition to smarter and more sustainable cities.

This centre of excellence is strategically based in the Lisbon area to take full advantage

of the strong tech talent. The city boasts a remarkably high number of qualified engineers per capita and so Schréder Hyperion seeks to leverage the thriving international tech ecosystem through collaboration and the implementation of research initiatives.

Schréder **smart** and **connected solutions**

+15	+600,000	+3,000	4th
years of experience	connected light points	projects	generation
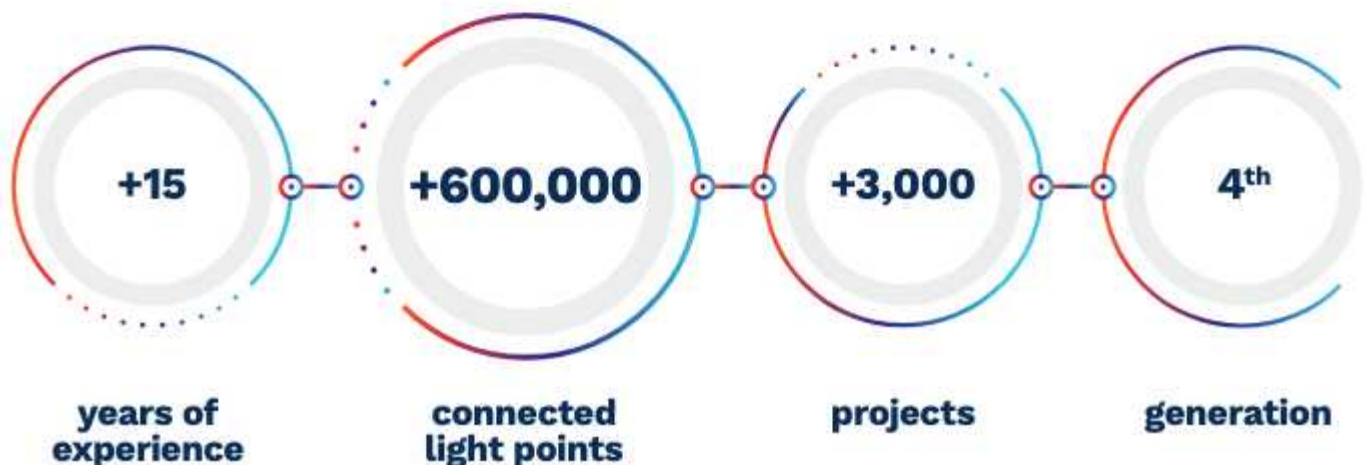
EXEDRA

Your city
as smart
as you want

Schréder EXEDRA is the most advanced lighting management system on the market for controlling, monitoring and analysing streetlights in a user-friendly way. It is the right tool for aligning value with short- and mid-term targets while sustaining a long-term vision.
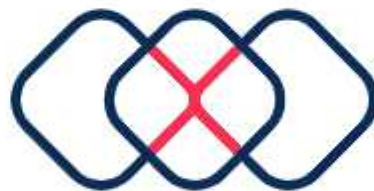
EXEDRA

KEY ADVANTAGES

> **Remote control to maximise energy/maintenance savings while providing the right light to keep people safe and comfortable at any time in outdoor environments**

> **Technology-agnostic platform: shared and open technologies to unlock complete interoperability**

> **Plug-and-play solution**

> **Intuitive and comprehensive City Management System for smart device management**

> **Fully customisable user interface with personalised dashboards**

> **Data collection, aggregation and analysis for decision-making based on practical visualisation and reports**

THE SKY IS THE LIMIT

With EXEDRA, Schréder has developed **a futureproof platform** that combines the constant need to address new challenges and to evolve with technology. Schréder relies on open standards and protocols to design an architecture able to interact seamlessly with third-party software and hardware solutions.

AT THE TOP OF YOUR GAME

Schréder EXEDRA includes **all the advanced features needed** for smart device management, real-time and scheduled control, dynamic and automated lighting scenarios, maintenance and field operation planning, energy consumption management and third-party connected hardware integration.

SIMPLICITY, THE ULTIMATE SOPHISTICATION

Schréder EXEDRA is **a plug-and-play solution** that enables quick and easy deployment of a connected lighting network. An intelligent **automated commissioning** process recognises, verifies and retrieves luminaire data in the user interface.

GREAT INSIGHTS, GREAT DECISIONS

Data is gold. Schréder EXEDRA provides this with all the clarity managers need to drive decisions. The platform collects massive amounts of data from terminal devices and aggregates, analyses and intuitively displays them to **help end-users take the right actions**.

PROTECTED ON EVERY SIDE

Schréder EXEDRA provides **state-of-the-art data security** with encryption, hashing, tokenisation, and key management practices that protect data across the whole system and its associated services.

ISO 27001
BUREAU VERITAS
Certification

SMART & CONNECTED

Standardisation
to enable custom
IoT solutions

The Schréder EXEDRA system architecture is designed to interact with other software and hardware solutions seamlessly. How is this possible? Unlike proprietary systems that prevent interoperability and generate vendor lock-in or expensive proprietary integrations, Schréder EXEDRA is **a complete solution based on open standards and protocols.**

Schréder plays a key role in driving standardisation with alliances and partners such as uCIFI, TalQ or D4i. Our joint commitment is to provide **solutions designed for vertical and horizontal IoT integration**. From the body (hardware) to the language (data model) and the intelligence (algorithms), the complete Schréder EXEDRA system relies on shared and open technologies.

This interoperable platform ensures that customers can connect existing or third-party systems/ devices to Schréder EXEDRA and even means that we are open to working with our competitors.
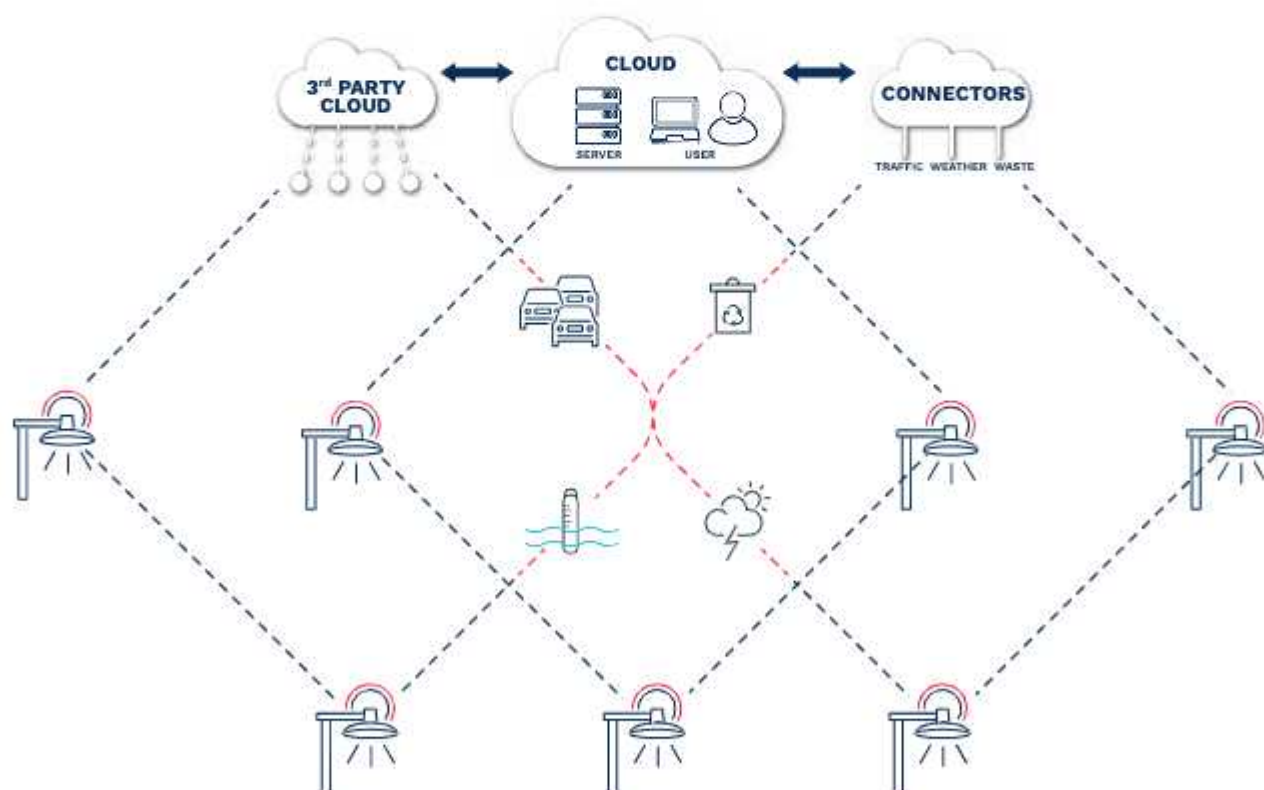
EXEDRA

Our **ecosystem partners**
for technology-agnostic solutions

The end of proprietary wireless communication networks for smart cities and utilities

The uCIFI Alliance is open to any industrial company, consulting firm, end customer, public authority, utility and other entity, that is committed to developing open, non-proprietary solutions to unlock the smart city and smart energy markets.

www.ucifi.com

The global smart city protocol

The TALQ Consortium aims to define a globally accepted smart city protocol for central management software, to configure, control, command and monitor heterogeneous smart city device networks.

www.talq-consortium.org

Interoperability of luminaires, sensors and/or communication nodes

The Zhaga consortium joined forces with the DiiA to produce a single Zhaga-D4i certification that covers all the critical features including mechanical fit, digital communication, data reporting and power requirements within a single luminaire, ensuring plug-and-play interoperability of luminaires (drivers) and peripherals such as connectivity nodes.

www.zhagastandard.org

Open, flexible and secure cloud computing services

Microsoft Azure is an ever-expanding set of cloud services provided with the highest levels of trust, transparency, standards conformance and regulatory compliance. Microsoft Azure offers the freedom to build, manage, and deploy applications on a massive, global network using customers' favourite tools and frameworks.

www.azure.microsoft.com

SMART & CONNECTED

FULLY CONFIGURABLE DASHBOARD

Customise your working environment: add, move, resize and organise widgets for each and every stakeholder's personal dashboard.

INTEGRATED INVENTORY AND DEVICE MANAGEMENT

Retrieve, create, edit or delete luminaires, cabinet controllers, meters, electric cables, sensors and more.

DEVICE STATUS AND REAL-TIME INSIGHT/CONTROL

Stay connected to your network. Navigate on a map view to check key performance indicators and device statuses, and manage them when needed.

LIGHTING SCHEDULES

Program your lighting. Create and edit your dimming profiles based on endless variables (calendar days, special occasions, season, etc.). Assign these rules to configurable groups of luminaires.

DYNAMIC LIGHTING

Maximise your benefits by associating sensors with groups of luminaires to trigger pre-defined lighting scenarios.

REPORTS, ALARMS AND DATA ANALYTICS

Anticipate and react in real time. Configure warning messages, get useful insights using the reports. Take advantage of aggregated data to make informed decisions.

ENERGY CONSUMPTION MANAGEMENT

Keep bills under control. Monitor, meter, compare. Schréder EXEDRA provides all the relevant features to help you improve energy efficiency.

TICKETING SYSTEM

Organise field operations through a fully integrated ticketing system that will help you optimise your asset management and maintenance.

AUTOMATION

Take advantage of the Schréder EXEDRA automation centre to easily customise advanced sequences of automated actions based on the conditions and rules you have defined.

USER MANAGEMENT

Distribute roles and rights to all project stakeholders according to their missions and responsibilities.

MULTI-TENANT

Configure and manage different zones independently. Thanks to Schréder EXEDRA multi-tenant architecture, contractors, utilities or big cities are able to segregate areas.

APPLICATION SOLUTION

Connect different types of hardware from various manufacturers to the EXEDRA UI. This applies to both light control and other applications: environmental monitoring, smart water, smart grid, smart parking, smart waste and more.

Click for more information

Anytime, anywhere, connect to your street lighting with the
Schréder EXEDRA App

The Schréder EXEDRA
mobile application offers the essential functionalities of the desktop platform, to accompany all types of operator on site in their daily effort to maximise the potential of connected lighting.

> **Commission your connected luminaires quickly and easily**

> **Search for any connected luminaire, using geolocation, a unique ID or a QR code**

> **Manage your assets (add/edit any critical information in the database)**

> **Perform a test procedure to check any connected luminaire**

> **Set alarms, create tickets and assign them to maintenance operators**

> **Control and adjust your luminaires in real time**

Schréder EXEDRA LightSync: continuous adjustment of lighting levels to actual conditions

Schréder EXEDRA LightSync is an innovative service offered by the Schréder EXEDRA platform. It uses real-time data to continuously adjust the lighting level of a group of luminaires based on local traffic and weather conditions. With Schréder EXEDRA LightSync, cities can achieve the perfect balance between the safety and well-being of citizens, convenience and the sustainable use of outdoor lighting infrastructure.

Schréder EXEDRA LightSync uses georeferencing to collect environmental data and analyses factors such as traffic and weather via the Schréder EXEDRA platform. This information is used to calculate the appropriate lighting level and control commands are sent to all the luminaires in the group. The system retrieves updated data up to every 15 minutes, ensuring a rapid response to changes in the environment. If data is unavailable, the lighting level reverts to the pre-defined control program until data becomes available.

Skip the hardware
Stop worrying about events
Forget calendars
Just sync!

> **Optimised energy savings**
Schréder EXEDRA LightSync helps street lighting operators achieve a better balance between reducing light levels to save energy and ensuring the safety and well-being of road users.

> **Enhanced convenience**
The appropriate dimming profile and calendar are set once, as the service automatically adapts to surrounding events. This eliminates the need for managing multiple calendars for different situations.

> **Integration with third-party platforms**
The service leverages traffic and weather data from third-party platforms, eliminating the need for additional specific sensors in remote locations.

> **Lower dimming levels**
With the ability to automatically restore high lighting levels when the density of users increases, Schréder EXEDRA LightSync enables cities to operate at lower dimming levels than traditional profiles/calendars allow.

Pulls information from available data sources or types

Traffic
Weather
Noise
People
Statistics
Geodata

Computes the adequate lighting level

Traffic
Weather

EXEDRA
LightSync

Statistics
Geodata

Adapts the lighting accordingly

Collect, monitor, generate insights, process and adapt

SMART & CONNECTED

OWLET IV:
the state-of-the-art wireless controllers designed for EXEDRA

OWLET IV luminaire controllers operate Schréder's luminaires and luminaires from third parties. They offer easy installation and have fast plug-and-play commissioning. OWLET IV controllers use both cellular and mesh radio networks, **optimising geographical coverage and redundancy for continuous operation**. DATALIFTs use mesh network to aggregate information from a cluster of MESHNODEs, and forward this on to the IoT platform using cellular connectivity. Among other features, OWLET IV controllers use advanced cybersecurity mechanisms to protect the deployment in the city and provide accurate power outage information to the city's streetlight managers. OWLET IV controllers are managed with EXEDRA, Schréder's advanced smart lighting management platform.

Connected with

EXEDRA
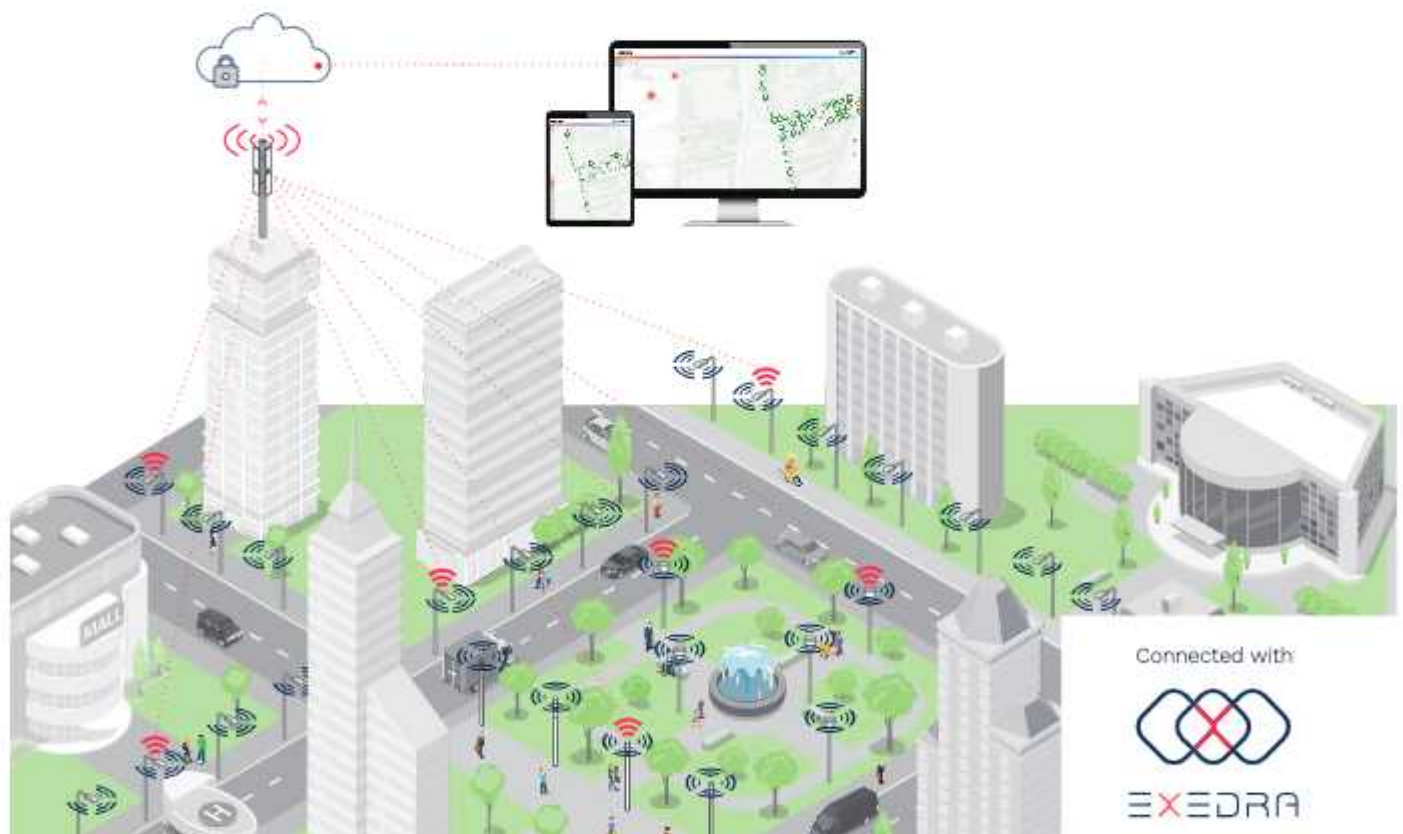
FEATURES

> **Hybrid architecture: local mesh (MESHNODEs and DATALIFTs) and cellular communication (DATALIFTs)**

> **Gateway-less hybrid network architecture using WI-SUN mesh network & cellular connectivity**

> **Built-in GPS and built-in photocell to control each luminaire based on local ambient light level**

> **Embedded self-test capability to check installation**

> **Offers responsive light-on-demand use cases triggered by local sensors**

> **Over-the-Air (OTA) firmware update**

> **End-to-end encrypted communication**

OWLET IV N

NEMA

MESHNODE N

DATALIFT N
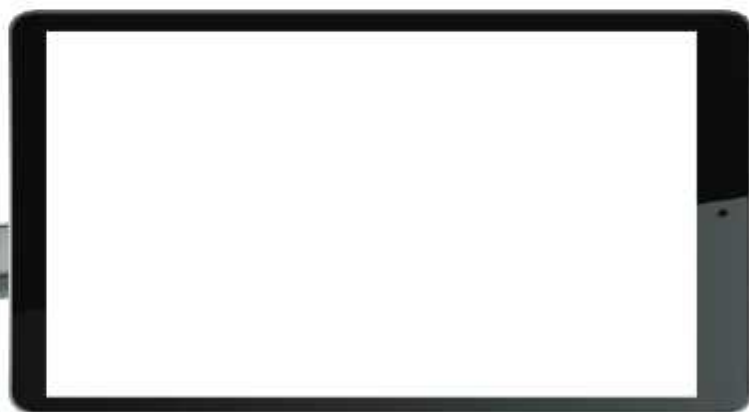
OWLET IV Z

ZD⁴

DATALIFT Z

MESHNODE Z

SMART & CONNECTED

Future-proofing
the investment

Schréder EXEDRA unifies the lighting network thanks to its ability to control nodes plugged into Zhaga/NEMA sockets and luminaires from multiple manufacturers. With an API, EXEDRA can interact with third-party asset management systems to merge the whole scheme into a unique, modern, insightful and user-friendly platform.

Backing
the city branding

Schréder EXEDRA not only provides real-time monitoring of connected urban assets such as luminaires, litter bins or public WiFi. Thanks to its automation centre, you can define conditional rules, set up alarms and automate ticketing to optimise on-site maintenance operations.

All IoT devices using the same open standards for data and communication can seamlessly integrate into the platform. And, of course, in these iconic places, lighting can be adapted according to specific schedules to support special events.

Maximising
both savings and safety

Schréder EXEDRA enables the creation of lighting scenarios including the most efficient dimming profiles and light-on-demand features based on sensor detection. The selection of sensor(s) to which the luminaires react and the associated configuration parameters (i.e. trigger activation delay, hold time) are easily assigned to luminaire controllers. The detection events generate useful data for decision-making regarding future investments and priorities.

Protecting
wildlife

Schréder EXEDRA provides a flexible control solution that enables the creation of various clusters of luminaires programmed with specific scenarios for dimming and colour temperature changes.
On installation, the system imports all information related to the luminaire configurations chosen after a careful lighting study. This asset inventory feature enables the implementation of solutions optimised from a design and control point of view.

It's time to
SHUFFLE
your world!
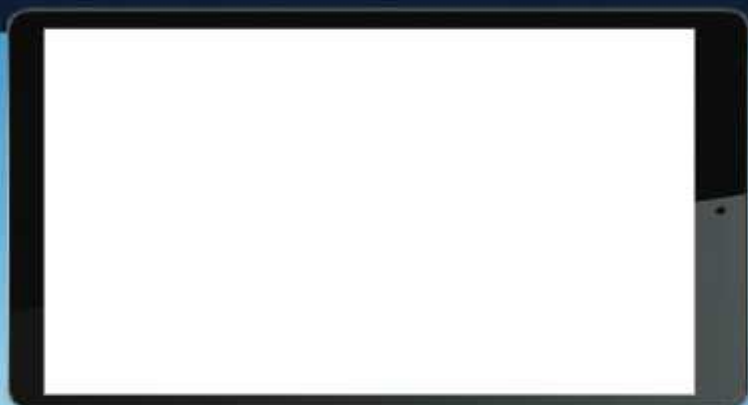
SHUFFLE

Decluttering cities on their journey to becoming smart

The SHUFFLE smart column is a connected, modular approach to city hardware. With plug-and-play rotatable modules that contain pre-certified hardware, it can be configured to suit your specific needs.

Redesign. Reorganisie. Improve Combine. Do these all at once with SHUFFLE, an integrated concept with unlimited opportunities to **bring the experience to a new level** in cities and venues. Information, identity, safety, communication, entertainment, mobility and much more. All your various features can be gathered elegantly into **one integrated platform**. Not set in stone, but with versatility and ready for future evolutions. You can create your personalised SHUFFLE by associating **up to 5 modules per column**, or pick one of our preconfigured variants.

KEY ADVANTAGES

> Seamless integration of urban hardware in a refined column

> Personalised combinations: up to 5 modules per column

> Preconfigured versions: Campus, SOS, Security, Light and Mobility

> Total versatility with 360° rotatable modules

> Patented system for easy installation

> Upgradable: modules can be added or replaced after installation

> Fully connected platform

Leading with **non-stop innovation**

SHUFFLE was launched in 2015, and many enthusiastic customers who set out to shed extra light on their vibrant urban living spaces have installed it. And they went **beyond simple outdoor lighting.** They took the opportunity offered by this platform to bring new services into their environments, such as WiFi, surveillance cameras, loudspeakers, emergency buttons and EV chargers.

Just a year after its launch, SHUFFLE was awarded `**Product of the Year 2016**` by the Highway Electrical Association (HEA) in the UK. A little while later, in 2017, SHUFFLE received the `**Smart City Award**` in London for its technology with great potential for smart cities. In 2020, Schréder made SHUFFLE independent from physical wiring for lightning-speed connectivity, creating the first wireless smart column. This spirit of constant innovation combined with exquisite design, attention to detail and a deep understanding of customer needs has positioned SHUFFLE as a benchmark in the market. Since their launch, SHUFFLE columns have delighted cities and private companies in **more than 35 countries** worldwide.

2015 — Schréder launches **SHUFFLE**, the first smart column on the market

2016 — SHUFFLE is crowned **'Product of the Year'** by the HEA (UK)

2017 — SHUFFLE wins the **Smart City Award** in London

2018 — Launch of **SHUFFLE Site** at Mobile World Congress, an integrated approach to 4G/5G small cells

2020 — Schréder innovates again with the **SHUFFLE Wireless backhaul**, the first 100% wireless smart column

2022 — New lighting modules with up to **58% more luminous flux** to meet the needs of a broader range of applications

SMART & CONNECTED

SHUFFLE **SOS**

THE CITIZENS' GUARDIAN ANGEL

SHUFFLE SOS offers the perfect solution for helping people and emergency services in critical situations. With one simple push of a button, citizens can quickly get in touch with the emergency services if they witness an incident or are the victim of an accident.

Using a voice-over IP intercom, people can explain the problem and **receive proper assistance**. The embedded cameras enable call centres to take the right actions thanks to a real-time video feed. The strobe light and horn, which can be triggered remotely, make sure that the emergency signal is seen and heard by bystanders in the area. They also **guide the emergency crew** to the exact location of the incident.

With SHUFFLE SOS, people never feel alone in a city. They receive the support they expect in the shortest possible time. Emergency services are able to react accordingly and cover a larger area, optimising their resources.

Click for more information

	SHUFFLE SOS BASIC	SHUFFLE SOS CORE	SHUFFLE SOS ACTIVE
Pole height	4370mm | 14.34'	4370mm | 14.34'	4370mm | 14.34'
Control node	Yes	Yes	Yes
Module (top)	360° Lighting with strobe (SH36L2-HL)	360° Lighting with strobe (SH36L2-HL)	360° Lighting with strobe (SH36L2-HL)
Module 2	Horn (SH18S2-HN)	Camera without extra PC protector (SH18C2-JH)	Red light ring (SHLR2-RE)
Module 3	-	Horn (SH18S2-HN)	Quadview (SHCQV)
Module 4	-	-	Horn (SH18S2-HN)
Integrated in pole	Intercom (SHPOIC2-GH)	Intercom with camera (SHPOIC2-GI)	Intercom with camera (SHPOIC2-GI)

BASIC

CORE

ACTIVE

SHUFFLE **CAMPUS**
CREATING PLACES PEOPLE LOVE TO BE IN

SHUFFLE Campus is the right tool for ambitious companies, institutions, public services and cities wanting to offer a high-quality experience to their workers, customers, residents, citizens or visitors.

It is designed to provide multiple services, aesthetically and efficiently, to **business facilities, condominiums, academic, medical or sport complexes, parks, shopping malls or transport infrastructures** such as airports and train or bus stations. SHUFFLE Campus creates **safe**, **pleasant places, connecting people** to the internet, informing and entertaining them, while keeping an elegant and discreet presence that blends into any environment.
SHUFFLE Campus is **a great asset for placemaking** as it strengthens the connection between people and the urban environment with a minimal footprint.

Click for more information

	SHUFFLE CAMPUS BASIC	SHUFFLE CAMPUS CORE	SHUFFLE CAMPUS ACTIVE
Pole height	4370mm | 14.34'	4370mm | 14.34'	4370mm | 14.34'
Control node	Yes	Yes	Yes
Module (top)	360° Lighting with WLAN (SH36LW2-CS/CX)	360° Lighting with WLAN (SH36LW2-JT)	360° Lighting with WLAN (SH36LW2-JT)
Module 2	–	Blue light ring (SHLR2-BL)	Blue light ring (SHLR2-BL)
Module 3	–	Analogue speaker (SH18S2-CP)	Quadview (SHCQV)
Module 4	–	–	Analogue speaker (SH18S2-CP)
Integrated in pole	PIR sensor (C0)	PIR sensor (C0)	PIR sensor (C0) Power sockets (SHPOLE2-G8)

BASIC

CORE

ACTIVE

SMART & CONNECTED

SHUFFLE **SECURITY**

BUILDING CONFIDENCE IN OUTDOOR AREAS

Feeling secure is a basic human right. Your residents and visitors want to feel safe at all times. SHUFFLE Security delivers a strategic breakthrough to address this challenge with advanced lighting and security features.

It is designed to **create safe and pleasant outdoor areas**: tourist sites, parks and squares, outdoor spaces around public and private buildings (embassies, ministry buildings, banks, hospitals, schools, etc.), metro, bus or train stations, car parks and sports or leisure venues. SHUFFLE Security provides a monitoring system that enables bidirectional communication: from authorities to citizens or security companies to people in the environment, and vice versa, from end users to public/ property managers.

SHUFFLE Security improves confidence in using outdoor environments. It encourages people to socialise, to contribute to the local economy and to develop a true sense of community.

Click for more information

	SHUFFLE SECURITY BASIC	SHUFFLE SECURITY CORE	SHUFFLE SECURITY ACTIVE
Pole height	4370mm | 14.34'	4370mm | 14.34'	4370mm | 14.34'
Control node	Yes	Yes	Yes
Module (top)	360° Lighting (SH36L2)	360° Lighting (SH36L2)	360° Lighting (SH36L2)
Module 2	Camera without extra PC protector (SH18C2-JH)	Quadview (SHCQV)	Universal camera bracket (SHCBR)
Module 3	-	Analogue speaker (SH18S2-CP)	Camera without extra PC protector (SH18C2-JH)
Module 4	-	-	Analogue speaker (SH18S2-CP)
Integrated in pole	-	-	Intercom (SHPOIC2-GH)

BASIC   CORE   ACTIVE

SHUFFLE **MOBILITY**
MOVING TOWARDS NET ZERO

SHUFFLE Mobility is designed to charge electric vehicles and protect them from vandals. It can be installed in streets where it is difficult to establish infrastructure for electric vehicle charging.

SHUFFLE Mobility not only provides a charging solution for electric vehicles, it ensures **an outstanding experience for EV drivers** by helping them to find vacant chargers, by ensuring a high level of security for them and their car and by offering the best lighting solution at night.

Click for more information

	SHUFFLE MOBILITY BASIC	SHUFFLE MOBILITY CORE	SHUFFLE MOBILITY ACTIVE
Pole height	4370mm | 14.34'	4370mm | 14.34'	4370mm | 14.34'
Control node	No	Yes	Yes
Module (top)	Blue/green light ring (SHLR2-BL/GR)	360° Lighting (SH36L2)	360° Lighting (SH36L2)
Module 2	–	Green/blue light ring (SHLR2-GR/FK)	Green/blue light ring (SHLR2-GR/FK)
Module 3	–	–	180° Lighting Spot (SH18L)
Module 4	–	–	Camera without extra PC protector (SH18C2-JH)
Integrated in pole	EV charger 11kW (SHPOEV)	EV charger 11kW (SHPOEV)	EV charger 11kW (SHPOEV)

BASIC

CORE

ACTIVE

SHUFFLE **LIGHT**

FOR ENDLESS CHALLENGES

SHUFFLE Light is designed to meet the various lighting needs of an area with elegance and high energy efficiency. Its aesthetic design integrates various lighting modules (360°, spot and light ring) with smart control features for dimming and light-on-demand scenarios.

The SHUFFLE Light smart column can be installed in any location where its versatility, connectivity and simplicity create additional value beyond basic lighting.
Designed to light roads, streets, squares and other places where creating a pleasant atmosphere is a key element, SHUFFLE Light benefits from **a wide range of photometries** and provides aesthetic consistency for various urban environments. It offers the perfect tool for placemaking as it frees up space that can then be used to enhance the urban experience and promote people's health, happiness and well-being.

Click for more information

	SHUFFLE LIGHT BASIC	SHUFFLE LIGHT CORE	SHUFFLE LIGHT ACTIVE
Pole height	4370mm | 14.34'	4370mm | 14.34'	4370mm | 14.34'
Control node	Yes	Yes	Yes
Module (top)	360° Lighting (SH36L2)	360° Lighting (SH36L2)	360° Lighting (SH36L2)
Module 2	-	180° Lighting Spot (SH18L)	Blue light ring (SHLR2-BL)
Module 3	-	-	180° Lighting Spot (SH18L)
Integrated in pole	-	-	PIR sensor (C0)

BASIC

CORE

ACTIVE
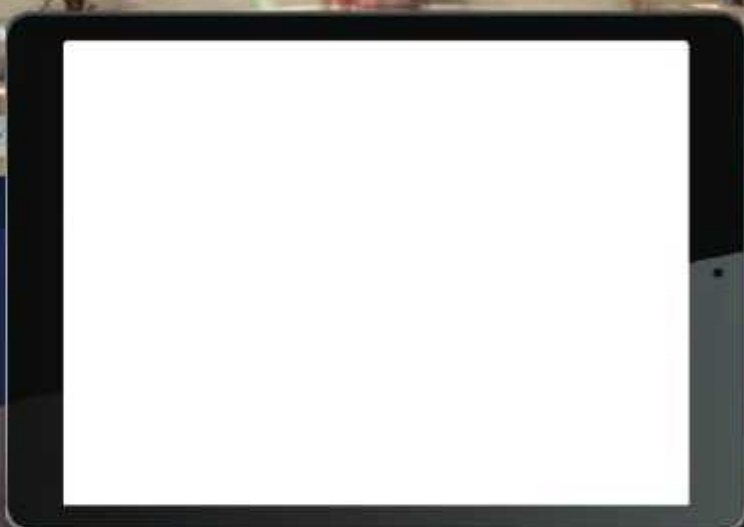
WLAN

	WLAN (SH18W2-CS)	WLAN (SH36LW2-CS/ SH36LW2-CX)	WLAN (SH36LW2-JT)	WLAN (SH36LW2-FO/ SH36LW2-FV)
WiFi coverage	★ ☆ ☆	★ ☆ ☆	★ ★ ☆	★ ★ ★
WiFi throughput	★ ☆ ☆	★ ☆ ☆	★ ★ ☆	★ ★ ★
Ethernet throughput	★ ☆ ☆	★ ☆ ☆	★ ★ ★	★ ★ ★
Mesh	No	No	Yes	Yes
Powered by PoE	No	No	Yes	Yes
Client capacity	NA	NA	250 per AP	512 per AP
Maximum transmission power	20dBm	20dBm	20dBm	26dBm
Wi-Fi 6	No	No	No	Yes
Management platform	No	No	Yes	Yes

Professional and secure wireless network

- Available in a 360° lighting module or in a dedicated module
- Multiple concurrent users per access point
- Stable connections at higher data rates
- Divisible bandwidth: e.g. to assign a dedicated part to city operators and a restricted bandwidth for the general public
- Unmatched scalability, cloud or locally managed

4G/5G

Providing 4G/5G capacity and coverage

- High-speed mobile connection
- Blends into the urban environment
- Easy site acquisition for mobile operators
- Range of up to 100m
- Upgradable antenna can be added later, when additional capacity is needed
- The operator installs and owns the telecom equipment
- Easy access for maintenance
- Waterproof IP material
- Upgradable base module can be equipped for 5G networks

4G/5G antenna (SH18A-GD)

Side cabinet (SHSC-HA)

WIRELESS BACKHAUL 📶
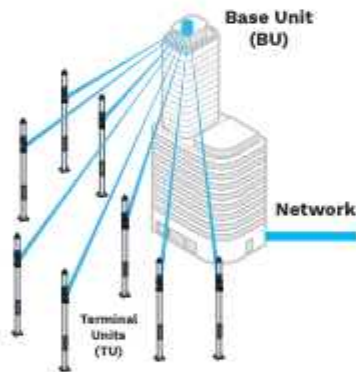

Base Unit
(SH18WB2-JN)

Terminal Unit
(SH18WB2-JM)

Wireless fibre communication network for smart city applications

- Wireless extended fibre connections to and from a pole
- The speed of fibre (up to 2.3Gbps), the flexibility of wireless
- Easy street level deployment
- Reliable, virtually interference-free operation
- Connect up to 8 SHUFFLEs from one Base Unit
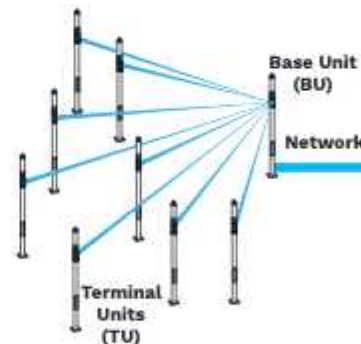- 400m auto-aligned range
- AES encryption
- Integrated managed PoE switch
- Operates in 60GHz V band

1 Building to SHUFFLE (star mode)

The Base Unit is mounted outdoors, on the side of a building or on a rooftop. It connects to 8 SHUFFLEs (Terminal Units) installed within a range of 400 metres max.

### 2 SHUFFLE to SHUFFLEs (star mode)

The Base Unit is integrated into a SHUFFLE. This connects to 8 SHUFFLEs (Terminal Units) installed within a range of 400 metres max.

3 Building to SHUFFLE (linear mode)
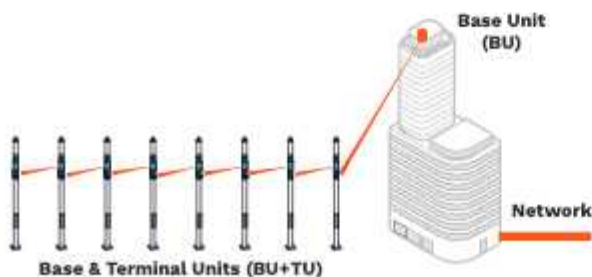
The Base Unit is mounted outdoors, on the side of a building or on a rooftop. It connects to one SHUFFLE (Base and Terminal Units) that itself connects to another SHUFFLE having the same hardware (BU+TU) and so on, in a daisy chain layout. The spacing between two SHUFFLEs can be up to 400 metres (max).

4 SHUFFLE to SHUFFLEs (linear mode)
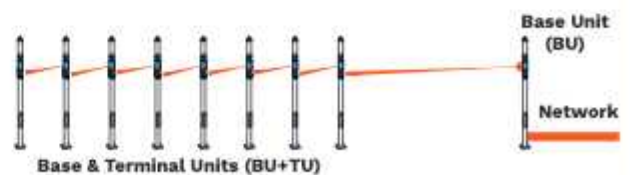
The Base Unit is integrated into a SHUFFLE. It connects to one SHUFFLE (Base and Terminal Units) that itself connects to another SHUFFLE having the same hardware (BU+TU) and so on, in a daisy chain layout. The spacing between two SHUFFLEs can be up to 400 metres (max).

SMART & CONNECTED

SPEAKER 🔊

Professional sound system for public service announcements, warnings and music

- Frequency range: 90 - 19,000Hz
- Full range speaker with dual cone
- Perfect sound - up to 25W power output
- Weatherproof / adapted to indoor and outdoor applications
- Digitally connected network speaker

	Analogue speaker (SH18S2-CP)	Digital speaker (SH18S2-S8)
Frequency range	100 - 18000Hz	90 – 19000 Hz
Sound pressure level (1W/1m)	89dB	90dB
Max. power rating	20W	25W
Ethernet connection	No	Yes
Internal amplifier	No	Yes

POWER SUPPLY 🔌

Auxiliary power source

- Secured access with locked door
  (T25 screws at the top of pole, key at the bottom)
- Integrated fuse
- Integrated cable retainer
- Passage to the outside for cables

	Power sockets (SHPOLE2-G8)	Event lighting socket (SHPOLE2-FU)
Location	At the bottom of the pole	At the top of the pole
Number of sockets	2	1
Type	Schuko Type F 16A 230V	Schuko Type F 16A 230V
Purpose	Power sockets for any need	Power socket for decorative lighting
Max. power	3500W	1200W

EV CHARGING 🚗

EV charger
(SHPOEV2)

Professional charging station

- AC charging 11kW
- European socket (type 2)
- Safety locking during charging
- Access unit (for cabinet mounting)

LIGHTING

360° LensoFlex®2/ LensoFlex®4 (SH36L2)

Street lighting / Ambiance lighting /Pedestrian crossing lighting

- Lumen package range: from 1,500 to 8,100lm
- Back light control (optional)
- Warm or neutral white LEDs
- Optional internal diffuser or external diffuse protector for enhanced visual comfort

180° Spot (SH18L)

Up/down (on-site adjustment): architectural lighting

- Lumen package range: from 1,300 to 2,400lm
- On-site inclination angle settings: -10/+40°
- Warm or neutral white LEDs

180° LensoFlex®2 (SH18L)

Street lighting

- Lumen package range: from 2,200 to 5,500lm
- Back-light control (optional)
- Warm or neutral white LEDs

180° reflector (SH18L)

Down: Street lighting / Ambiance lighting / Area lighting
Up: Architectural lighting

- Lumen package range: from 2,300 to 6,000lm
- Neutral or warm white LEDs

Light ring (SHLR2)

Signage / beautification (identity) / creation of ambiance

- Static red, blue, green, warm or neutral white variants
- 1 or 2 alternating static colours
- RGB for colour changing effects

Luminaire bracket (SHLB)

Street lighting / Pedestrian crossing lighting

- For luminaire with mounting for Ø60mm/2.3"
- Inclination angle: +5°

With PIANO Midi

With FLEXIA FG Midi

With YMERA

With CITEA NG Mini

CCTV - 180° 👁

For professional camera networks

- Resolution: full HD (1920 x 1080)
- Image optimisation (back-light, contrasts, night vision, high luminosity)
- Privacy layers
- ONVIF communication standard
- Event triggering: motion detection, video analytics, tampering, etc.
- Digital zoom
- Data optimisation: selected and/or delayed transmission, on-site recording (SD memory slot)
- Compatible with video management systems

	Camera with or without extra PC protector (SH18C2-HK)	Camera with or without extra PC protector (SH18C2-GC)	Camera with or without extra PC protector (SH18C2-JH)
Smart features	No	Yes	Yes
Security features	★ ☆ ☆	★ ★ ☆	★ ★ ★
Angular field of view	Horizontal: 108° Vertical: 60°	Horizontal: 110° Vertical: 62°	Horizontal: 108° Vertical: 59.3°
IR	15m	No	30m
Power consumption	3W	6.4W	7.5W

CCTV - 360° 👁

QuadView (SHCQV)

Integrated 360-degree video CCTV solution

- Offers a 360° field of view
- Contains 4 separate sensors with wide 113° horizontal field of view per sensor
- Vertical angle of view: 62°
- Streams videos from four sensor units simultaneously
- Supports 1920x1200/1080 (1080p) resolution with up to 50/60fps (50/60Hz)
- Supports Wide Dynamic Range (WDR) – Forensic Capture
- Ideal for very bright and/or dark areas
- Support for Zipstream technology lowers bandwidth and storage use
- Withstands dust, rain, snow, vibrations, shocks and impacts
- IP connectivity through standard Ethernet ports
- Power over Ethernet or 8–28V DC
- Features two SD card slots for optional local storage

Universal camera bracket (SHCBR)

Integrated hanging bracket for PTZ cameras

- Compatible with most PTZ cameras on the market
- Excellent stability for minimal camera movement
- Concealed cable management

INTERCOM SOS

One-touch system to contact operators and/or to trigger panic response scenarios

- Vandal-resistant SIP and IP intercom
- Optional HD video at up to 30FPS (1440x1080px) and H.264 for integration with most video solutions
- Crystal clear audio
- Active background noise cancellation
- Automatic volume adjustment
- Stainless steel front plate with one button
- Can interact with SHUFFLE Strobe, light ring, horn and cameras

	Intercom (SHPOIC2-GH)	Intercom with camera (SHPOIC2-GI)
Internal speaker amplifier	10W class D	10W class D
Microphone	Digital MEMS, omnidirectional	Digital MEMS, omnidirectional
Power supply	PoE or external power supply	PoE or external power supply
Camera	-	Fixed lens, 1440x1080 pixels
Power consumption	Idle 1.8W Max 12W	Idle 3.5W Max 12W

STROBE SOS

360° Lighting with strobe (SH36L2-HL/SH36L2-HM)

Vital visual aid for emergencies

- Lumen package range: from 1,500 to 8,100lm
- Flashing blue strobe light
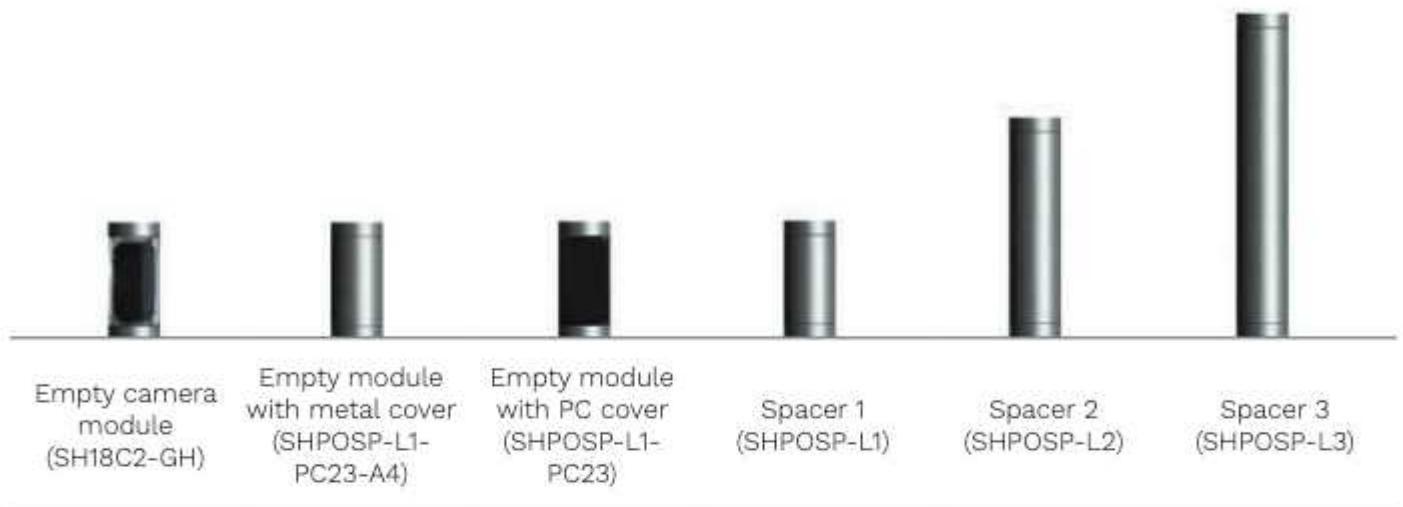- Can be triggered remotely or locally via the intercom button

HORN

Horn (SH18S2-HN/SH18S2-HO)

## Warning or alarm with a powerful electronic tone

- Warning or alert to the nearby population
- Supports voice-over IP
- Multi-tone up to 105dB
- Can be triggered remotely
- Can be integrated into a global warning system
- Can be linked to SHUFFLE Intercom

SMART & CONNECTED

SPACER

Empty camera module (SH18C2-GH)

Empty module with metal cover (SHPOSP-L1-PC23-A4)

Empty module with PC cover (SHPOSP-L1-PC23)

Spacer 1 (SHPOSP-L1)

Spacer 2 (SHPOSP-L2)

Spacer 3 (SHPOSP-L3)

DIMENSIONS

	360° module	180° module	QuadView module	Light ring	Luminaire bracket (Ø60mm)	Camera bracket
A	194mm | 7.6"	194mm | 7.6"	194mm | 7.6"	194mm | 7.6"	194mm | 7.6"	194mm | 7.6"
B	815mm | 32"	403mm | 15.9"	593mm | 23.4"	215mm | 8.5"	215mm | 8.5"	215mm | 8.5"
C	-	-	-	-	109mm | 4.3"	490mm | 19.3"
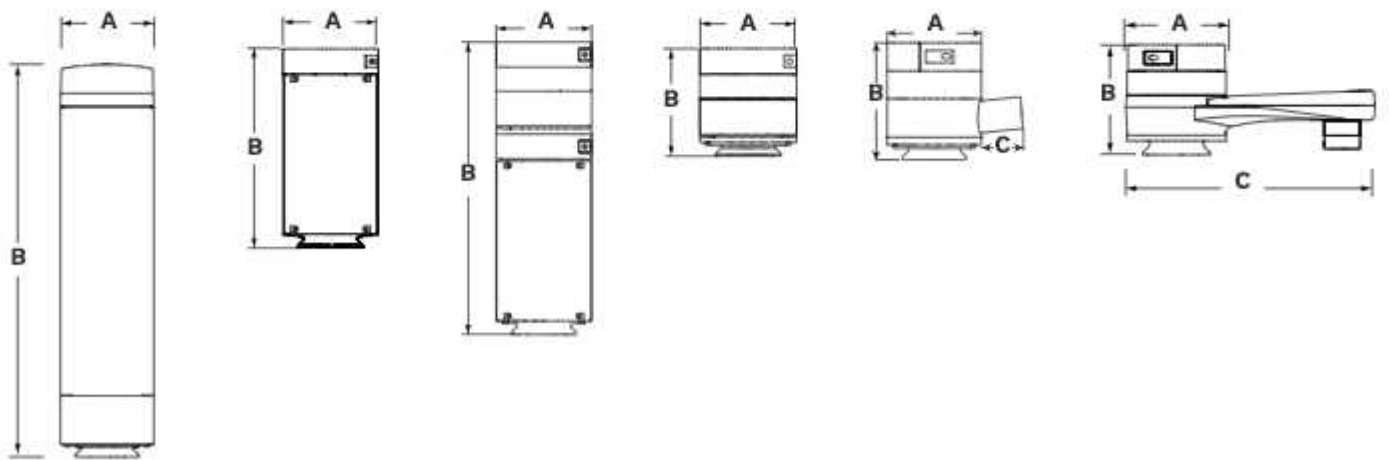
6.84M / 22.5'
Max. 5 modules

4M / 13'

2.28M / 6.5'
Min.
pole
height

Design your **ideal**
SHUFFLE

Visit https://shuffle.schreder.com

ROAD

" Solutions for safe, comfortable, sustainable & connected roads **"**

Schréder

ROAD

PRODUCT RANGE

IZYLUM

MID FLEX™ 2	LENSO FLEX® 4	SMART LABEL	CIRCLELIGHT	EXEDRA
PHOTOMETRY		SERVICES	SUSTAINABILITY	CONTROL

AVENTO

MID FLEX™	LENSO FLEX® 2	LENSO FLEX® 4	SMART LABEL	CIRCLELIGHT	EXEDRA
PHOTOMETRY			SERVICES	SUSTAINABILITY	CONTROL

VOLTANA

LENSO FLEX® 2	PRO FLEX™	SMART LABEL	CIRCLELIGHT	EXEDRA
PHOTOMETRY		SERVICES	SUSTAINABILITY	CONTROL

AMPERA

MID FLEX™	LENSO FLEX® 4	LENSO FLEX® 2	SMART LABEL	CIRCLELIGHT	EXEDRA
PHOTOMETRY			SERVICES	SUSTAINABILITY	CONTROL

TECEO

LENSO FLEX® 4	SMART LABEL	CIRCLELIGHT	EXEDRA
PHOTOMETRY	SERVICES	SUSTAINABILITY	CONTROL

AXIA 3

PRO FLEX™	SMART LABEL	EXEDRA
PHOTOMETRY	SERVICES	CONTROL

AXIA 3 EVO

PRO FLEX™	SMART LABEL	CIRCLELIGHT	EXEDRA
PHOTOMETRY	SERVICES	SUSTAINABILITY	CONTROL

AXIA 2

PRO FLEX™	SMART LABEL	EXEDRA
PHOTOMETRY	SERVICES	CONTROL

IZYLUM

Design: Indio da Costa

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

CAR PARKS

LARGE AREAS

A time-saving, versatile, high-performance road and urban solution

Based on Schréder's experience and proven track record with road and urban LED lighting, the IZYLUM luminaire benefits from numerous innovations.

IZYLUM provides the best experience for all stakeholders in public lighting: cities looking 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 citizens requiring safe and comfortable environments.

This connected-ready range of luminaires not only offers a realistic platform for smart cities; its compact, lightweight, optimised design minimises the carbon footprint at every stage of the product lifecycle.

IZYLUM stands out as the best in class for a circular economy.

IZYLUM	1	2	3	4	5
Recommended installation height	4 to 15m+ / 13' to 49'+				
Typical luminaire output flux (range)	600 to 8,700lm	1,900 to 15,000lm	2,600 to 23,900lm	4,600 to 32,800lm	4,500 to 40,000lm
Power consumption	7.2W to 65W	18.6W to 109W	20W to 162W	41W to 218W	41W to 280W
Colour temperature	Warm white (722, 727, 730 and 830), neutral white (740) or cool white (757)				
Nominal voltage	120-277V / 220-240V / 347-480V 50-60Hz				
Surge protection	6 / 8 / 10kV				

UL 1598 CSA C22.2 No. 250.0   UKCA   ZD: IP 66/67   IK 09

> Maximised savings in energy and maintenance costs

> New generation of LensoFlex®4 and MidFlex™2 photometric engines offering high-efficiency lighting, comfort and safety

> 5 sizes to provide the most accurate solutions for numerous road and urban applications

> Tool-free access with a clear, perceptible click upon closing

> On-site adjustment from post-top to side-entry without disconnecting the luminaire from the pole thanks to IzyFix

> Wide range of operating temperatures

> Zhaga-D4i certified

> Connected-ready

DIMENSIONS | MOUNTING

IZYLUM	1	2	3	4	5
A	587mm | 23.1"	604mm | 23.8"	715mm | 28.1"	873mm | 34.4"	873mm | 34.4"
B	94mm | 3.7"	94mm | 3.7"	94mm | 3.7"	94mm | 3.7"	94mm | 3.7"
C	294mm | 11.6"	352mm | 13.9"	368mm | 14.5"	390mm | 15.4"	390mm | 15.4"
KG	4.9-5.9kg | 10.8-13lbs	6.3-7.3kg | 13.9-16.1lbs	7-8.3kg | 15.4-18.3lbs	9.9-12.1kg | 21.8-26.6lbs	10.3-12.6kg | 22.7-27.7lbs

Ø32mm
Ø42mm
Ø48mm
Ø60mm
Ø76mm

Ø32mm
Ø42mm
Ø48mm
Ø60mm

Dimensions given for IZYLUM with Ø60mm spigot (side-entry mounting).
Size and weight may be different according to the configuration. Please consult us for more information.

ROAD
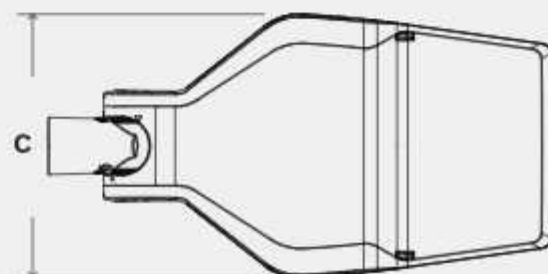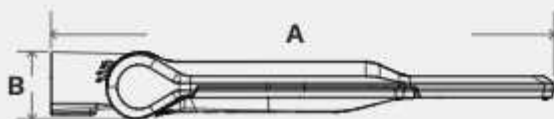
BRACKETS

With KEMA brackets, the IZYLUM luminaire creates aesthetical combinations suited to numerous applications.

DESIGN HIGHLIGHTS

IZYLUM integrates two new, highly efficient photometrical platforms: LensoFlex®4 and MidFlex™2.

The IzyFix universal fixation system for switching from a post-top to a side-entry position facilitates ordering and installing luminaires.

The luminaire can be opened without any tools thanks to two stainless steel spring clamps.

IZYLUM is connected-ready and can operate with various sensors and control systems.

AMPERA

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

CAR PARKS

LARGE AREAS

High-performance LED lighting solution with fast return on investment

Creating an efficient, economical and sustainable LED lighting solution was the driving force behind the development of AMPERA.

AMPERA is a road luminaire highlighting high performance, technical innovation, and simplicity. This innovative luminaire thus provides powerful lighting, fast and simple installation, easy lighting network management, as well as the fastest return on investment.

Available with various lumen packages - and numerous lighting distributions - AMPERA can meet all your road and urban lighting needs.

AMPERA	EVO 1	EVO 3	MAXI
Recommended installation height		4m to 15m | 13' to 49'	
Typical luminaire output flux (range)	600 to 14,300lm	2,600 to 23,200lm	5,900 to 41,200lm
Power consumption	7.8W to 110W	25.9W to 167W	81W to 310W
Colour temperature		Warm white (722, 727, 730 and 830), neutral white (740), cool white (757)	
Nominal voltage		220-240V / 50-60Hz	
Surge protection		10kV	

UK CA | IP 66 | IK 09

KEY ADVANTAGES

> **Cost-effective, efficient lighting solution for a fast return on investment**

> **On-site adjustment from post-top to side-entry without disconnecting the luminaire from the pole thanks to IzyFix**

> **Tool free access: easy and safe maintenance**

> **Connected-ready for your future smart city requirements**

> **Compatible with the Schréder EXEDRA control platform**

> **Zhaga-D4i certified**

> **Adjustable inclination on site**

DIMENSIONS | MOUNTING

AMPERA	EVO 1	EVO 3	MAXI
A	524mm | 20.6"	679mm| 26.7"	900mm | 35.4"
B	128mm | 5.0"	143mm | 5.6"	135mm | 5.3"
C	308mm | 12.1"	365mm | 14.4"	438mm | 17.2"
KG	5.9-7.3kg | 13.0-16.1lbs	8.9-10.4kg | 19.6-22.9lbs	18.2kg | 40.0lbs

Ø42mm
Ø48mm
Ø60mm
Ø76mm

Ø42mm
Ø48mm
Ø60mm
Ø76mm

ROAD
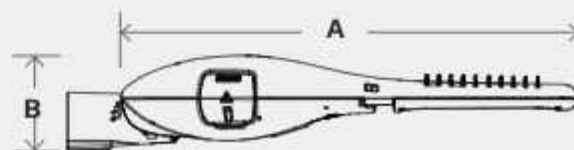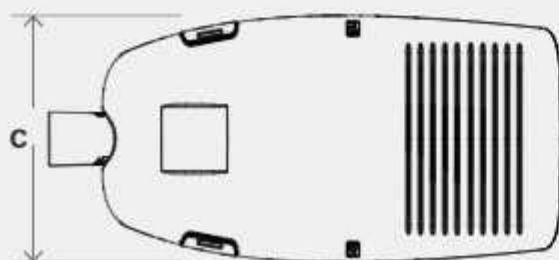
BRACKETS

With DIO brackets, the AMPERA luminaires create aesthetical combinations suited to numerous applications.

DESIGN HIGHLIGHTS

Tool-free opening, and a mounting with two separate parts for easy installation.

The IzyFix universal fixation system, for switching from a post-top to a side-entry position, facilitates luminaire ordering and installation.

Connected-ready for your future smart city projects.

Designed for a circular economy with easy replacement of internal components.

TECEO

Design: Michel Tortel

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

CAR PARKS

LARGE AREAS

Lighting in an efficient and sustainable manner

TECEO is a market benchmark recognised by independent bodies.

This successful luminaire has enabled thousands of towns and cities to improve lighting levels, generate energy savings and reduce their ecological footprint.

Thanks to its broad range of lumen packages, its impressive scope of light distributions and its various control options, TECEO provides the ideal solution for lighting numerous environments; from bike paths, squares and car parks, to residential streets.

Designed for versatile mounting with the same universal piece allowing both side-entry and post-top fixation on a spigot, TECEO is easy to combine with standard poles, refined brackets or wall brackets.

TECEO (GEN2)	S	1	2
Recommended installation height	4 to 12m / 13' to 39'		
Typical luminaire output flux (range)	600 to 9,8000lm	1,300 to 19,100lm	3,200 to 38,200lm
Power consumption	7W to 77W	13W to 152W	30W to 280W
Colour temperature	Warm white (722, 727, 730 and 830) or neutral white (740), cool white (757)		
Nominal voltage	120-277V / 220-240V / 347-480V 50-60Hz		
Surge protection	6 / 10 / 20kV		

UL 1598 CSA C22.2 No. 250.0 · UK CA · IP 66 · IK 09 · IK 10

> **3 sizes for flexibility**

> **Maximised savings in energy and maintenance costs**

> **LensoFlex®** **technology offering high performance photometry, comfort and safety**

> **Dark sky compliant: ULOR = 0%, no up-light**

> **Universal fixation adapted for side-entry and post-top mounting**

> **Zhaga-D4i certified**

> **Connected-ready**

> **Solar-powered variants**

DIMENSIONS | MOUNTING

TECEO (GEN2)	S	1	2
A	450mm | 17.7"	580mm | 22.8"	740mm | 29.1"
B	99mm | 3.9"	107mm | 4.2"	118mm | 4.6"
C	252mm | 9.9"	310mm | 12.2"	427mm | 16.8"
KG	5.1kg | 11.2lbs	7.9kg | 17.4lbs	14.2kg | 30.9lbs

Ø32mm
Ø42mm
Ø48mm
Ø60mm
Ø76mm

Ø32mm
Ø42mm
Ø48mm
Ø60mm
Ø76mm

ROAD
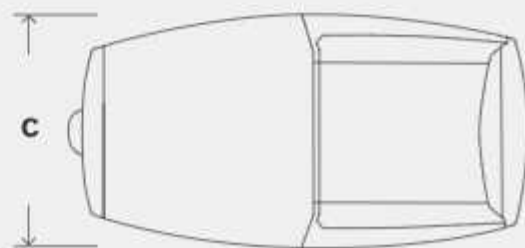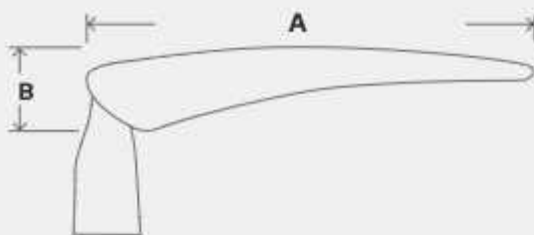
BRACKETS

With ELAYA brackets, the TECEO luminaire creates aesthetical combinations suited to numerous applications.

DESIGN HIGHLIGHTS

The top opening provides access to the gear compartment for cabling and maintenance.

TECEO is available with both NEMA or Zhaga sockets, and complies with the ZD4i standard

The TECEO range offers universal fixations for spigots ranging from Ø32 to Ø76mm.

The inclination angle can be adjusted on site for both post-top (0 to +15°) and side-entry (0 to -15°) configurations.

AXIA 2

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

CAR PARKS

LARGE AREAS

The most comprehensive & economical LED lighting solution

AXIA 2 provides the most comprehensive and best value LED solution for lighting any road, street or pedestrian area.

It offers all the advantages of LED lighting, without the high cost associated with LEDs.

With its photometric engine providing light distributions adapted to various applications, AXIA 2 is one of the highest performing luminaires available on the market to offer a fast return on investment.

Building on the strengths of the ground breaking AXIA, this second-generation luminaire is designed to be the ultimate multi-purpose fixture, providing a cost-effective solution for those looking to reduce their energy costs.

AXIA 2	2.1	2.2
Recommended installation height	5 to 10m / 16' to 33'	
Typical luminaire output flux (range)	200 to 9,100lm	3,800 to 20,000lm
Power consumption	5W to 68W	29.4W to 148W
Colour temperature	Warm white (727, 730 and 830) or neutral white (740)	
Nominal voltage	220-240V / 50-60hz	
Surge protection	10kV	

IP 66   IK 08   IK 09   IK 10

> **Cost-effective and efficient lighting solution for a fast return on investment**

> **Photometric engine with light distributions adapted to various applications**

> **ThermiX® for long lasting performance**

> **Universal fixation adapted for side-entry and post-top mounting**

> **Adjustable inclination in steps of 2.5°**

> **Zhaga-D4i certified**

> **Connected-ready**

DIMENSIONS | MOUNTING

AXIA 2	2.1	2.2
A	650mm	25.6"	895mm	35.2"
B	250mm	9.8"	300mm	11.8"
C	132mm	5.2"	132mm	5.2"
KG	6.7kg	14.7lbs	9.5kg	20.9lbs

Ø60mm
Ø76mm

Ø32mm
Ø42mm
Ø48mm
Ø60mm

ROAD
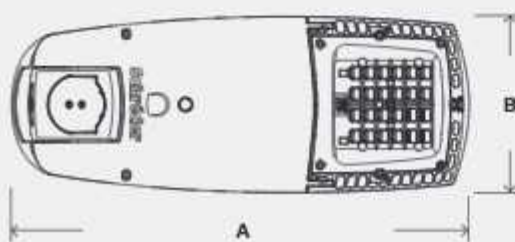
BRACKETS

With ANDO brackets, the AXIA 2 luminaire creates aesthetical combinations suited to numerous applications.

DESIGN HIGHLIGHTS

Universal fixation for side-entry or post-top mounting with adjustable inclination in increments of 2.5°.

Easy access to the electronical compartment for maintenance.

ProFlex™ photometric engine for precise light distributions with the highest efficiency.

Cooling fins for optimised thermal management and long-lasting performance.

AXIA 3

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

CAR PARKS

LARGE AREAS

Engineered for performance, designed for the customer experience

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 while supporting smart city frameworks.

Based on experience from the hundreds of thousands AXIA luminaires installed worldwide, this third generation luminaire pushes the boundaries with photometric innovation, ease and speed of installation and FutureProof connectivity.

Available in three sizes, AXIA 3 enables towns and cities to maximise efficiency when lighting numerous environments, from bike paths, squares and car parks to residential streets, carriageways, urban roads and large boulevards.

This lightweight, compact luminaire combines quality of light with a minimal carbon footprint. It stands out with its easy installation and carefree maintenance, reducing operating costs.
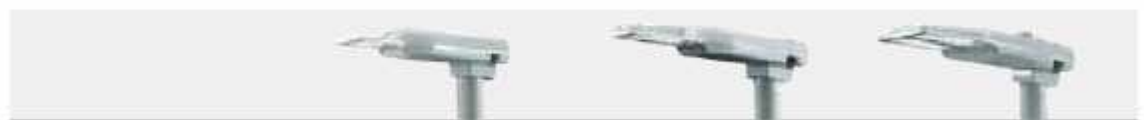
AXIA 3	3.1	3.2	3.3
Recommended installation height	4 to 12m / 13' to 39'		
Typical luminaire output flux (range)	600 to 6,100lm	2,000 to 11,300lm	4,000 to 23,600lm
Power consumption	8.4W to 44W	15.3W to 78W	28.6W to 170W
Colour temperature	Warm white (727 and 730) or neutral white 740		
Nominal voltage	220-240V / 50-60hz		
Surge protection	10kV		

IP 66   IK 10

- > **Maximised savings in energy and maintenance costs**
- > **ProFlex™ photometric engines offering high efficiency lighting, comfort and safety**
- > **3 sizes to provide the most accurate solutions for numerous road and urban applications**
- > **Easy installation: pre-cabled and equipped with a universal fixation part adapted for side-entry and post-top mounting**
- > **Adjustable inclination for optimised photometry and uniformity**
- > **Zhaga-D4i certified**
- > **Connected-ready**

DIMENSIONS | MOUNTING

AXIA 3	3.1	3.2	3.3
A	513mm | 20.2"	585mm | 23"	550mm | 21.7"
B	130mm | 5.1"	130mm | 5.1"	130mm | 5.1"
C	191mm | 7.5"	191mm | 7.5"	277mm | 10.9"
KG	3.6kg | 7.9lbs	4.8kg | 10.6lbs	6kg | 13.2lbs

Ø60mm
Ø76mm

Ø32mm
Ø42mm
Ø48mm
Ø60mm

ROAD
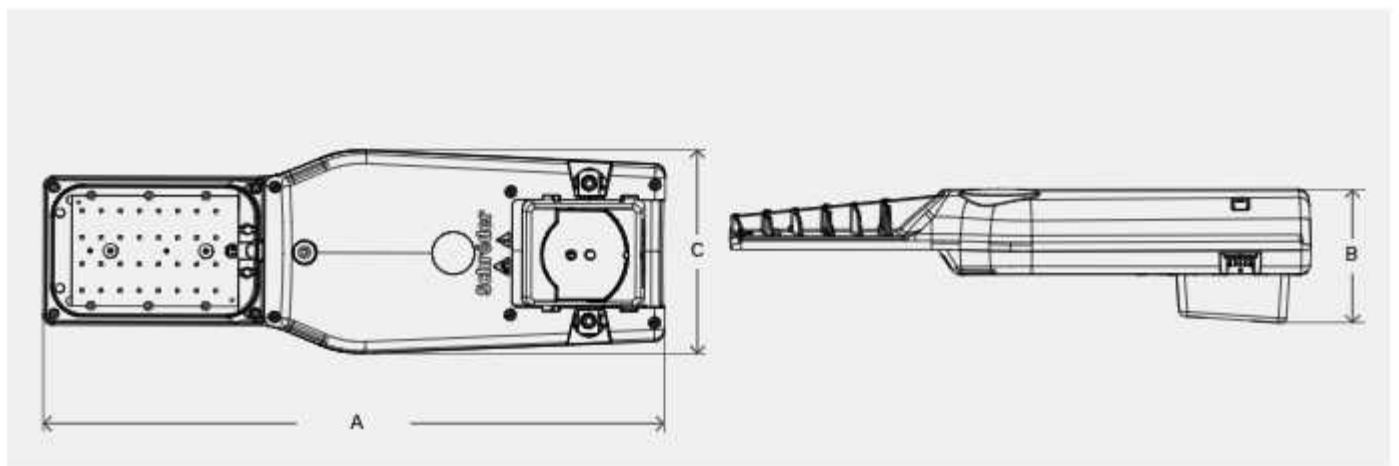
BRACKETS

With KORDA brackets, the AXIA 3 luminaire creates aesthetical combinations suited to numerous applications.

DESIGN HIGHLIGHTS

The ProFlex™ photometric engine provides the highest efficiency.

The AXIA 3 range has a universal fixation part for spigots ranging from Ø32 to Ø76mm.

The inclination is adjustable on site for optimised photometry and further energy savings.

AXIA 3 is connected-ready and can operate with various sensors and control systems.

AXIA 3 EVO

URBAN &
RESIDENTIAL
STREETS

BIKE &
PEDESTRIAN
PATHS

SQUARES &
PEDESTRIAN
AREAS

RAILWAY
STATIONS &
METROS

CAR PARKS

Innovative, lightweight lighting solution with excellent performance

From proven experience with the renowned AXIA luminaires comes AXIA 3 EVO, completing the range with an innovative and lightweight urban luminaire dedicated to lighting residential areas.

The first of its kind, AXIA 3 EVO was developed on the basis of the specific needs of residential lighting spaces where well-being and security are crucial criteria.

Combining various technical innovations with a minimalistic design, AXIA 3 EVO offers an effective lighting solution to provide people with a pleasant and secure environment.

AXIA 3 EVO stands out by providing a compact luminaire fitted with advanced technologies, helping towns and cities generate significant energy savings and reduce their ecological footprint and operating costs.

AXIA 3 EVO

Recommended installation height	4 to 12m / 13' to 39'
Typical luminaire output flux (range)	600 to 6,600lm
Power consumption	6.6W to 52.5W
Colour temperature	Warm white (727 and 730) or neutral white (740)
Nominal voltage	120-277V / 220-240V / 50-60hz
Surge protection	10kV

UK CA | IP 66 | IK 09

> **Maximised savings in energy and maintenance costs**

> **ProFlex™ photometric engines offering high efficiency lighting, comfort and safety**

> **Adjustable inclination for optimised photometry and uniformity**

> **Connected-ready for your future smart city requirements**

> **Zhaga-D4i certified**

> **Compact, lightweight and easy to install**

> **Different finishes and colour choices**

DIMENSIONS | MOUNTING

AXIA 3 EVO

A	343mm | 13.5"
B	143mm | 5.6"
C	187 mm | 7.4"
KG	2.6-3.6kg | 5.7-7.9lbs

Ø60mm
Ø76mm

Ø32mm
Ø42mm
Ø48mm
Ø60mm

ROAD

AVENTO
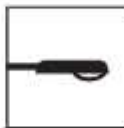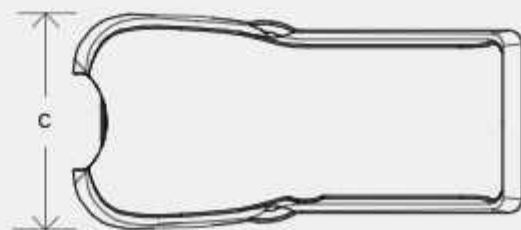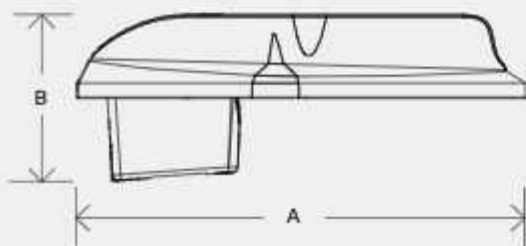
ROADS & MOTORWAYS	URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	SQUARES & PEDESTRIAN AREAS
BRIDGES	RAILWAY STATIONS & METROS	CAR PARKS	LARGE AREAS

The budget-friendly, high-efficiency solution

Compact yet powerful, light yet robust, affordable yet highly efficient, AVENTO provides the fastest return on investment for road and area lighting.

AVENTO offers a superior lumen/watt ratio to deliver a high-performance, energy-efficient lighting solution at an affordable price for various landscapes including pedestrian areas, streets, roads, car parks and motorways.

AVENTO is available in four sizes to provide a consistent solution in terms of the right lumen package and light distribution for a broad range of environments. It ensures that the lighting meets the actual needs of the place to be lit.

AVENTO is the ideal tool for shortening the payback time of an LED lighting installation and providing the best return on investment.

AVENTO	S	1	2	3
Recommended installation height	4 to 45m / 13' to 148'			
Typical luminaire output flux (range)	2,400 to 9,700lm	3,000 to 24,300lm	6,100 to 36,100lm	21,800 to 67,200lm
Power consumption	18.2W to 74W	25W to 172W	48W to 258W	218W to 490W
Colour temperature	Warm white (730 and 830) or neutral white (740)			
Nominal voltage	120-277V / 220-240V / 347-480V 50-60Hz			
Surge protection	6 / 8 / 10 / 20kV			

UL 1598 CSA C22.2 No. 250.0 ZDi IP 66 IK 09

> Cost-effective and efficient lighting solution
> Superior efficiency
> Accelerated return on investment
> 4 sizes for flexibility and consistency when lighting P1 to P6 and M1 to M6 applications in accordance with CIE 115
> Easy and fast installation
> Wide temperature operating range
> Dark sky compliant: ULOR = 0%, no up-light
> Connected-ready

DIMENSIONS | MOUNTING

AVENTO	AVENTO S	AVENTO 1	AVENTO 2	AVENTO 3
A	350mm	13.8"	485mm	19.1"	655mm	25.8"	655mm	25.8"
B	127mm	5"	114mm	4.5"	159mm	6.3"	158mm	6.2"
C	310mm	12.2"	310mm	12.2"	359mm	14.1"	578mm	22.8"
KG	5kg	11lbs	8.1kg	17.8lbs	11.7kg	25.7lbs	18.6kg	40.9lbs

Ø42mm
Ø48mm
Ø60mm

ROAD
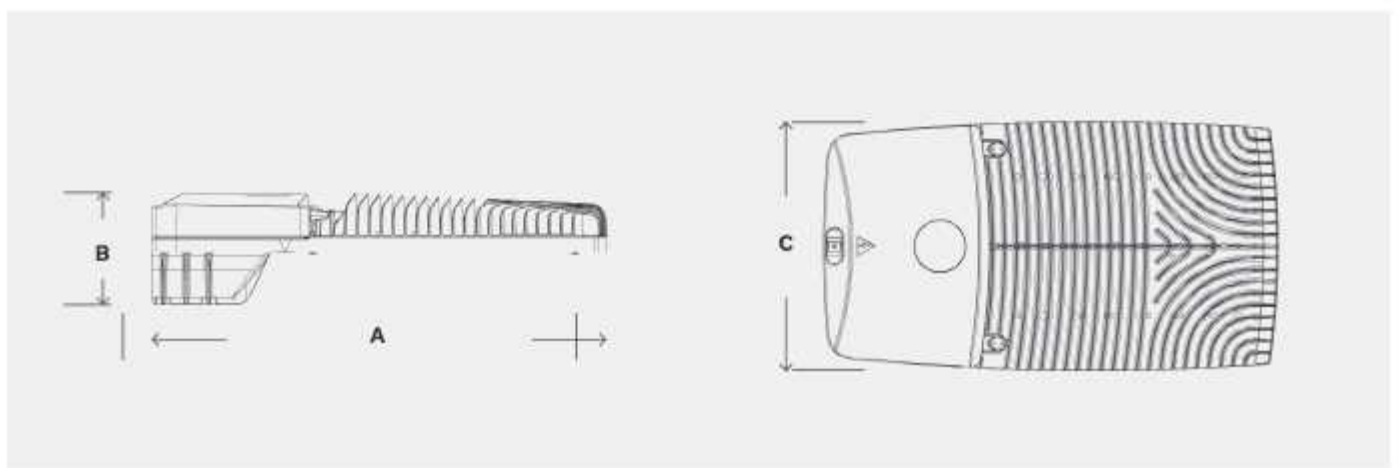
BRACKETS

With DIO brackets, the AVENTO luminaire creates aesthetical combinations suited to numerous applications.

DESIGN HIGHLIGHTS

AVENTO provides tool-free access to the gear compartment.

To ensure optimal thermal management in hot conditions, AVENTO incorporates large cooling fins.

AVENTO includes a universal Ø42-60mm fixation part for side entry-mounting.

AVENTO can be delivered with a shorting cap to add IoT features at any time in the future.

VOLTANA

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

CAR PARKS

LARGE AREAS

The ultimate, cost-effective, efficient family of luminaires that pays for itself

VOLTANA delivers sustainable solutions that dramatically reduce energy consumption and improve lighting levels with the lowest investment.

The VOLTANA family is available with multiple lumen packages thanks to the various sizes, driving currents and numerous light distributions - from very narrow to extra wide - to light any rural and urban landscape.

This luminaire is designed for side-entry and post-top mounting and can be adapted on site thanks to an incorporated inclination system to optimise the photometry.

VOLTANA can be managed by several control systems. It can operate in a closed independent network with sensors or in a global network in a city through wireless communication.

VOLTANA	EVO 1	1	2	3	4
Recommended installation height	4 to 12m / 13' to 39'				
Typical luminaire output flux (range)	500 to 7,800lm	900 to 4,200lm	2,000 to 7,000lm	3,100 to 10,300lm	4,100 to 13,500lm
Power consumption	6W to 62W	9.9W to 40.5W	18.4W to 58W	26.4W to 79W	34.9W to 104W
Colour temperature	Warm white (730) or neutral white (740)				
Nominal voltage	220-240V / 50-60hz				
Surge protection	10kV				

IP 66 IK 08 IK 09 IK 10

> **Cost-effective and efficient lighting solution for a fast return on investment**

> **High performance with safety and comfort**

> **5 sizes for flexibility**

> **ThermiX® to withstand high temperatures**

> **Connected-ready**

DIMENSIONS | MOUNTING

VOLTANA	EVO 1	1	2	3	4
A	416mm | 16.4"	501mm | 19.7"	518mm | 20.4"	641mm | 25.2"	555mm | 21.9"
B	104mm | 4.1"	87mm | 3.4"	109mm | 4.3"	111mm | 4.4"	112mm | 4.4"
C	170mm | 6.7"	181mm | 7.1"	240mm | 9.4"	240mm | 9.4"	380mm | 15"
KG	2.8kg | 4.4lbs	3.5kg | 7.7lbs	4.6kg | 10.1lbs	5.6kg | 12.3lbs	7.5kg | 16.5lbs

Ø42mm
Ø48mm
Ø60mm
Ø76mm

Ø42mm
Ø48mm
Ø60mm

ROAD
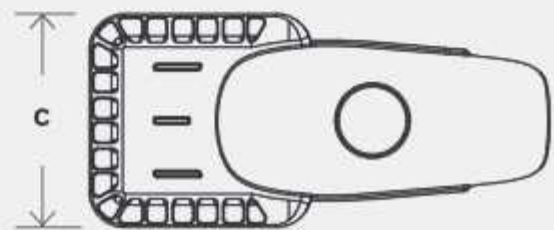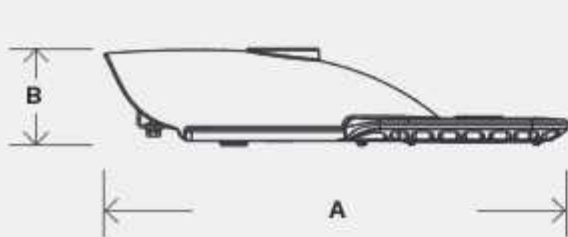
DECORATIVE

66 **Solutions to bring meaningful moments to people in public spaces** 99

Schréder

DECORATIVE

PRODUCT RANGE

FLEXIA

LENSO FLEX° 4 — PHOTOMETRY
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

CITEA NG2

LENSO FLEX° 4 — PHOTOMETRY
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

VALENTINO GEN2

LENSO FLEX° 4 — PHOTOMETRY
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

VALINTA

LENSO FLEX° 4 — PHOTOMETRY
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

YOA

LENSO FLEX° 2 — PHOTOMETRY
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

YMERA

LENSO FLEX° 2 — PHOTOMETRY
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

ALBANY

LENSO FLEX° 2 — PHOTOMETRY
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

STYLAGE

LENSO FLEX° 4 — PHOTOMETRY
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

PILZEO

LENSO FLEX° 4 — PHOTOMETRY
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

CALLA LED

RE FLEXO° / LENSO FLEX° 2 — PHOTOMETRY
CIRCLELIGHT — SUSTAINABILITY
EXEDRA — CONTROL

FRIZA

LENSO FLEX° 2 — PHOTOMETRY
SMART LABEL — SERVICES
EXEDRA — CONTROL

KAZU

LENSO FLEX° 2 — PHOTOMETRY
SMART LABEL — SERVICES
EXEDRA — CONTROL

ZYLINDO

LENSO FLEX° 2 — PHOTOMETRY
SMART LABEL — SERVICES
EXEDRA — CONTROL

HAPILED

LENSO FLEX° 2 — PHOTOMETRY
SMART LABEL — SERVICES
EXEDRA — CONTROL

OYO

LENSO FLEX° 4 — PHOTOMETRY
SMART LABEL — SERVICES
EXEDRA — CONTROL

SHUFFLE POST-TOP

LENSO FLEX° 2 / LENSO FLEX° 4 — PHOTOMETRY
EXEDRA — CONTROL

HESTIA GEN2

LENSO
FLEX® 4
PHOTOMETRY

SMART
LABEL
SERVICES

EXEDRA
CONTROL

ISLA LED

LENSO
FLEX® 2
PHOTOMETRY

EXEDRA
CONTROL

KIO LED

LENSO
FLEX® 2
PHOTOMETRY

EXEDRA
CONTROL

ZELA

RE
FLEXO™
PHOTOMETRY

SMART
LABEL
SERVICES

PIANO

LENSO
FLEX® 2
PHOTOMETRY

EXEDRA
CONTROL

RIVARA

LENSO
FLEX® 2
PHOTOMETRY

EXEDRA
CONTROL

ALURA LED

LENSO
FLEX® 2
PHOTOMETRY

EXEDRA
CONTROL

DEXO

LENSO
FLEX® 2
PHOTOMETRY

MODULLUM

LENSO
FLEX® 2
PHOTOMETRY

BORA

LENSO
FLEX® 2
PHOTOMETRY

BORA EXPLORA GEN2

LENSO
FLEX® 4
PHOTOMETRY

INOA LED

LENSO
FLEX® 2
PHOTOMETRY

PERLA

CITRINE

Architectural lighting

Explore your creativity with

FLEXIA
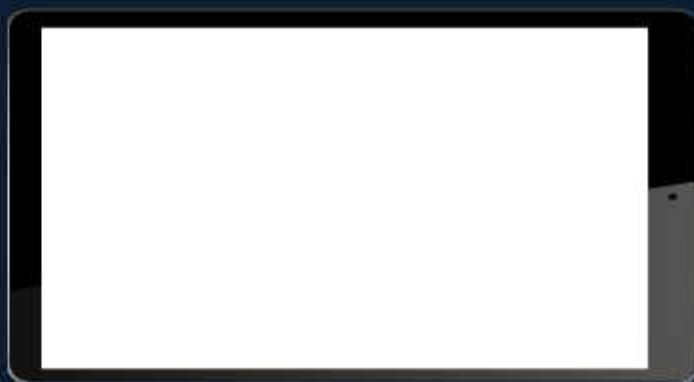
FLEXIA
TOP

FLEXIA
TOP
with Coppa
internal accessory

FLEXIA
BRASO

FLEXIA
TOP
with Quattro
internal accessory

Schréder
Signature

FLEXIA
POEME

FLEXIA
QUERCUS Midi

FLEXIA
QUERCUS Maxi

LISA
CROWN

MONA
CROWN

SCALA
CROWN

FLEXIA
FG MAXI

FLEXIA
FG MIDI

FLEXIA

Click for more information

FLEXIA

Design: IDL Design

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

The ultimate platform for your unique urban lighting solution

Various designs, many configurations, one single DNA. FLEXIA is the ultimate platform for creating your unique urban lighting solution.

Focus on creating a unique ambiance for people living in and visiting your spaces instead of dealing with non-stop constraints.

With fewer technical limitations, more design consistency and the guarantee of the latest innovations, FLEXIA offers a versatile technological platform with refined aesthetics.

The FLEXIA range incorporates a refined design and state-of-the art LED technology to provide an energy-efficient lighting solution that enhances city streets while preventing light pollution.

The FLEXIA range delivers high-quality lighting with design consistency and lowers the carbon footprint of towns and cities - creating a safe and attractive environment.

FLEXIA	FG	BRASO	TOP	DP	POEME	QUERCUS
Recommended installation height	4 to 12m 13' to 39'	4 to 5m 11' to 16'	4 to 5m 11' to 16'	4 to 10m 13' to 33'	4 to 10m 13' to 33'	4 to 12m 13' to 39'
Typical luminaire output flux (range)	600 to 23,100lm	600 to 11,700lm	600 to 11,800lm	600 to 11,800lm	600 to 12,100lm	600 to 23,500lm
Power consumption	7.8W to 174W	8W to 89W	7.8W to 88W	7.8W to 88W	7.8W to 88W	7.8W to 174W
Colour temperature	FlexiWhite (722/726/730) / Warm white (722, 727, 730 and 830) or neutral white (740)					
Nominal voltage	120-277V / 220-240V / 50-60Hz					
Surge protection	10/20kV					

UL 1598 CSA C22.2 No. 250.0 — UKCA — IP 66 — IK 09

> **State-of-the-art LED modular platform that can be endlessly customised**

> **Design consistency for all urban applications**

> **Multiple mounting possibilities**

> **Tool-free philosophy: opening, cabling and LED engine removal**

> **PureNight: dark-sky and low-glare lighting distribution**

> **FlexiWhite option for human-centric and nature-friendly scenarios**

> **Supplied pre-wired to facilitate installation**

> **Smart-city ready (NEMA) and Zhaga-D4i compliant**

DIMENSIONS

FLEXIA	FG Midi	FG Maxi	TOP Mini	TOP Midi	BRASO
A	504mm | 19.8"	610mm | 24"	504mm | 19.8"	504mm | 19.8"	504mm | 19.8
B	140mm | 5.5"	163mm | 6.4"	612mm | 24"	752mm | 29.6"	752mm | 29.6"
C	504mm | 19.8"	610mm | 24"	504mm | 19.8"	504mm | 19.8"	504mm | 19.8
KG	9.6kg | 21.1lbs	14.2kg | 31.4lbs	9.8kg | 21.6lbs	10kg | 22lbs	12kg | 26.4lbs

FLEXIA FG A/C

FLEXIA TOP A/C

FLEXIA BRASO A/C

DECORATIVE
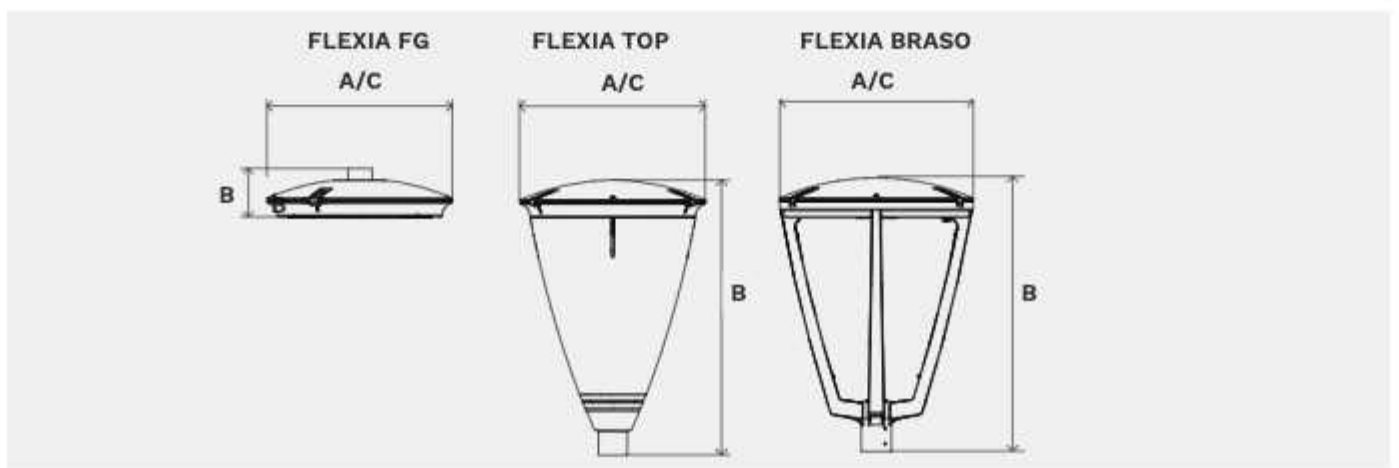
DIMENSIONS

FLEXIA	DP	POEME	QUERCUS Midi	QUERCUS Maxi
A	504mm | 19.8"	504mm | 19.8"	504mm | 19.8"	610mm | 24"
B	682mm | 26.9"	650mm | 25.6"	490mm | 19.3"	693mm | 27.3"
C	504mm | 19.8"	504mm | 19.8"	504mm | 19.8"	610mm | 24"
KG	12.6kg | 27.8lbs	11.7kg | 25.6lbs	11.5kg | 25.3lbs	16.8kg | 37lbs

FLEXIA DP

A/C

B

FLEXIA POEME

A/C

B

FLEXIA QUERCUS

A/C

B
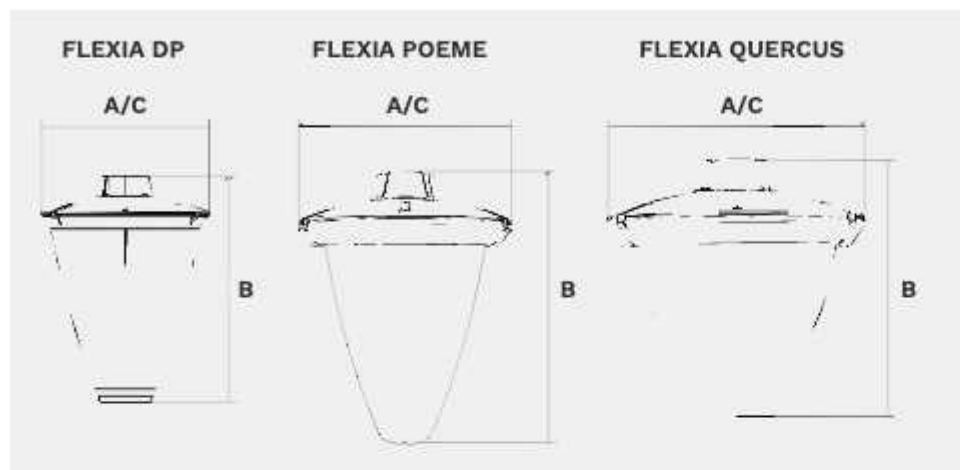
DESIGN HIGHLIGHTS

FLEXIA Top offers a slip-over mounting on Ø60 or Ø76mm spigots. It is also available for suspended variants.

FLEXIA FG Midi is designed for side-entry mounting with the versatile SOFIA bracket, enabling numerous configurations.

FLEXIA includes instant electrical disconnection on opening and a completely tool-free removable LED engine.

To remain as open and interoperable as possible, all FLEXIA variants are available with both NEMA or Zhaga sockets and comply with the Zhaga-D4i standard.

Whether you go for a classical refined shape or an organic design, the FLEXIA suspended variants blend perfectly into your landscapes to create a unique ambiance.

CIRCLELIGHT

Built with recyclable materials and with an architecture designed for easy service and refurbishment, FLEXIA is a role model for a circular economy.

FLEXIA

DIMENSIONS

L1	1200mm | 47"
L2	445mm | 17"
Ø1	76mm | 3"
L3	400mm | 15"
Ø2	60mm | 2"

8m / 26'

6m / 20'

4.5m / 15'
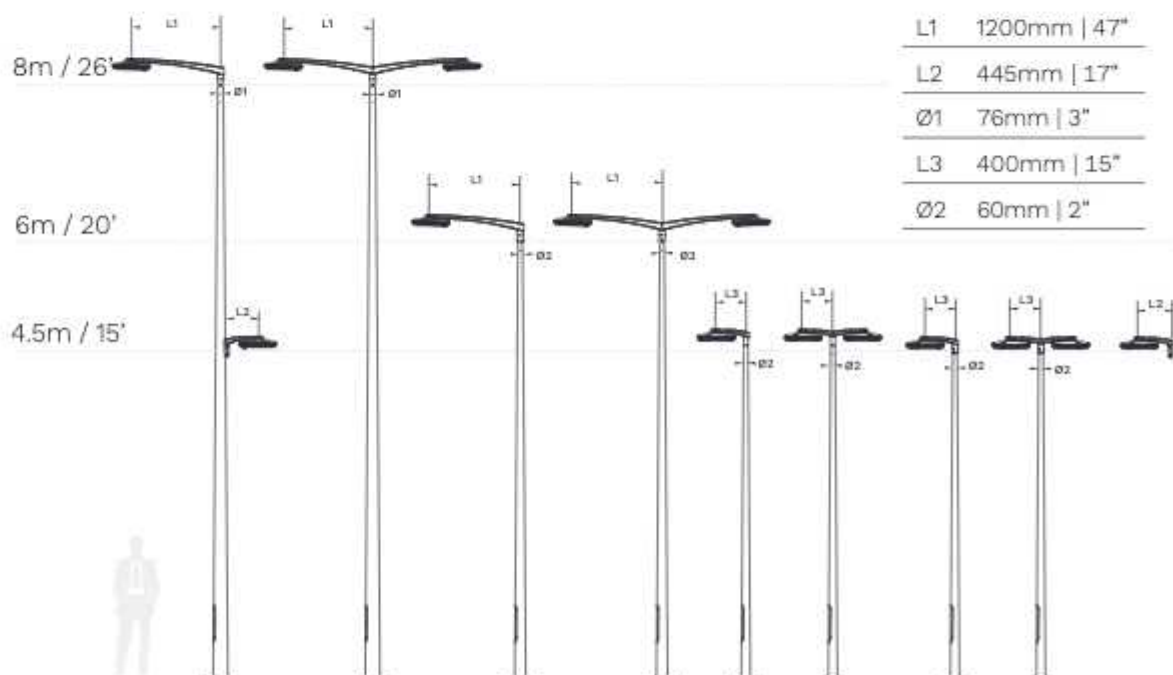
Jewel in the crown

Lighting can sometimes be seen as a commodity and luminaires considered as basic urban amenities. But it is not an unavoidable law of nature: not all luminaires have to look the same.

FLEXIA brings a new dynamic and breaks the rules. With its built-in custom capabilities, FLEXIA offers opportunities to reinforce the identity of an environment. It can either blend into a landscape by matching a transport company's branding, embodying a community identity, advocating local craftsmanship, ancestral know-how and industrial successes or be a privileged devotee of local heroes by wearing a sports team's colours. With FLEXIA Signature, there are no limits to the imagination.

Schréder
Signature

PIANO

MAIN APPLICATIONS

ROADS & MOTORWAYS	URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	CAR PARKS
SQUARES & PEDESTRIAN AREAS	BRIDGES	RAILWAY STATIONS & METROS	

The ideal instrument for urban environments

Designed by Michel Tortel to enhance urban environments both by day and by night, the PIANO range has a refined design and a high-quality finish.

This luminaire complements any landscape where aesthetics and performance are important.
Taking advantage of state-of-the-art LED technology and control solutions, PIANO provides the right light, anywhere, anytime in the urban environment.
This range includes 2 different sizes as well as side-entry and post-top fixation so that streets, passages and large pavements can be lit using the same luminaire design.
This winning combination of performance, design and flexibility makes it perfect for lighting streets, pedestrian areas, parks and bike paths.
The PIANO range offers towns and cities the ideal tool to improve lighting levels, generate energy savings and reduce their ecological footprint.

PIANO	Mini	Midi
Recommended installation height	4 to 12m / 13' to 39'	
Typical luminaire output flux (range)	1,800 to 7,500lm	3,500 to 16,900lm
Power consumption	18.4W to 53W	34.7W to 117W
Colour temperature	Warm white (727, 730 and 830) or neutral white (740)	
Nominal voltage	220-240V / 120-277V / 347-480V 50-60Hz	
Surge protection	4 / 10 / 20kV	

UL 1598 CSA C22.2 No. 250.0   UKCA   IP 66   IK 08

KEY ADVANTAGES

> **Range of luminaires for various urban applications**

> **LensoFlex®2: high-performance photometry**

> **FutureProof: smart upgradability**

> **Maximised savings in energy and maintenance costs**

> **Aesthetic design and high-quality finishing**

> **Connected-ready**

DIMENSIONS | MOUNTING

PIANO	Mini	Midi
A	584mm | 23"	717mm | 28.2"
B	87mm | 3.4"	87mm | 3.4"
C	277mm | 10.9"	277mm | 10.9"
KG	7kg | 15.4lbs	8.7kg | 17.6lbs

Ø60mm
Ø76mm

Ø42mm
Ø48mm
Ø60mm

DECORATIVE
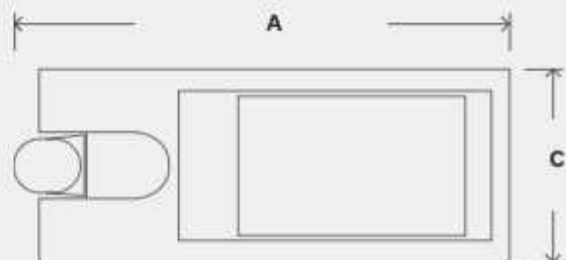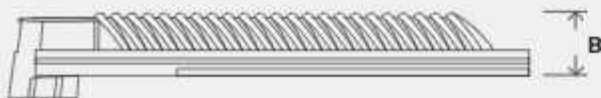
BRACKETS

With KORDA brackets, the PIANO luminaire creates aesthetical combinations suitable for numerous applications.

DESIGN HIGHLIGHTS

The photometric engine includes a flux enhancer to provide maximised performance without compromising on comfort.

Sustainable and recyclable materials: painted aluminium and an extra-clear glass protector.

PIANO is designed for side-entry or post-top mounting.

For maintenance, the PIANO luminaire can be opened to access internal components.

YOA

Design: Michel Tortel

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

Efficiency and style throughout the city

The YOA range offers a complete solution for lighting urban spaces with the same efficiency and the same astonishing elegance throughout the city.

From large avenues to narrow streets and squares, the various configurations (side-entry, post-top and catenary solutions) provide aesthetic ensembles to create a distinctive identity for the city landscape.

The YOA luminaire is equipped with the LensoFlex® photometric engine, which offers high-performance photometry optimised for each specific application with minimum energy consumption.

YOA	Midi	Maxi
Recommended installation height	4 to 15m / 13' to 49'	
Typical luminaire output flux (range)	500 to 15,300lm	3,300 to 25,300lm
Power consumption	8.7W to 116W	38W to 167W
Colour temperature	Warm white (727, 730, 822 and 830), or neutral white (740)	
Nominal voltage	120-277V / 220-240V / 347V 50-60Hz	
Surge protection	10kV	

UL 1598 CSA C22.2 No. 250.0 | UK CA | Di | IP 66 | IK 08 | IK 10

KEY ADVANTAGES

> **Maximised savings on energy and maintenance costs**

> **LensoFlex®2 offering high performance photometry, comfort and safety**

> **High-end aesthetic finish**

> **Flexible number of LED modules and photometry**

> **ThermiX® for long lasting performance**

> **Connected-ready**

DIMENSIONS | MOUNTING

YOA	Midi	Maxi
A	500mm	19.7"	650mm	25.6"
B	92mm	3.6"	92mm	3.6"
KG	13kg	28.6lbs	20kg	44lbs

Ø76mm

Ø48mm
Ø60mm

YOA Midi is also available with a catenary mounting.
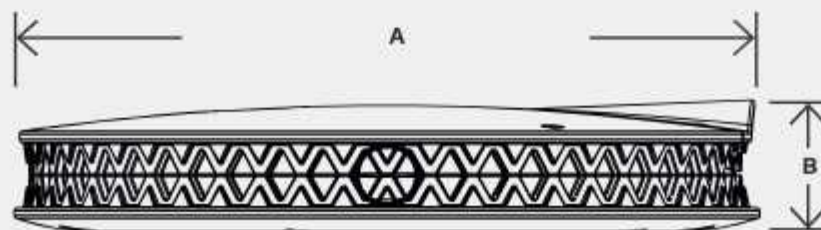
DECORATIVE

BRACKETS

With TRESSA brackets, the YOA luminaire creates aesthetical combinations suitable for numerous applications.

DESIGN HIGHLIGHTS

YOA offers numerous mounting options: post-top, side-entry and catenary.

YOA is available with TRESSA, LUCEA and LYRE brackets.

YOA offers a high-quality finish.

YOA can be fitted with a Back Light Control system to prevent intrusive light.

CITEA NG2

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

The iconic urban lighting luminaire gets a makeover

The CITEA NG2 luminaires are keeping their renowned pure urban design and getting a complete technical makeover to integrate the latest photometric and connectivity technology.

CITEA NG2 is equipped with innovative photometric engines, specifically developed to provide high visual performance while considerably reducing energy consumption. CITEA NG2 is also a connected-ready lighting solution, available with various connectivity options to bring urban lighting into the smart technology era and ease lighting management.

Following their predecessors' philosophy, the CITEA NG2 luminaires are designed to efficiently light various spaces where the safety and well-being of those using the environment are essential.

CITEA NG	Mini	Midi
Recommended installation height	4m to 12m | 13' to 39'	
Typical luminaire output flux (range)	900 to 21,200lm	900 to 21,100lm
Power consumption	10.5W to 173W	10.5W to 148W
Colour temperature	Warm white (722, 727, 730 and 830), or neutral white (740)	
Nominal voltage	120-277V / 220-240V / 347V 50-60Hz	
Surge protection	10 / 20kV	

UL 1598
CSA C22.2
No. 250.0

UK CA

IP 66   IK 10

> Timeless and elegant design for rural and urban environments

> Two sizes available: Mini and Midi

> Protector in extra-clear tempered glass for high performance

> Wide range of mounting options and brackets

> Low energy consumption

> FutureProof: photometric engine and electronic assembly are easy to replace on site

> Connected-ready for your future smart city requirements

> Zhaga-D4i certified

> Solar-powered variants

DIMENSIONS | MOUNTING

CITEA NG	Mini	Midi
A	500mm | 19.7"	595mm | 23.4"
B	160mm | 6.3"	185mm | 7.3"
KG	12kg | 26.4lbs	15kg | 33lbs

The CITEA NG range is available with numerous options for post-top, side-entry, catenary, wall or suspended mounting. Please consult us for more information.

DECORATIVE
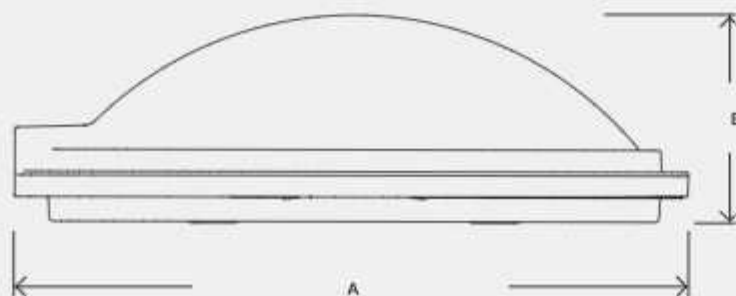
BRACKETS

With FLO brackets, the CITEA NG luminaire creates aesthetical combinations suitable for numerous applications.

DESIGN HIGHLIGHTS

CITEA NG2 is equipped with the latest photometric engines to provide the best performance.

CITEA NG2 benefits from a large range of mounting options and brackets.

The CITEA NG2 door can be fully removed to easily integrate any future technologies.

CITEA NG2 is a connected-ready luminaire integrating the latest connectivity options.

YMERA

MAIN APPLICATIONS

ROADS & MOTORWAYS	URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	CAR PARKS
SQUARES & PEDESTRIAN AREAS	BRIDGES	RAILWAY STATIONS & METROS	

Aesthetic appeal, comfort and efficiency

The YMERA luminaire features a refined design and state-of-the-art LED technology, providing an energy-efficient lighting solution that enhances city streets.

Suited to roads, public squares and other urban outdoor areas, YMERA enables high-quality lighting and a lower carbon footprint for towns and cities - creating a safe and attractive environment.

Scandinavian inspired, YMERA brings elegance to cities through four distinctive versions including an illuminated dome and a decorative skirt.

YMERA benefits from highly efficient light distributions that are compliant with stringent standards for glare control. This refined luminaire has been specifically developed to reduce disability glare and improve the quality of light.

YMERA

Recommended installation height	4 to 12m / 13' to 40'
Typical luminaire output flux (range)	1,300 to 14,400lm
Power consumption	18.1W to 105W
Colour temperature	Warm white (727, 730, 822 and 830) or neutral white (740)
Nominal voltage	220-240V – 50-60Hz
Surge protection	4 / 10kV

UKCA IP 66 IK 09 IK 10

> **Elegant and robust design with four aesthetic versions**

> **State-of-the-art LED technology for low energy consumption**

> **Broad range of lighting distributions**

> **High visual comfort: glare up to G*4 class, TI <6%**

> **Designed for side-entry and post-top mounting (depending on accessory)**

> **Supplied pre-wired to facilitate installation (optional quick-on connectors)**

> **Connected-ready**

DIMENSIONS | MOUNTING

YMERA	Basic	Dome + Skirt
A	568mm | 22.3"	573mm | 22.5"
B	116mm | 4.5"	190mm | 7.5"
C	462mm | 18.8"	472mm | 18.6"
KG	8kg | 17.6lbs	9kg | 19.8lbs

Ø76mm
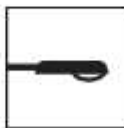
Ø42mm
Ø60mm

YMERA is available with numerous options for post-top, side-entry or suspended mounting. Please consult us for more information.

YMERA Basic

YMERA with Dome + Skirt

DECORATIVE
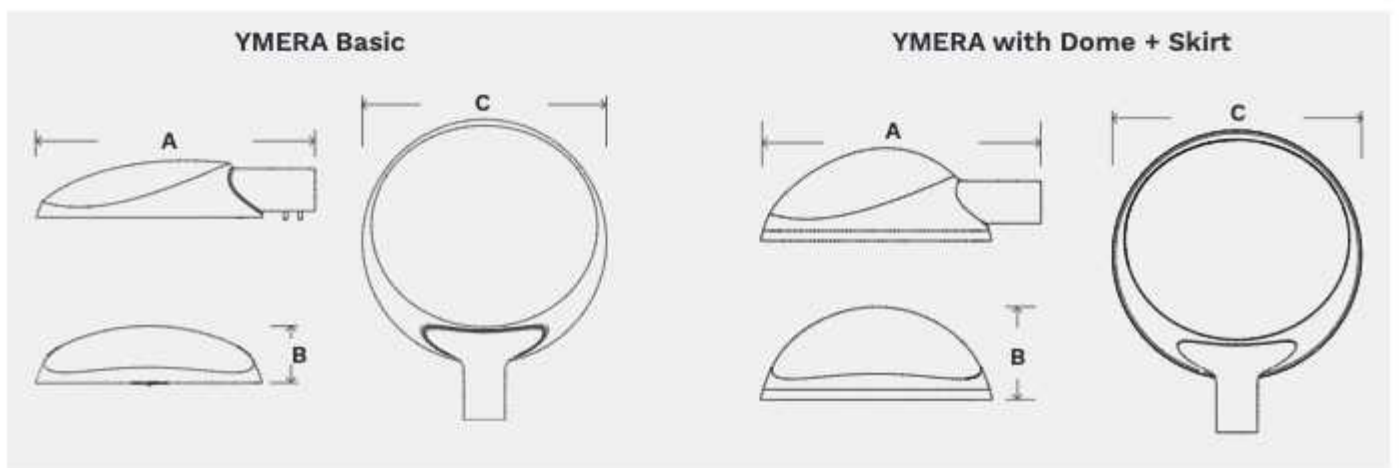
BRACKETS

With MILLA brackets, the YMERA luminaire creates aesthetical combinations suitable for numerous applications.

DESIGN HIGHLIGHTS

YMERA includes a universal Ø60mm slip-over fixation piece.

A penetrating fixation piece for a Ø60mm tube is available as an option for flush mounting.

YMERA is available with an illuminated dome (high-power LED) and a decorative skirt.

As an option to increase the lumen output, a flux enhancer can be placed around the LEDs.

HESTIA GEN2

Design: Elizabeth de Portzamparc

MAIN APPLICATIONS

ROADS & MOTORWAYS	URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	CAR PARKS
SQUARES & PEDESTRIAN AREAS	BRIDGES	RAILWAY STATIONS & METROS	

Elegant solution with cutting-edge LED technology

HESTIA GEN2 is a fluid, light and elegant LED luminaire designed to bring a touch of refinement to your urban spaces while helping you benefit from the advantages of the latest lighting innovations.

HESTIA GEN2 offers an economical lighting solution based on state-of-the-art photometric technologies. This luminaire is available with different lumen packages, all characterised by low energy consumption for high-quality photometric performance.

Available in 2 sizes (Mini and Midi), this outdoor LED lighting adapts to any kind of urban space. HESTIA GEN2 is a connected-ready luminaire that can be fitted with various remote control technologies to enable perfectly optimised urban lighting management.

HESTIA LED	MINI	MIDI
Recommended installation height	4 to 12m / 13' to 39'	
Typical luminaire output flux (range)	900 to 8,800lm	2,600 to 14,2000lm
Power consumption	10W to 62W	25W to 102W
Colour temperature	Warm white (722, 727, 730 and 830) or neutral white (740)	
Nominal voltage	120-277V / 220-240V / 347V / 50-60Hz	
Surge protection	10kV	

UL 1598 CSA C22.2 No. 250.0 | UKCA | ENEC | IP 65 | IK 08

KEY ADVANTAGES

> **Elegant design incorporating the advantages of LED technology**

> **Low energy consumption**

> **Range with two sizes and numerous lumen packages**

> **Proven LensoFlex®4 photometrical engines**

> **Connected-ready for your future smart city requirements**

> **Compatible with the Schréder EXEDRA control platform**

> **Zhaga-D4i certified**

DIMENSIONS | MOUNTING

HESTIA GEN2	Mini	Midi
A	780mm | 30.7"	925mm | 36.4"
B	139mm | 5.5"	166mm | 6.5"
C	266mm | 10.5"	324mm | 12.8"
KG	7kg | 15.4lbs	10kg | 22lbs

Ø34mm

DECORATIVE

ALBANY

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES
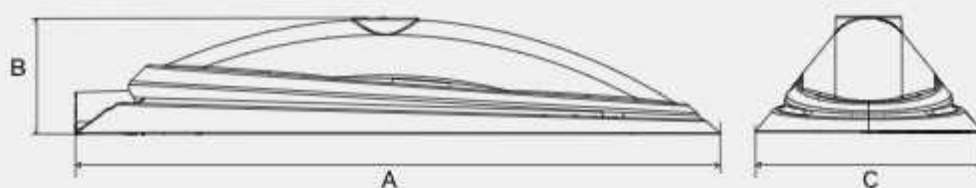
RAILWAY STATIONS & METROS

A versatile best-seller converted to connected LED technology

A classic of the Victorian era, ALBANY is notable for its versatility.

Available in two sizes, with a range of LED photometric engines and a timeless design, it is suitable for large urban centres as well as villages or towns.

Adopted from Spain to China and from Brazil to Malaysia, the design of the ALBANY luminaires please at every latitude.

Now equipped with state-of-the-art LED technology, this classic luminaire is ready to improve the quality, comfort and safety of your lighting installation while offering significant energy savings and reduced CO_2 emissions.

ALBANY LED	ALBANY GEN2 Midi	ALBANY LED Maxi
Recommended installation height	4 to 10m / 13' to 33'	
Typical luminaire output flux (range)	600 to 15,600lm	800 to 11,800lm
Power consumption	8W to 114W	11W to 101W
Colour temperature	Warm white (722, 727, 730, 822 and 830) or neutral white (740)	
Nominal voltage	220-240V / 50-60Hz	
Surge protection	10kV	

UK CA · EDi · IP 66 · IK 08 · IK 10

KEY ADVANTAGES

> A classic shape with the advantages of LED technology

> Low energy consumption

> Photometric engines adapted to various applications

> Two sizes for aesthetic coherence

> Robust, recyclable materials

> Numerous mounting options (various post-top or suspended)

> Connected-ready (ALBANY GEN2 Midi only)

> Zhaga-D41 certified (ALBANY GEN2 Midi only)

DIMENSIONS | MOUNTING

ALBANY	GEN2 Midi	LED Maxi
A	555mm	21.9"	700mm	27.6"
B	629mm	24.8"	650mm	25.6"
KG	8.8-11.8kg	19.4-26lb	10kg	22lb

Ø60mm
Ø76mm
Ø89mm
Ø101mm

ALBANY is available with numerous options for post-top, suspended or catenary mounting. Please consult us for more information.

DECORATIVE
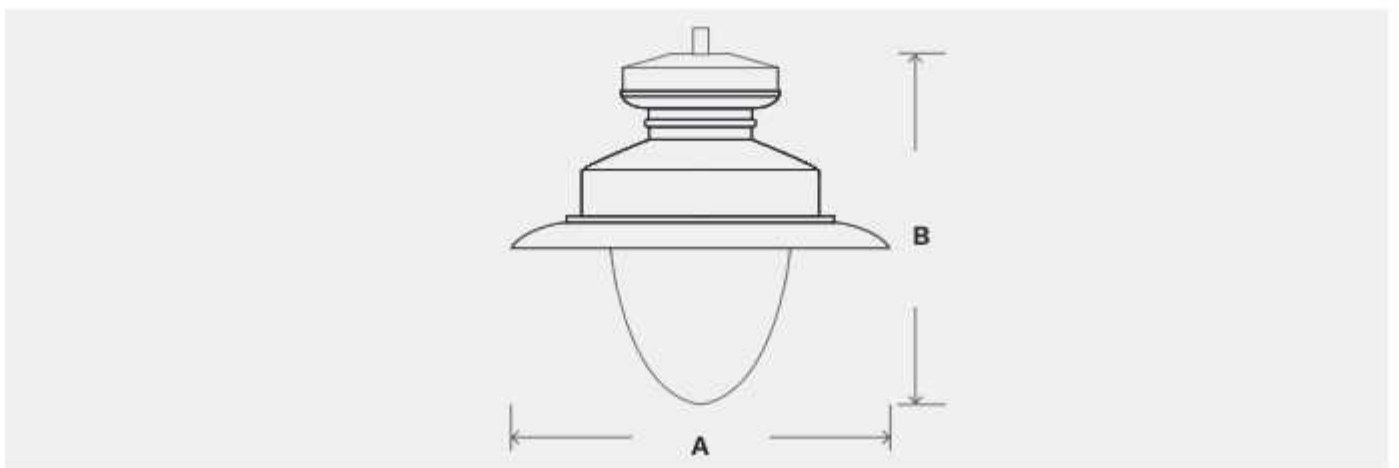
DESIGN HIGHLIGHTS

Two sizes to offer the best solution for every application.

ALBANY can be mounted using suspended, catenary and post-top fixations.

ALBANY is available with a wide range of optics.

Easy access to the LED engine and control gear.

ALBANY (GEN2 Midi) is a connected-ready luminaire with both NEMA and Zhaga options.

ALBANY (GEN2 Midi) meets the requirements of a circular economy.

CIRCLELIGHT

DEXO

Design: Thomas Coulbeaut

ROADS & MOTORWAYS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

A modern identity for efficient catenary LED lighting

The DEXO luminaire uses state-of-the-art LED technology to provide cost-effective lighting for urban catenary applications.

The combination of a pure and elegant design with the high-performance LensoFlex® LED photometric engine increases safety and comfort while creating a distinctive identity in the city.

Made of robust, recyclable materials - die-cast aluminium and glass - DEXO offers efficient lighting with dramatic energy savings compared with luminaires equipped with traditional light sources.

The DEXO can be equipped with its suspension in transversal or axial orientation to suit most applications in urban lighting.

The flexible combinations of LED configurations, driving currents and dimming options make DEXO the perfect tool for improving safety and comfort while reducing the ecological footprint.

DEXO

Recommended installation height	4 to 10m / 13' to 33'
Typical luminaire output flux (range)	3,800 to 12,700lm
Power consumption	35W to 96W
Colour temperature	Warm white 730 or neutral white 740
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

IP 66 STANDARD VERSION IK 07 ON REQUEST IK 08

> **Elegant design for catenary lighting solutions**

> **Maximised savings in energy and maintenance costs**

> **LensoFlex®2 offering high performance photometry, comfort and safety**

> **Symmetrical or asymmetrical light distributions**

> **FutureProof : smart upgradability**

> **Durable and recyclable materials**

DIMENSIONS | MOUNTING

DEXO

A	672mm | 26.4"
B	196mm | 7.7"
C	352mm | 13.8"
KG	11.5kg | 25.3lbs
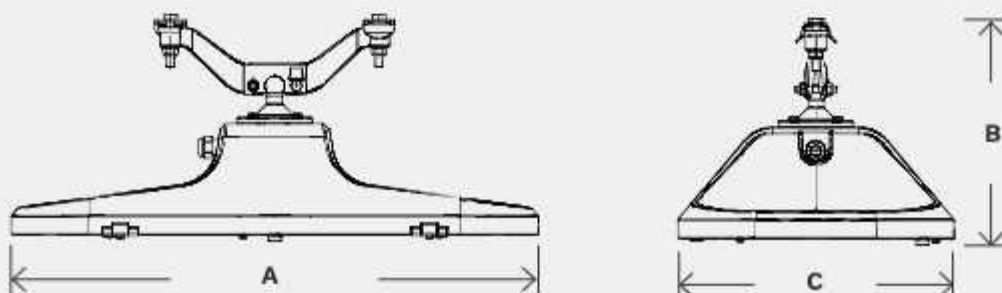
MODULLUM

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

Combining all lighting needs in a single column

The MODULLUM range offers a lighting system for the creativity of architects and city planners.

Reducing the quantity of poles and organising urban furniture in an optimal manner are key issues for preserving open spaces and making them as welcoming as possible.

The MODULLUM column provides a comprehensive solution for a variety of applications throughout the city.

Thanks to multiple lighting configurations, it can potentially meet every need in the urban space.

The versatility of MODULLUM, with its different modules as well as variable diameters and heights of up to 9.5 metres, guarantees a perfect match between the column and its architectural environment.

MODULLUM is available in four sizes and can be equipped with one to five modules which swivel around 360° so as to better fit the desired function: lighting roads and squares, illuminating façades or accentuating objects.

MODULLUM offers a broad palette of light distributions for each of its configurations.

MODULLUM	
Typical luminaire output flux (range) (for 1 module)	600 to 6,300lm
Power consumption (for 1 module)	10W to 65W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 120-277V 50-60Hz
Surge protection	10kV

UL 1598 CSA C22.2 No. 250.0 | IP 65 | PMMA IK 07 | GLASS IK 08 | PC IK 10

KEY ADVANTAGES

> **Multiple configurations:** 4 sizes with up to 5 modules per column

> **Designed for multi-purpose lighting:** from ambiance to architectural and street lighting

> **Total versatility with 360° rotatable modules**

> **Adjustable on site (spot module)**

> **Durable, recyclable and robust materials**

> **Easy installation and maintenance**

DIMENSIONS | MOUNTING

MODULLUM	Micro	Mini	Midi	Maxi
A	Ø127mm | 5"	Ø127mm | 5"	Ø178mm | 7"	Ø245mm | 9.6"
B	370mm | 14.5"	370mm | 14.5"	460mm | 18.1"	610mm | 24"
Number of modules	1	1-4	1-4	1-5
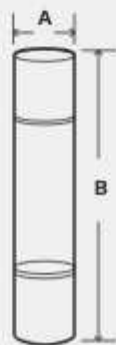
AMBIANCE LIGHTING

ARCHITECTURAL LIGHTING

STREET LIGHTING

DECORATIVE

RIVARA

MAIN APPLICATIONS

URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	CAR PARKS
SQUARES & PEDESTRIAN AREAS	BRIDGES	RAILWAY STATIONS & METROS

Refined design and LED technology: the ideal combination for urban lighting

With its simple but very elegant linear design, RIVARA provides a complete range of luminaires to light diverse landscapes.

The RIVARA luminaire is available with a single or double bracket. A wall bracket is also available to maintain aesthetic consistency in areas where poles cannot be installed. A bollard of 1.25m complements the range and provides a solution for pathways and surrounding areas.

This winning combination of performance, design and flexibility enables the RIVARA range to light streets, residential areas, parks, bicycle and pedestrian paths with a better quality of light.

Furthermore, it generates energy savings and reduces the ecological footprint with perfect aesthetic integration into the environment.
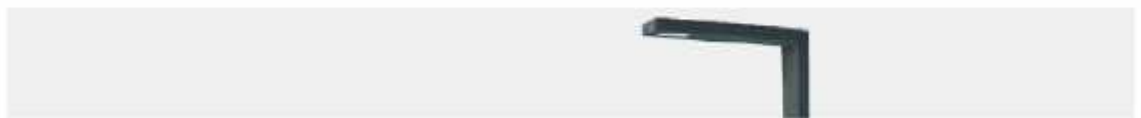
RIVARA

Recommended installation height	4 to 6m / 13' to 20'
Typical luminaire output flux (range)	800 to 6,600lm
Power consumption	9.7W to 53W
Colour temperature	Warm white (727, 730 and 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

UK CA | IP 66 | IK 08

> **Pure and simple design**

> **Elegant and comfortable solution for creating ambiance**

> **LensoFlex®2 photometric engine with photometry adapted to various applications**

> **FutureProof: easy replacement of photometric engine and power supply on site**

> **ThermiX® for long lasting performance**

DIMENSIONS | MOUNTING

RIVARA	Bollard (1.25m)	Luminaire
A	350mm | 13.8"	1100mm | 43.3"
B	100mm | 3.9"	100mm | 3.9"
C	180mm | 7.1"	180mm | 7.1"
KG	23.5kg | 51.7lbs	16kg | 35.2lbs
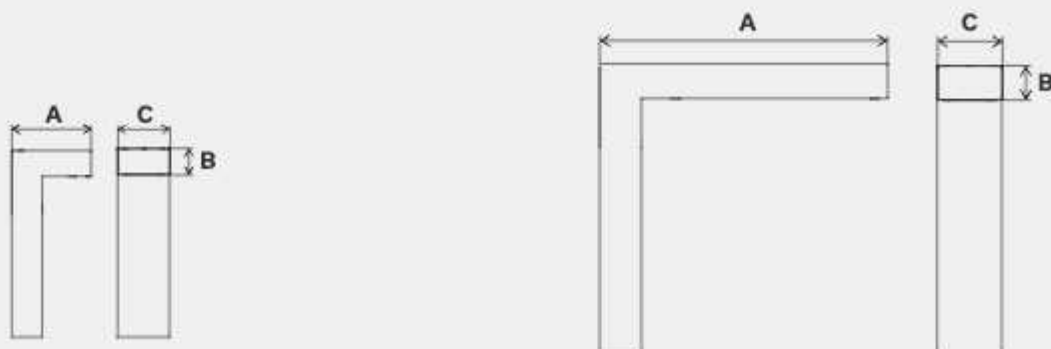
DECORATIVE

BORA

Design and safety in a single column

BIKE & PEDESTRIAN PATHS

CAR PARKS

BRIDGES

SQUARES & PEDESTRIAN AREAS

The BORA family of bollards, available in 4 sizes and fitted with LEDs integrated into a perforated structure, constitutes a highly original mode of expression.

By day, the design and pure form of the bollards make a distinctive statement. Once night has fallen, they combine aesthetics and functionality.

The tallest model (3 metres) facilitates facial recognition, thereby creating a sense of safety. Visual comfort is created through a smart mix of white and blue sources distributed up and down the column.
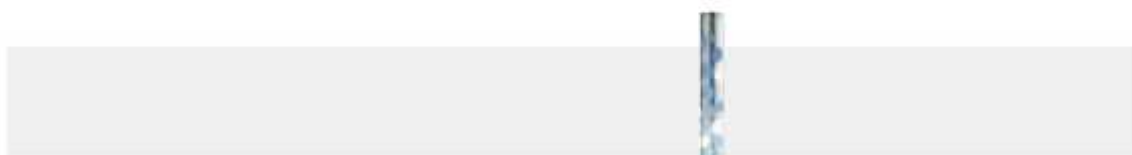
BORA

Typical luminaire output flux	300 to 2,300lm
Power consumption	8W to 33W
Colour temperature	Warm or neutral white
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

IP 66   IK 08

> Symmetrical and asymmetrical light distributions

> Excellent facial recognition (3m model)

> Visual comfort

> Minimal power consumption

> Aesthetic design by day and night

> Range of 4 models to cater for all types of application

DIMENSIONS | MOUNTING

BORA	Micro	Mini	Midi	Maxi
A	Ø160mm | 6.5"	Ø115mm | 4.5"	Ø115mm | 4.5"	Ø115mm | 4.5"
B	250mm | 9.8"	600mm | 2'	1100mm | 3.6'	3000mm | 10'
KG	2.5kg | 4.4lbs	5.4kg | 11.9lbs	9.1kg | 20lbs	25kg | 55lbs

DECORATIVE

BORA EXPLORA GEN2

The modern lighting bollard that blends into your urban landscape

BORA EXPLORA GEN2 allies a modern shape with a discreet design to subtly blend into any landscape.

This lighting bollard has been designed to efficiently light urban spaces such as parks, squares, pedestrian areas, bike path and city centres. It delivers the right lumen package to gently guide people through your city and create a feeling of well-being and security. Available with one or two LED lighting modules, this inventive bollard is capable of delivering lighting with an orientation of up to 180°.

MAIN APPLICATIONS

BIKE & PEDESTRIAN PATHS

CAR PARKS

BRIDGES

SQUARES & PEDESTRIAN AREAS
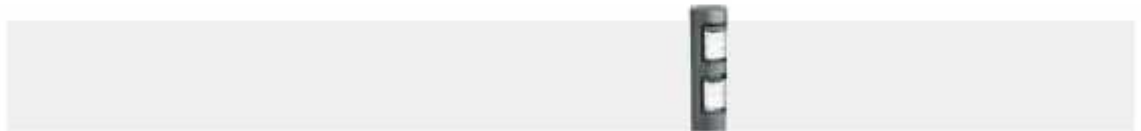
BORA EXPLORA GEN2

Typical luminaire output flux	400 to 1000lm
Power consumption	9.9W to 18W
Colour temperature	Warm white (727 and 730) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

IP 66   IK 08

> Extra high tightness level (IP 67)

> Robust yet discreet design to blend into any environment

> Specifically conceived for lighting urban spaces

> No light pollution

DIMENSIONS | MOUNTING

BORA EXPLORA
GEN2

A	Ø250mm	9.8"
B	1020mm	40.2"
C	Ø250mm	9.8"
KG	6.7kg	14.7lbs

DECORATIVE

PERLA

Design: Michel Tortel

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

A precious ring in the urban night

The distinctive design of PERLA guarantees a valuable presence in the public space.

PERLA's sober and pure line plays an important aesthetic role both by day and night.

By day, the luminaire's curve allows the sky and the architectural environment to peek through.

By night, the circular arrangement of the LEDs gives life to a ring of light that floats in the darkness of the city.

Depending on the chosen photometry, PERLA meets the requirements for lighting streets, squares and parks.

As an option, PERLA can be equipped with a ring of blue or RGB low-power LEDs that accentuate the luminaire's nocturnal presence.

PERLA

Recommended installation height	4 to 6m / 13' to 20'
Typical luminaire Output flux (range)	5,800lm
Power consumption	73W
Colour temperature	Warm white 830
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

OPTICAL COMPARTMENT IP 66   GEAR COMPARTMENT IP 44   IK 09

KEY ADVANTAGES

> Aesthetic design

> Creation of ambiance

> Low height solution

> Variable intensity and flexible programming

> Low energy consumption

DIMENSIONS | MOUNTING

PERLA

A	660mm | 26"
B	322mm | 12.7"
C	557mm | 21.9"
KG	8kg | 17.6lbs

Ø76mm
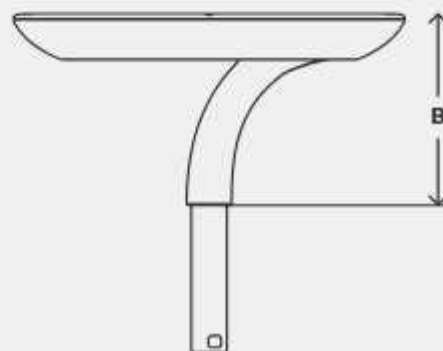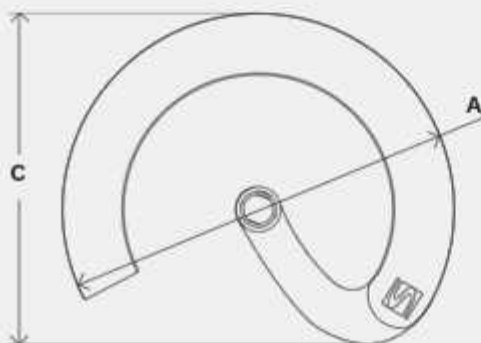
DECORATIVE

CALLA LED

MAIN APPLICATIONS

URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	CAR PARKS
SQUARES & PEDESTRIAN AREAS	BRIDGES	RAILWAY STATIONS & METROS

Indirect LED lighting solution for a convivial ambiance

The CALLA LED luminaire can incorporate a direct or an indirect photometric engine to attractively light residential neighbourhoods, parks, urban centres and more.

This elegant, organic luminaire ensures a distinctive presence in public spaces, both by day and at night. The indirect lighting guarantees pleasant, glare-free ambiance lighting, while the direct version provides the right lumen package to light your urban spaces.

CALLA LED is especially designed for stylish, decorative lighting where performance, aesthetics and light pollution factors are important criteria.

CALLA LED

Recommended installation height	3.5 to 5m / 10' to 16'
Typical luminaire Output flux (range)	1,800 to 5,400lm
Power consumption	18W to 38W
Colour temperature	Warm white (730 and 830) or neutral white 740
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

UK CA · ⚡Di · IP 66 · IK 07

KEY ADVANTAGES

> IP66 tightness level

> ThermiX® to maintain performance over time

> Supplied pre-wired to facilitate installation

> FutureProof: easy replacement of the photometric engine and electronic assembly

> Tool-free access for maintenance

> Connected-ready for your future smart city requirements

> Indirect or direct lighting

DIMENSIONS | MOUNTING

CALLA LED

A	593mm	23.3"
B	881mm	34.7"
KG	11kg	24.2lbs

Ø60mm
Ø76mm

Cylindrical stepped pole
Ø60mm/2"

Tapered pole

DECORATIVE
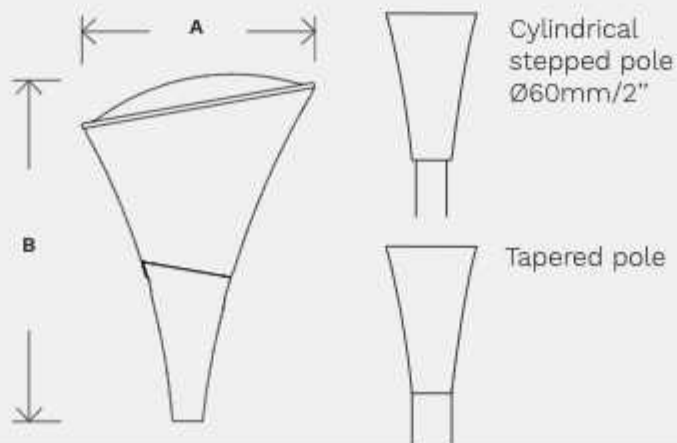
DESIGN HIGHLIGHTS

CALLA LED offers slip-over mounting onto a Ø60mm or Ø76mm (with adapter) spigot.

CALLA LED provides direct or indirect lighting.

CALLA LED can be easily opened, without any tools, for maintenance.

The CALLA LED luminaire (direct lighting models only) is available with a NEMA or a Zhaga socket (Zhaga-D4i compliant luminaire).

ZYLINDO

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

A classic design integrating the latest technology

With two timeless aesthetic designs, ZYLINDO blends into any kind of urban environment.

ZYLINDO has been designed to provide efficient and sustainable lighting for various urban applications.

With a very high degree of impact resistance and a high tightness level, this luminaire is built to withstand harsh environmental conditions and vandalism to perform over time.

The elegant cylindrical shape with a 360° clear protector hosts the proven LensoFlex® photometric engine, providing symmetrical and asymmetrical light distributions.

ZYLINDO is available as a smooth cylinder or with a large canopy. Both versions are delivered pre-wired. They offer tool-free access to the optical unit and gear compartment to facilitate maintenance operations.

ZYLINDO

Recommended installation height	3m to 6m / 10' to 20'
Typical luminaire output flux (range)	500 to 6,600lm
Power consumption	9.8W to 53.5W
Colour temperature	Warm white (727, 730, 822 and 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	6 / 8 / 10kV

UKCA   Z:Di   IP 66   IK 10

> **Elegant and robust design** with 2 aesthetic versions

> **State-of-the-art LED technology** for low energy consumption

> **LensoFlex®2 photometric engine** providing asymmetrical and symmetrical lighting distributions

> **Optional internal diffusor** for high visual comfort

> **Designed for mounting** on both Ø60mm (with an accessory) and Ø76mm spigots

> **Supplied pre-wired** to facilitate installation

> **Connected-ready**
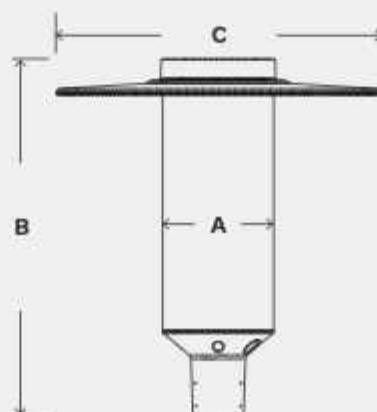
DIMENSIONS | MOUNTING

ZYLINDO

A	220mm	8.7"
B	708mm	27.9"
C	644mm	25.4"
KG	Smooth cylinder version 7.8kg	15.4lbs Large canopy version 9.2kg	20.2lbs

Ø60mm
Ø76mm

DECORATIVE

MAIN APPLICATIONS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

The perfect addition

Designed to light roads, streets, squares and other places where creating a pleasant atmosphere is a key element, the post-top version of the SHUFFLE is an elegant cylindrical luminaire that blends into any environment.

Based on the 360° module of the SHUFFLE column, it offers the same design, technical characteristics and lighting distributions. SHUFFLE Post-Top benefits from a wide range of photometries and provides aesthetic consistency in environments lit by both the luminaire and column versions of the SHUFFLE.

The SHUFFLE Post-Top luminaire is available as a smooth cylinder or with a large canopy. Like the SHUFFLE column, this street lighting solution offers control options for stand-alone, autonomous and interoperable networks (remote management).
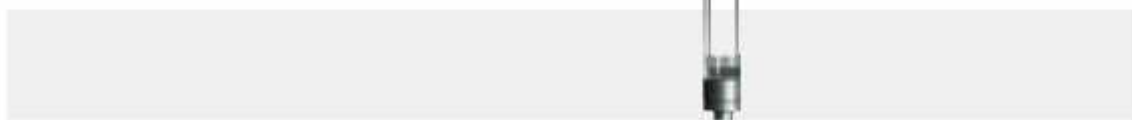
SHUFFLE Post-Top

Recommended installation height	3 to 6m / 10' to 20'
Typical luminaire output flux (range)	1,500 to 8,100lm
Power consumption	18W to 68W
Colour temperature	Warm white (727, 730 and 830) or neutral white 740
Nominal voltage	120-277V / 220-240V / 50-60Hz
Surge protection	10 / 20kV

UL 1598 CSA C22.2 No. 250.0 · UKCA · eDi · IP 66 · PMMA IK 06 · POLYCARBONATE IK 10

> **Perfect complement to the SHUFFLE column**

> **Elegant and robust design with 2 aesthetic versions**

> **State-of-the-art LED technology for low energy consumption**

> **LensoFlex® photometric engines providing asymmetrical and symmetrical light distributions**

> **Optional sanded protector for enhanced visual comfort**

> **Connected-ready**

DIMENSIONS | MOUNTING

SHUFFLE Post-Top

	Without canopy	With canopy
A	194mm | 7.6"	700mm | 27.6"
B	816mm | 32.1"	816mm | 32.1"
C	194mm | 7.6"	700mm | 27.6"
KG	8kg | 17.6lbs	9.8kg | 21.6lbs

Ø60mm
Ø76mm

OYO

Design: Michel Tortel

MAIN APPLICATIONS

URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	CAR PARKS
SQUARES & PEDESTRIAN AREAS	BRIDGES	RAILWAY STATIONS & METROS

## The perfect match between elegance and performance

OYO follows in the steps of the successful range of post-top luminaires developed by Schréder.

This new smart luminaire has been designed to blend into any urban area where its sophisticated outline will enhance the environment.

With its arched design on two refined supports, this new decorative luminaire brings a contemporary touch of elegance to the city.

Based on the proven LensoFlex® photometric engines, OYO offers a wide range of light distributions to provide a harmonious compromise between safety, comfort and energy efficiency for various environments. As an option, OYO can be equipped with various control options for even more efficiency.

It can also be fitted with an integrated PIR sensor for light-on-demand scenarios.
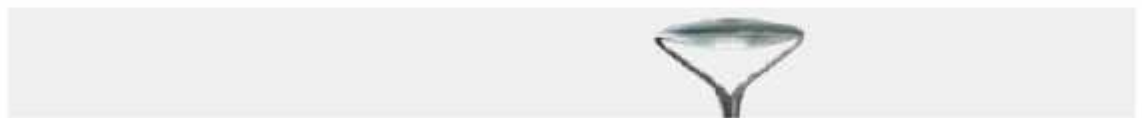
OYO

Recommended installation height	4 to 8m / 13' to 26'
Typical luminaire output flux (range)	800 to 10,100lm
Power consumption	11W to 80W
Colour temperature	Warm white (722, 727, 730 and 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

			UKCA		IP 66	IK 10

KEY ADVANTAGES

> **Elegant and robust design by Michel Tortel**

> **State-of-the-art LED technology for low energy consumption**

> **LensoFlex® photometric engines providing asymmetrical and symmetrical light distributions**

> **Supplied pre-wired to facilitate installation**

> **Integrated motion detection sensor (option)**

> **Connected-ready**

DIMENSIONS | MOUNTING

OYO

A	610mm | 24"
B	440mm | 17.3"
C	610mm | 24"
KG	10kg | 22lbs

Ø60mm

DECORATIVE

HAPILED

Design: Michel Tortel

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

Ambiance combined with energy performance

Atmosphere, comfort and energy savings to ideally replace the opal sphere luminaire.

Lighting parks, squares and residential areas requires a specific approach that is very different from lighting roads.

The creation of ambiance plays a prominent role.

However, this must not be done at the expense of efficiency.

The age of the opal sphere luminaire with high energy consumption and a source of light pollution is gone forever.

HAPILED, an economical, aesthetic, robust and efficient LED solution, is here to replace it.

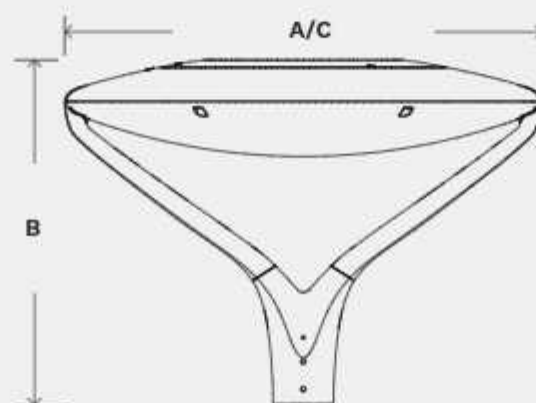| HAPILED	
Recommended installation height	3 to 5m / 10' to 16'
Typical luminaire output flux (range)	800 to 12,400lm
Power consumption	11.4W to 105W
Colour temperature	Warm white (727, 730, 827 and 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

UK CA   IP 66   IK 10

> Elegant and comfortable solution for creating a warm ambiance

> Low energy consumption

> Low light pollution (ULOR 3%)

> Several light distributions

> FutureProof: designed for on-site replacement of the LED photometric engine

> Luminaire supplied pre-wired to facilitate installation

> Connected-ready

DIMENSIONS | MOUNTING

HAPILED	Post-top	Wall-mounted
A	410mm	16.1"	645mm	25.4"
B	556mm	21.9"	Ø270mm	10.6"
KG	6kg	13.2lbs	-

Ø60mm
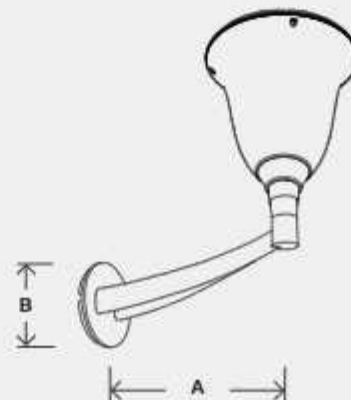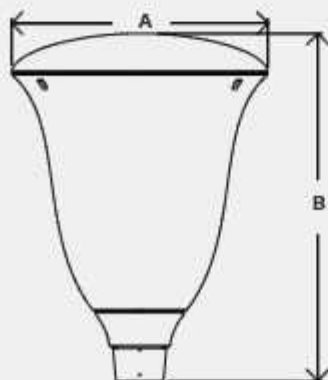
DECORATIVE

PILZEO

Design: Achilles Design

URBAN &
RESIDENTIAL
STREETS

BIKE &
PEDESTRIAN
PATHS

CAR PARKS

SQUARES &
PEDESTRIAN
AREAS

BRIDGES

RAILWAY
STATIONS &
METROS

Elegant and cost-effective solution with cutting-edge LED technology

The PILZEO post-top luminaire transforms the classic 'mushroom' lantern into a contemporary design. Based on the proven LensoFlex® LED engine, PILZEO ensures photometric performance to provide safety and well-being in the public space.

The name PILZEO refers directly to the `Pilzleuchte' - literally `mushroom luminaire' - a very popular type of lantern in German-speaking countries.

This classical form has been refreshed to provide aesthetic continuity while generating massive energy savings.

The PILZEO luminaire is adapted to various urban landscapes such as residential areas, parks, squares, bicycle paths and historical urban centres.

PILZEO

Recommended installation height	3 to 5m / 10' to 16'
Typical luminaire output flux (range)	1100 to 7,800lm
Power consumption	10W to 64W
Colour temperature	Warm white (727, 730 and 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

UKCA | IP 66 | IK 08

> Cost-effective lighting solution for the creation of ambiance

> Elegant design for low height installation
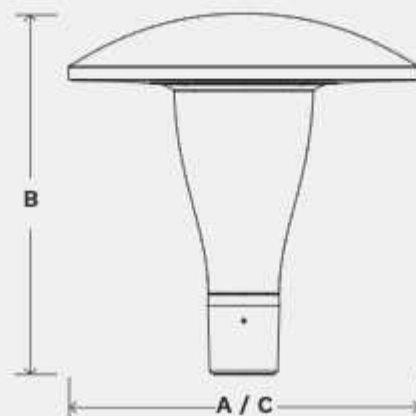
> Tool-free access for maintenance

> Connected-ready

DIMENSIONS | MOUNTING

PILZEO

A	524mm | 20.7"
B	539mm | 21.3"
C	524mm | 20.7"
KG	6.7kg | 14.7lbs

Ø60mm
Ø76mm

DECORATIVE

ALURA LED

Design: Michel Tortel

MAIN APPLICATIONS

URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	CAR PARKS
SQUARES & PEDESTRIAN AREAS	BRIDGES	RAILWAY STATIONS & METROS

Ambiance lighting, combining comfort and efficiency

The ALURA LED luminaire combines efficiency, aesthetics and visual comfort.

With its timeless elegance and its high performance photometry, this luminaire is a distinctive tool for lighting urban centres, squares, bike paths, residential streets and car parks.

Available with a striated polycarbonate protector, ALURA LED creates a warm ambiance while generating significant energy savings. It ensures safety and well-being in public spaces in the most sustainable way.

ALURA LED

Recommended installation height	3 to 5m / 10' to 16'
Typical luminaire output flux (range)	800 to 7,700lm
Power consumption	10.9W to 74W
Colour temperature	Warm white (727, 730 and 830) or neutral white (740)
Nominal voltage	120-277V / 220-240V / 50-60Hz
Surge protection	10 / 20kV

UL 1598 CSA C22.2 No. 250.0   UK CA   IP 66   IK 10

KEY ADVANTAGES

> Cost-effective lighting solution for the creation of ambiance

> Elegant design for low height installation

> IP 66 tightness level for long lasting performance
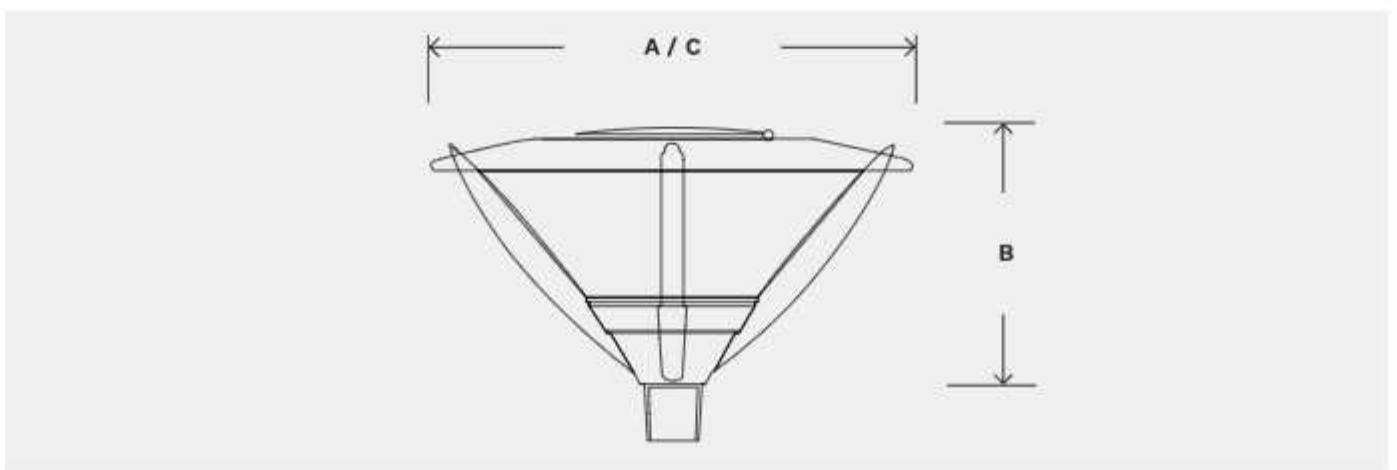
> Tool-free access for maintenance

> Connected-ready

DIMENSIONS | MOUNTING

ALURA LED

A	695mm | 27.4"
B	456mm | 18"
C	695mm | 27.4"
KG	15kg | 33lbs

Ø60mm

DECORATIVE

ISLA LED

MAIN APPLICATIONS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

Elegant, economical solution with cutting-edge LED technology

The ISLA LED luminaire is an economical lighting solution based on LED technology.

It is available with numerous light distributions, all characterised by low energy consumption and high-quality photometric performance.

Designed by Michel Tortel, the ISLA LED luminaire presents an elegant design that perfectly integrates into many urban and residential environments.

The ISLA LED luminaire is composed of aluminium and glass.

ISLA LED	
Recommended installation height	4 to 6m / 13' to 20'
Typical luminaire output flux (range)	1,600 to 5,900lm
Power consumption	18.1W to 50W
Colour temperature	Warm white (727, 730 and 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

UK CA IP 66 IK 08

> **Perfect control of light distributions**

> **Low energy consumption**

> **LensoFlex®2: high-performance photometry adapted to various applications**

> **Elegant design for low height installation**

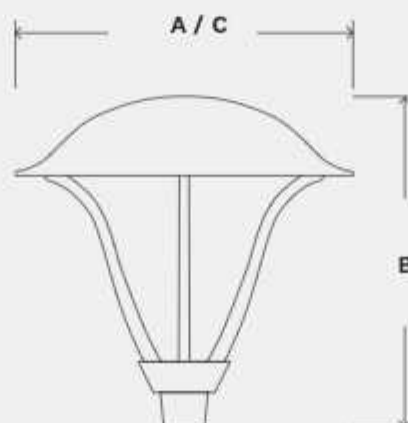> **No light pollution (ULOR 0 %)**

> **Connected-ready**

DIMENSIONS | MOUNTING

ISLA LED

A	647mm	25.5"
B	636mm	25"
C	647mm	25.5"
KG	9.5kg	20.9lbs

Ø60mm
Ø76mm

DECORATIVE

KIO LED

Designer: Grandesign

Elegance, comfort, creation of ambiance and performance

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

The clean, fluid lines of the KIO LED luminaire adapt to various urban landscapes such as parks, squares, gardens and residential areas.

KIO LED combines the energy efficiency of LED technology with the photometric performance of the LensoFlex® concept developed by Schréder.

This luminaire offers photometric efficiency with visual comfort for the creation of ambiance. It is available with multiple light distributions that provide excellent photometric performance.

KIO LED

Recommended installation height	3 to 5m / 10' to 16'
Typical luminaire output flux (range)	800 to 9,200lm
Power consumption	9.8W to 70W
Colour temperature	Warm white (727, 730 and 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

UKCA | IP 66 | IK 06 | IK 09

KEY ADVANTAGES

- > **LensoFlex®2: high-performance photometry adapted to various applications**
- > **Visual comfort**
- > **Creation of ambiance**
- > **Limited maintenance**
- > **FutureProof: easy replacement of the photometric engine and electronic assembly**
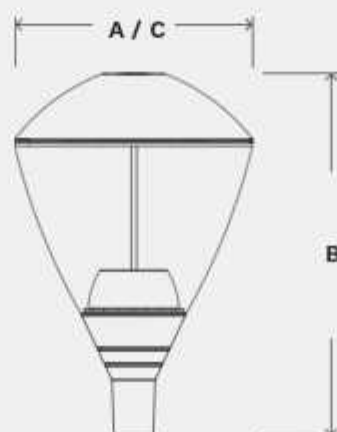- > **Connected-ready**

DIMENSIONS | MOUNTING

KIO LED

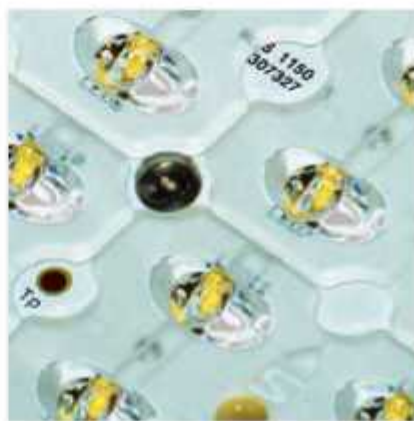|	
A	460mm | 18.1"
B	703mm | 27.7"
C	460mm | 18.1"
KG	8.2kg | 18lbs

Ø60mm

DECORATIVE

DESIGN HIGHLIGHTS

KIO LED can incorporate various control and dimming options.

KIO LED is available with a wide range of LensoFlex®2 optics.

This luminaire offers slip-over mounting onto a Ø60mm spigot.

KIO LED is available in two versions: direct and comfort (high visual comfort).

FRIZA

Designer: Achilles Design

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

Modern classic design for cost-effective residential lighting

Designed to light various urban landscapes such as residential areas, parks, squares, bicycle paths and urban historical centres, the FRIZA luminaire combines timeless design with the energy efficiency of LED technology.

The name FRIZA refers to Friesland, a Dutch province and one of the many regions where the original conical 'Kegel' luminaire remains very popular.

This classical shape is now refreshed to provide aesthetic continuity while generating massive energy savings.

FRIZA ensures photometric performance and comfort (low glare) to offer safety and well-being in the public space.

The robust design of the FRIZA luminaire guarantees maintained performance over time.

FRIZA

Recommended installation height	3 to 5m / 10' to 16'
Typical luminaire output flux (range)	900 to 7,100lm
Power consumption	10.4W to 49W
Colour temperature	Warm white (727, 730 and 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

IP 66   IK 08

DIMENSIONS | MOUNTING

FRIZA

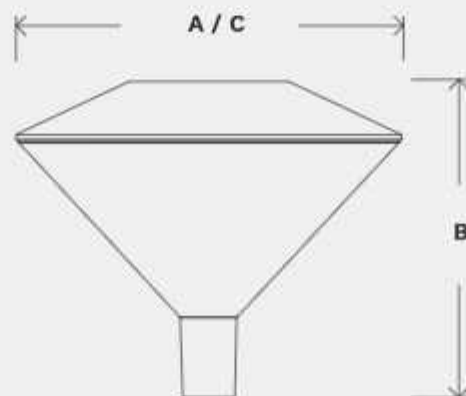|	
A	564mm | 22.2"
B	462mm | 18.2"
C	564mm | 22.2"
	9kg | 19.8lbs

Ø60mm

A / C

B

DECORATIVE

DESIGN HIGHLIGHTS

FRIZA ensures performance and comfort with its clear protector and internal diffuser.

The luminaire is supplied pre-wired to facilitate installation.

FRIZA offers a slip-over mounting onto Ø60mm spigots.

An integrated hinge retains the canopy and prevents it from falling when opened.

INOA LED

Design: Michel Tortel

Elegance, comfort, creation of atmosphere and efficiency

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

While delivering a high degree of visual comfort, INOA LED enables significant energy savings compared to equivalent luminaires fitted with traditional light sources.

The INOA LED luminaire is available in a wide range of versions. The diffuser bowl can be equipped with an additional clear or striated protector. This second protector surrounds the luminaire with subtle charm.

At night, the magic happens: when one approaches it, the drop of light in the protector seems to move under the play of the reflections.

These various configurations are combined with two sizes of top canopy: small or large.

The discreet elegance of the INOA LED luminaire makes it an ideal choice for enhancing any landscape. It offers several light distributions to meet the requirements for lighting parks and squares as well as urban and residential areas.

INOA LED

Recommended installation height	3.5 to 5m / 11' to 16'
Typical luminaire output flux (range)	700 to 9,900lm
Power consumption	11W to 75W
Colour temperature	Warm white (727, 730 and 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

UKCA   IP 66   IK 08

> **High visual comfort**
> **Low power consumption**
> **Multiple configurations**
> **Magic of light thanks to protector**
> **FutureProof: easy replacement of the photometric engine and electronic assembly**
> **Easy maintenance**
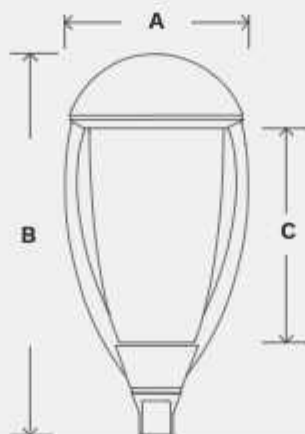
DIMENSIONS | MOUNTING

INOA LED

A	431mm	16.9"
B	903mm	35.5"
C	533mm	21"
KG	11.5-15kg	25.3-33.1lbs

Ø60mm

DECORATIVE

STYLAGE

Design: Michel Tortel

MAIN APPLICATIONS

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

Style and performance for a new age

With its typical 4-faced design, the STYLAGE luminaire brings classical style lanterns into the 21st century.

Thanks to its modern twist on a classic design, the STYLAGE urban luminaire easily blends into both historical city centres and areas with more contemporary architecture.

STYLAGE is the ideal tool for creating aesthetic consistency in cities composed of a mixture of heritage and modern architecture and that wish to highlight their historical patrimony while accentuating their commitment to the future.

STYLAGE	
Recommended installation height	3 to 5m / 10' to 16'
Typical luminaire output flux (range)	700 to 10,700lm
Power consumption	10W to 89W
Colour temperature	Warm white (722, 727, 730 and 830) or neutral white (740)
Nominal voltage	120-277V / 220-240V / 50-60Hz
Surge protection	10kV 20kV

UL 1598 CSA C22.2 No. 250.0   UK CA   ZD;   IP 66   IK 08

> Elegant, comfortable solution for creating ambiance

> Available with a flat glass or a polycarbonate full protector

> Post-top or suspended mounting

> No light pollution: ULOR 0% in flat glass version

> Connected-ready

> LensoFlex®4 versatile solutions for high-end photometries maximising comfort and safety

DIMENSIONS | MOUNTING
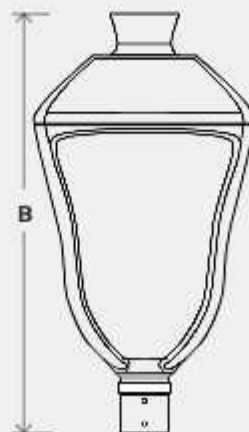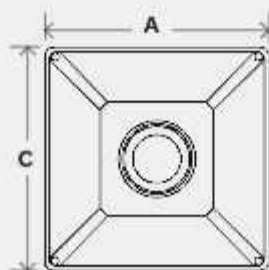
STYLAGE

A	373mm	14.7"
B	705mm	27.8"
C	373mm	14.7"
KG	8kg	17.6lbs

¾" gas male Ø60mm

STYLAGE is available with 3/4" gas suspended mounting.

DECORATIVE

VALENTINO GEN2

The classic urban lighting lantern with advanced technology

URBAN & RESIDENTIAL STREETS

BIKE & PEDESTRIAN PATHS

CAR PARKS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

Beneath its classic and timeless design, VALENTINO GEN2 incorporates cutting-edge LED and connection technologies.

It benefits from the energy efficiency of LEDs with the photometric performance of the LensoFlex® concept developed by Schréder. VALENTINO GEN2 is available in numerous configurations to light urban roads, streets, squares, parks and car parks.

With its various control options, this stylish luminaire is also connected-ready for your smart city projects.

VALENTINO GEN2 is the ideal tool for providing efficient lighting while creating attractive public spaces imbued with a sense of belonging, well-being and safety

VALENTINO GEN2

Recommended installation height	4 to 10m / 13' to 33'
Typical luminaire output flux (range)	600 to 12,500lm
Power consumption	8W to 114W
Colour temperature	Warm white (727, 730, 830) or neutral white (740)
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

UK CA IP 66 DEEP PROTECTOR IK 09 FLAT GLASS IK 10

> **Heritage design for maintaining ambiance and identity**

> **Low energy consumption**

> **No light pollution (ULOR 0%)**

> **Connected-ready for your future smart city requirements**

> **Compatible with the Schréder EXEDRA control platform**

> **Zhaga-D4i certified**

> **CM-compliant**

> **Proven LensoFlex®4 photometric engines**
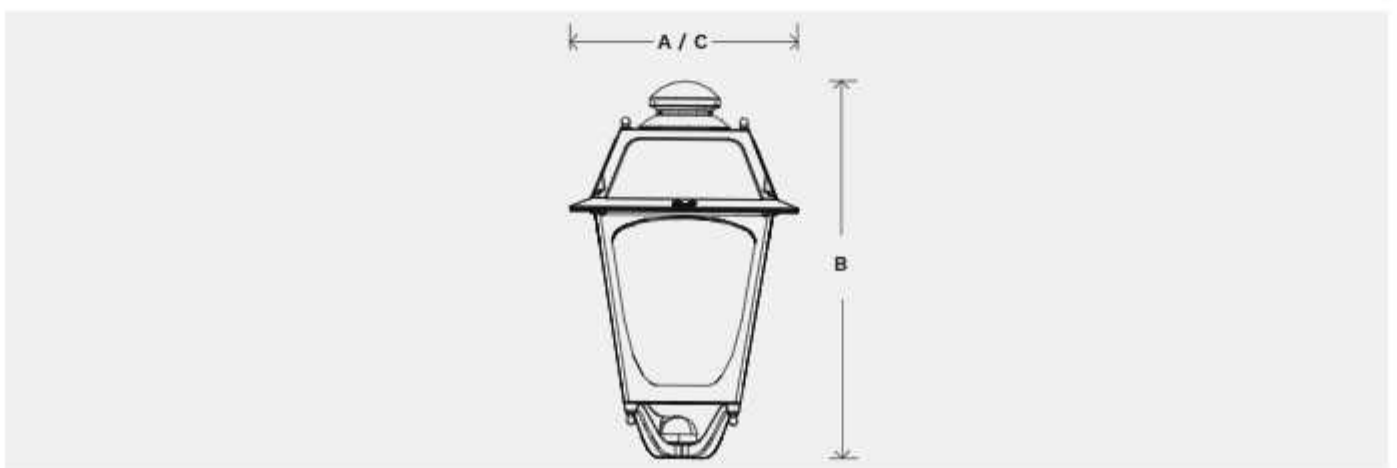
DIMENSIONS | MOUNTING

VALENTINO LED

A	400mm | 15.7"
B	667mm | 26.3"
C	400mm | 15.7"
KG	8.7-11.4kg | 17.6-24.2lbs

¾" gas male Ø60mm

VALENTINO LED is available with 3/4" gas suspended mounting.

DECORATIVE

DESIGN HIGHLIGHTS

VALENTINO GEN2 provides a stylish, robust and sustainable lighting solution.

VALENTINO GEN2 offers various control and sensor options, in both post-top and suspended versions.

ULOR 0% for the flat glass version.

A toolless opening version is available as an option.

VALENTINO GEN2 is offered with a transparent or frosted deep protector.

CIRCLELIGHT

VALENTINO GEN2 is designed to meet the requirements of a circular economy.

ZELA

Design: Michel Tortel

URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	CAR PARKS
SQUARES & PEDESTRIAN AREAS	BRIDGES	RAILWAY STATIONS & METROS

Elegant, cost-effective lighting solution for the creation of ambiance

ZELA provides a cost-effective indirect lighting solution for the creation of ambiance.

This modern luminaire is characterised by its distinct flat and conical diffuser, made possible by incorporating LED technology.

Designed by Michel Tortel, this compact luminaire harmoniously integrates both functionality and finish.

For instance, the cooling fins on the base section add a certain elegance by continuing the flow of the pole.

ZELA emits a pleasant, low glare light, making it perfect for architectural spaces.

ZELA

Recommended installation height	3 to 6m / 10' to 20'
Typical luminaire output flux (range)	400 to 3,700lm
Power consumption	10W to 41W
Colour temperature	Warm white 830 or neutral white 740
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

UKCA   IP 66   IK 10

> Low glare thanks to indirect lighting

> Delivered pre-wired to ease installation

> Available with multiple lumen packages

> Symmetrical light distribution for general area lighting or asymmetrical light distribution for lighting roads and streets
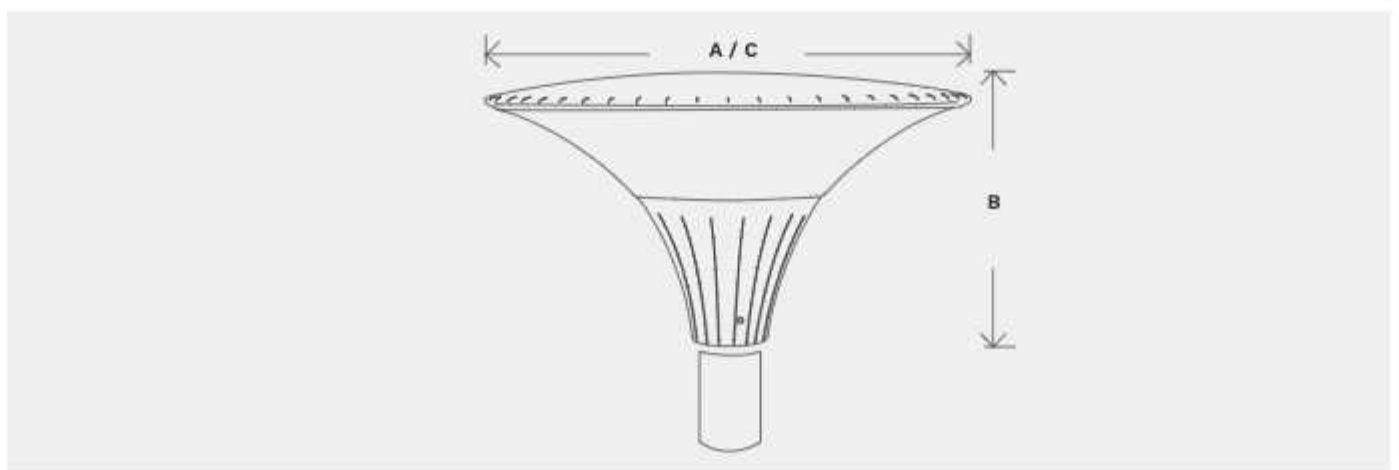
DIMENSIONS | MOUNTING

ZELA

A	578mm | 22.8"
B	324mm | 12.8"
C	578mm | 22.8"
	4.9kg | 10.8lbs

Ø60mm
Ø76mm

DECORATIVE

KAZU

MAIN APPLICATIONS

URBAN & RESIDENTIAL STREETS	BIKE & PEDESTRIAN PATHS	CAR PARKS
SQUARES & PEDESTRIAN AREAS	BRIDGES	RAILWAY STATIONS & METROS

Efficient, discreet, flexible

Inspired by the Kaza hat worn by the Samurai, KAZU is an excellent example of adaptability, anticipation and flexibility.

The minimal and modern look of KAZU was designed around the compactness of the LED engine.

It blends into landscapes while providing a sustainable lighting solution that dramatically reduces energy consumption and improves visual comfort for motorists, cyclists and pedestrians.

KAZU is available with a flat (standard version) or a dome-shaped (comfort version) protector to guarantee a perfect fit in any landscape.

KAZU

Recommended installation height	3 to 6m / 10' to 20'
Typical luminaire output flux (range)	800 to 8,900lm
Power consumption	14W to 79W
Colour temperature	Warm white (727, 730, 822 and 830) or neutral white (740)
Nominal voltage	120-277V / 220-240V / 50-60Hz
Surge protection	10 / 20kV

UL 1598 CSA C22.2 No. 250.0 | UKCA | IP 66 | FLAT PROTECTOR IK 09 | SHAPED PROTECTOR IK 10

> Cost-effective, efficient lighting solution for a fast return on investment

> LensoFlex®2 photometric engine with photometry adapted to various applications

> ThermiX® to withstand high temperatures

> 2 designs: standard or comfort

> Post-top mounting adapted to Ø60mm and Ø76mm spigots

> Connected-ready

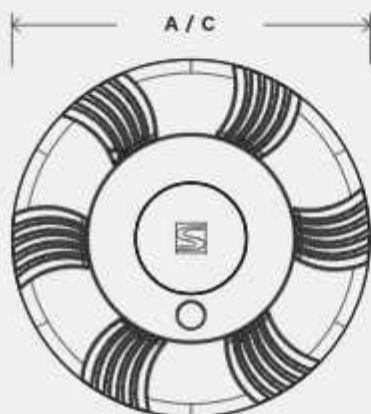# DIMENSIONS | MOUNTING

KAZU

A	525mm | 20.7"
B	160mm | 6.3"
C	525mm | 20.7"
KG	8.5-8.7kg | 18.7-19.1lbs

Ø60mm
Ø76mm

DECORATIVE

DESIGN HIGHLIGHTS

KAZU is available with two designs: with a flat or a dome-shaped protector.

KAZU can be combined with various remote management solutions.

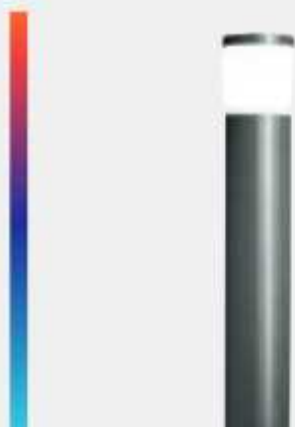KAZU offers a slip-over mounting onto Ø60mm or Ø76mm pole.

With the flat protector, KAZU is dark-sky compliant (ULOR 0%).

CITRINE

BIKE & PEDESTRIAN PATHS

SQUARES & PEDESTRIAN AREAS

BRIDGES

CAR PARKS

Visual guidance and creation of a pleasant atmosphere

CITRINE is designed to take up the challenge of providing efficient visual guidance and creating a pleasant atmosphere.

This high-quality, cost-effective lighting solution is available in 3 sizes (Micro, Mini and Midi) and with 2 photometrical options; a symmetrical distribution and an asymmetrical distribution.

Both can be fitted with a diffuse protector for maximised comfort or with a clear protector for high performance.

The photometry has been designed to maximise the spacing between the bollards and thus lower the investment.
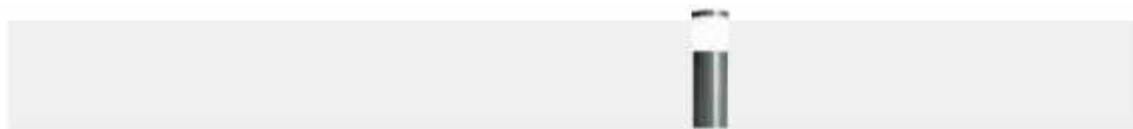
CITRINE	
Typical luminaire output flux (range)	400 to 1,100lm
Power consumption	6W to 9W
Colour temperature	Warm white 830 or neutral white 740
Nominal voltage	220-240V / 120-277V 50-60HZ
Surge protection	4 / 10kV

UKCA

UL 1598 CSA C22.2 No. 250.0

OPTICAL COMPARTMENT IP 66

GEAR COMPARTMENT IP 44

IK 10

> **Compact and versatile**

> **Maximised savings in energy and maintenance costs**

> **Diffuse protector for visual comfort and ambiance/clear protector for pathway lighting**

> **ThermiX® and LEDSafe® for long-lasting performance**

> **Wide range of operating temperatures from -20° up to 50°C**

> **Easy installation**

DIMENSIONS | MOUNTING

CITRINE	Micro	Mini	Midi
A	110mm | 4.3"	110mm | 4.3"	110mm | 4.3"
B	300mm | 11.8"	500mm | 19.7"	1000mm | 39.4"
C	110mm | 4.3"	110mm | 4.3"	110mm | 4.3"
KG	2kg | 4.4lbs	2.7kg | 5.9lbs	4.3kg | 9.5lbs
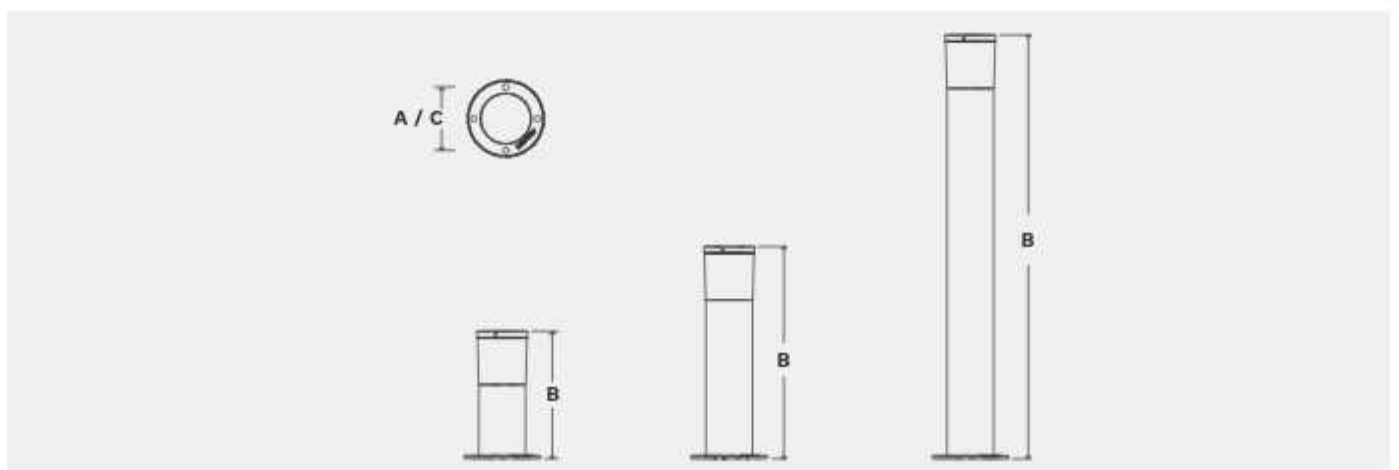
DECORATIVE

Shape your environments with the ultimate platform for lighting designers

VALINTA

3 AESTHETICS

CURVE

GROOVE

SCOPE

CURVE

GROOVE

SCOPE

2 TYPES

Urban lighting

2700K

3000K 4000K

RGBW 2700K

3000K 4000K

Architectural lighting

Micro   Mini   Midi   Maxi

DECORATIVE

VALINTA

URBAN & RESIDENTIAL STREETS

SQUARES & PEDESTRIAN AREAS

BRIDGES

RAILWAY STATIONS & METROS

ACCENT & ARCHITECTURAL

The holistic lighting solution for living cities

Where there are people, there is light. But not all lighting solutions can create the desired atmosphere and contribute to the attractiveness of a place. With the right light, all urban spaces unleash their potential to connect people and create a sense of well-being and safety.

Every urban setting has a story to tell. With this belief in mind, we have created VALINTA. Designed both as a luminaire for urban lighting and a floodlight for architectural enhancement, VALINTA provides aesthetic and technical consistency for all types of application in the city, through various lumen packages, light distributions and LED types (white or RGBW).

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

| VALINTA	Micro ILLUM	Mini ILLUM	Midi ILLUM	Maxi ILLUM	Midi URBAN	Maxi URBAN
Recommended installation height	-	-	-	-	4 to 8m 13' to 26'	4 to 12m 13' to 39'
Typical luminaire output flux (range)	890 to 1,130lm	1,700 to 4,400lm	2,900 to 7,700lm	5,300 to 13,300lm	1,200 to 7,900lm	2,500 to 12,000lm
Power consumption	3W to 12W	13W to 37W	26W to 65W	48W to 110W	13W to 66W	25W to 88W
Colour temperature	Warm white (827 and 830), neutral white (840) or RGBW				Warm white (727, 730 and 830) or neutral white (740)	
Nominal voltage	220-240V / 50-60Hz					
Surge protection	10kV					

UKCA   IP 66   IK 09

> **Three ranges, each including different sizes, all with elegant aesthetics**

> **Versatile platform: floodlight and luminaire**

> **High energy efficiency and LED consistency (as low as 3 MacAdam ellipses)**

> **Unique mounting system for easy installation on flat surfaces or poles, by one person**

> **Various cabling options to facilitate application/installation**

> **Multiple on-site settings (lateral, vertical, optical block) for sharp-edge photometry**

> **Connected-ready**

DIMENSIONS

	CURVE Micro	CURVE/ GROOVE Mini	CURVE/ GROOVE Midi	CURVE/ GROOVE Maxi	SCOPE Mini	SCOPE Midi	SCOPE Maxi
A	100mm | 3.9"	194mm | 7.6"	266mm | 10.5"	325mm | 12.8"	220mm | 8.7"	297mm | 11.7"	354mm | 13.9"
B	162mm | 6.4"	296mm | 11.6"	366mm | 14.4"	430mm | 19.9"	308mm | 12.1"	382mm | 15"	445mm | 17.9"
C	160mm | 6.3"	216mm | 8.5"	212mm | 8.3"	201mm | 7.9"	231mm | 9.1"	227mm | 8.9"	216mm | 8.5"
KG	1.6kg | 3.6lbs	5kg | 11lbs	7.5kg | 16.5lbs	10.5kg | 22lbs	5kg | 11lbs	7.5kg | 16.5lbs	10.5kg | 22lbs

VALINTA CURVE
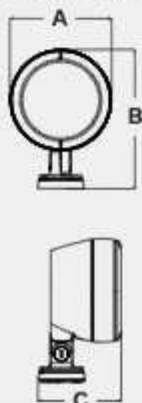
VALINTA GROOVE

VALINTA SCOPE

DECORATIVE
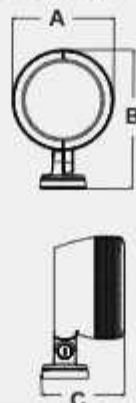
DESIGN HIGHLIGHTS

To provide efficient urban lighting solutions, VALINTA takes advantage of the latest generation of LensoFlex photometric engines.

The floodlight version of VALINTA relies on a unique LED PCBA layout, inspired by stained glass windows.

Unique mounting system: fix the base on a surface or a pole, insert the male part and lock it by rotating the luminaire. This two-step operation only requires one person.

The tiltable bracket offers a wide range of settings in both axes to direct light precisely where it is needed.

For maximum flexibility, the photometric engine can be orientated on site over a range of +/- 90°.

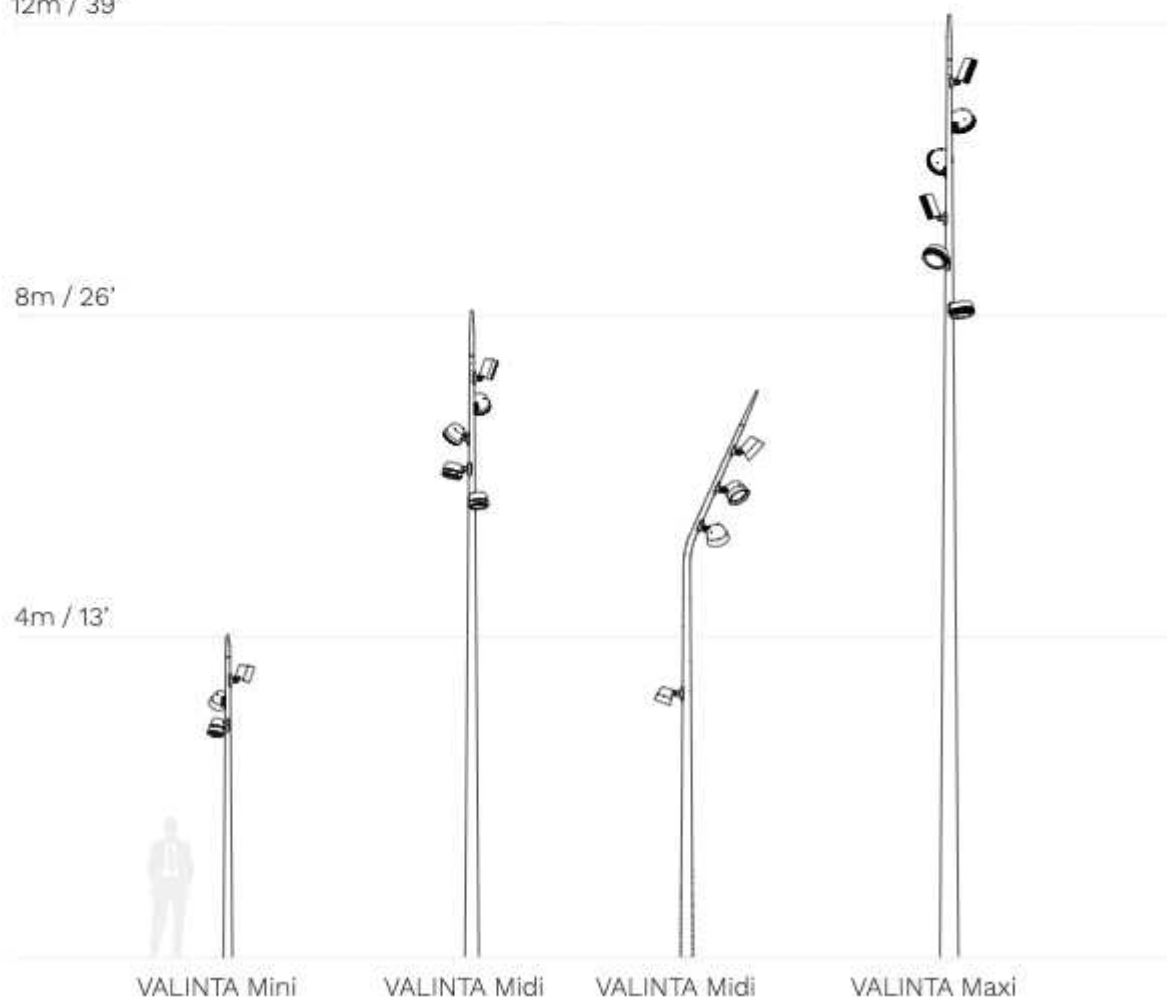VALINTA is designed both for surface and pole mounting.

VALINTA

CURVE

GROOVE

SCOPE

DIMENSIONS

12m / 39'

8m / 26'

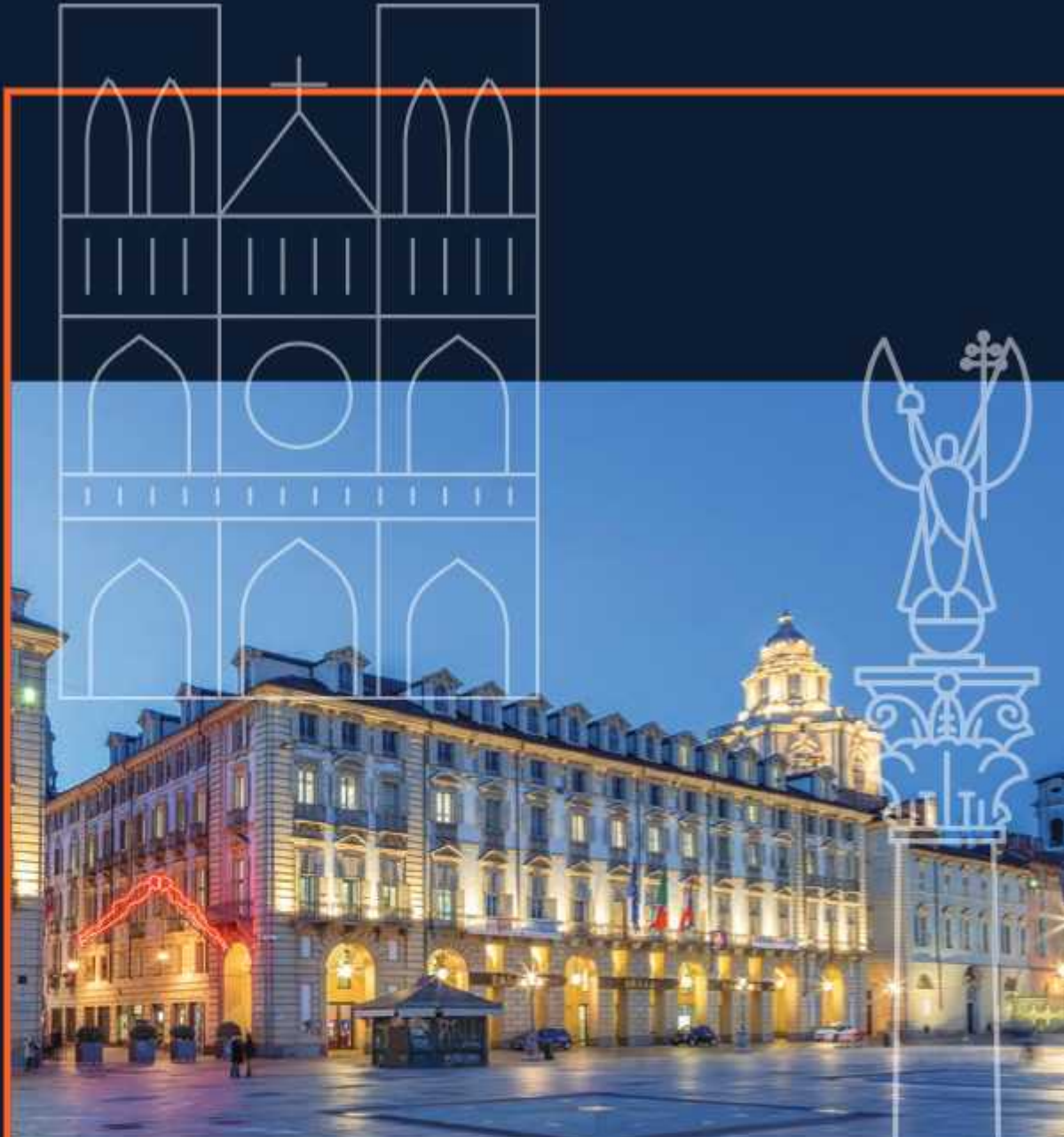4m / 13'

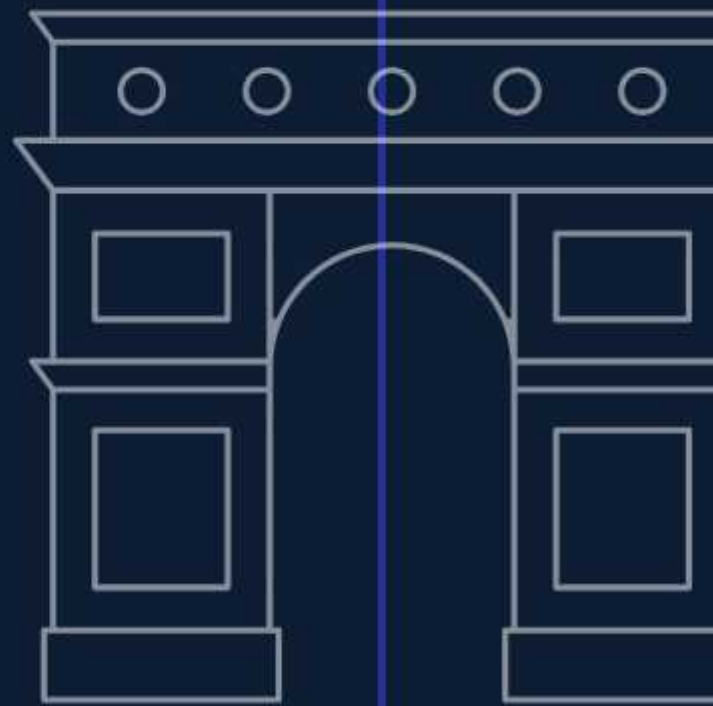VALINTA Mini   VALINTA Midi   VALINTA Midi   VALINTA Maxi

ARCHITECTURAL LIGHTING

" **Beautifying the city, revealing its jewels and highlighting its heritage** "

ARCHITECTURAL LIGHTING

PRODUCT RANGE

SCULPFLOOD

SCULDOT

SCULPLINE

LENSO
FLEX° 2

PHOTOMETRY

ILUM MARK

TERRA MIDI LED

LENSO
FLEX° 2

PHOTOMETRY

PONTO

BLOCO

SCULPDOT

MAIN APPLICATIONS

ACCENT &
ARCHITECTURAL

BRIDGES

Versatile spotlight for accent and architectural lighting

Designed to enhance architectural detail, sculptures and other features, SCULPDOT is a useful tool for careful lighting design, especially in combination with SCULPFLOOD luminaires.

Compact and elegant, SCULPDOT is built with no visible screws on the front of the frame to maintain an aesthetic design.

The floodlight combines multi-die technology and special lenses for a perfect colour mix.

These features help lighting designers deliver their desired result. Eye-catching dynamic lighting scenarios can be controlled via the DMX-RDM protocol.

SCULPDOT

Typical luminaire output flux (white LEDs)	1000 to 3,700lm
Power consumption	21W to 44.5W
Colour temperature	Warm white (830), neutral white (840), RGB CW, tunable white
Light distributions	Symmetrical (8°-10°-30°-60°-80°) and elliptical beams
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

IP 66   GLASS IK 06   PC IK 08

> **Precise on-site photometric distribution via external refractor**

> **Wide range of operating temperatures**

> **Very good colour mixing at close distance with special lenses on multi-die LED technology**

> **Connections can be made without the need for stripping or special tools**
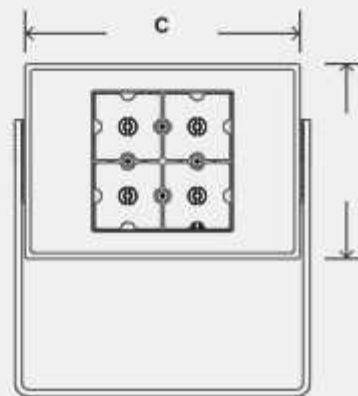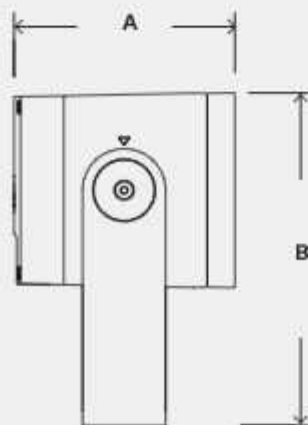
> **Inclination angle indicated on bracket**

DIMENSIONS | MOUNTING

SCULPDOT	
A	160mm | 6.3"
B	240mm | 9.4"
C	199mm | 7.8"
KG	7kg | 15.4lbs

Mounting by means of a fork enables the inclination to be precisely adjusted on site.
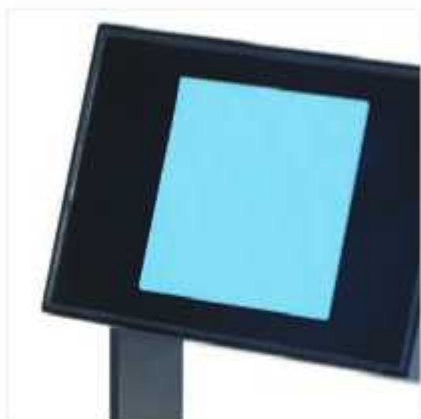

DECORATIVE

SCULPDOT

DESIGN HIGHLIGHTS

SCULPDOT is available with monochromatic, RGBW and tunable white LEDs.

Thanks to an external refractor, the beam can be easily adapted on site.

For dynamic lighting scenarios, SCULPDOT can be controlled with DMX or DALI protocols.

SCULPDOT is supplied with an internal driver.

SCULPFLOOD

Design: Voxdale

ACCENT & ARCHITECTURAL   BRIDGES

Versatile floodlights for large-scale accent and architectural lighting

The SCULPFLOOD LED floodlight range includes two power versions to provide the best solution for transforming medium and large architectural structures including skyscrapers, monuments, façades, roundabouts, bridges and stadiums into landmarks.

Compact and stylish, the SCULPFLOOD range offers refined floodlights with a high-quality build, feel and finish.

The two versions provide a high degree of flexibility with photometry adjustable on site and precise fine-tuning through brackets. These features help lighting designers deliver their desired result.

SCULPFLOOD is dedicated to creating striking lighting effects and enhance the value of architectural buildings at night. Using control systems, dynamic lighting scenarios can be achieved for a dramatic result.

SCULPFLOOD	60	150
Typical luminaire output flux (white LEDs)	1,900 to 5,700lm	6,000 to 18,100lm
Power consumption	41W to 70W	120W to 212W
Colour temperature	Warm white (830), neutral white (840), RGB CW, tunable white	
Light distributions	Symmetrical (8°-10°-30°-60-80°) and elliptical beams	
Nominal voltage	220-240V / 50-60Hz	
Surge protection	10kV	

IP 66 · GLASS IK 06 · PC IK 08

> **Precise on-site photometric distribution via external refractor**

> **Discreet 4-colour LED solution or all-white**

> **Internal surge protection to shield the electronics from external surges and spikes on the supply**

> **Inclination angle indicated on bracket**
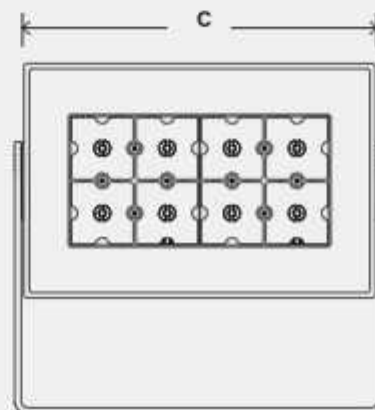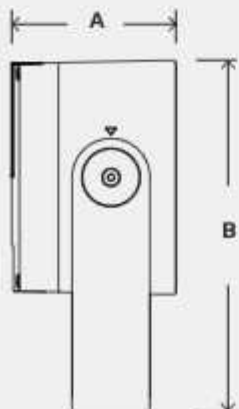
> **Wide range of operating temperatures**

DIMENSIONS | MOUNTING

SCULPFLOOD	60	150
A	147mm | 5.8"	94mm | 3.7"
B	270mm | 10.6"	393mm | 15.5"
C	271mm | 10.7"	551mm | 21.7"
KG	8.5kg | 18.7lbs	18kg | 39.6lbs

SCULPFLOOD is installed using a graduated fixation bracket.

DECORATIVE

DESIGN HIGHLIGHTS

Monochromatic, RGBW and tunable white
LEDs are available.

Dynamic lighting scenarios can be controlled via the DMX-RDM protocol.

SCULPFLOOD enables precise on-site photometric distribution with external refractors.

The range includes two sizes: SCULPFLOOD 60 and SCULPFLOOD 150.

SCULPLINE

ACCENT &
ARCHITECTURAL

BRIDGES

Flexible wall washer for advanced architectural illumination

SCULPLINE is a modern floodlight offering a wall washer effect that can be used for façade or monument illumination.

It enables lighting designers to sculpt the light to create a unique identity for monuments and buildings.

SCULPLINE creates a warm ambiance while providing huge energy savings thanks to its powerful LensoFlex®2 photometric engine. It offers a wide palette of colours and lighting effects.

SCULPLINE is designed to create striking lighting effects and enhance the value of architectural buildings at night. Using control systems, dynamic lighting scenarios can be achieved for dramatic results.

SCULPLINE	50	100
Typical luminaire output flux (white LEDs)	300 to 5,000lm	100 to 10,000lm
Power consumption	6.2W to 45W	12.5W to 90W
Colour temperature	Warm white (830), neutral white (740 and 840), RGB CW, or tunable white	
Light distributions	Symmetrical (8°-18°-22°-27°), asymmetrical (LensoFlex®2) and elliptical (45°x8° and 140°x108°) beams	
Nominal voltage	220-240V / 50-60Hz	
Surge protection	10kV	

IP 66 | GLASS IK 07 | PC IK 08/10

KEY ADVANTAGES

> **Elegant and compact design** for minimum impact on architecture

> **Front cover can be customised** to perfectly integrate with the environment

> **Broad palette of colours** and lighting effects/distributions

> **Numerous (symmetrical and asymmetrical) light distributions**

> **Variable number of LEDs** from 10 up to 48 LEDs/m

> **Large range of mounting options**

> **Low energy consumption**

DIMENSIONS | MOUNTING

SCULPLINE	S50	S100	R50	R100
A	65mm | 2.5"	65mm | 2.5"	105mm | 4.1"	105mm | 4.1"
B	34mm | 1.3"	34mm | 1.3"	80mm | 3.1"	80mm | 3.1"
C	500mm | 19.7"	1000mm | 39.4"	500mm | 19.7"	1000mm | 39.4"
KG	1.3kg | 2.7lbs	2.6kg | 5.7lbs	4.6kg | 8.8lbs	7.2kg | 15.4lbs

Dimensions and weights are given for surface versions (S) and recessed versions (R).

SURFACE

RECESSED

DECORATIVE
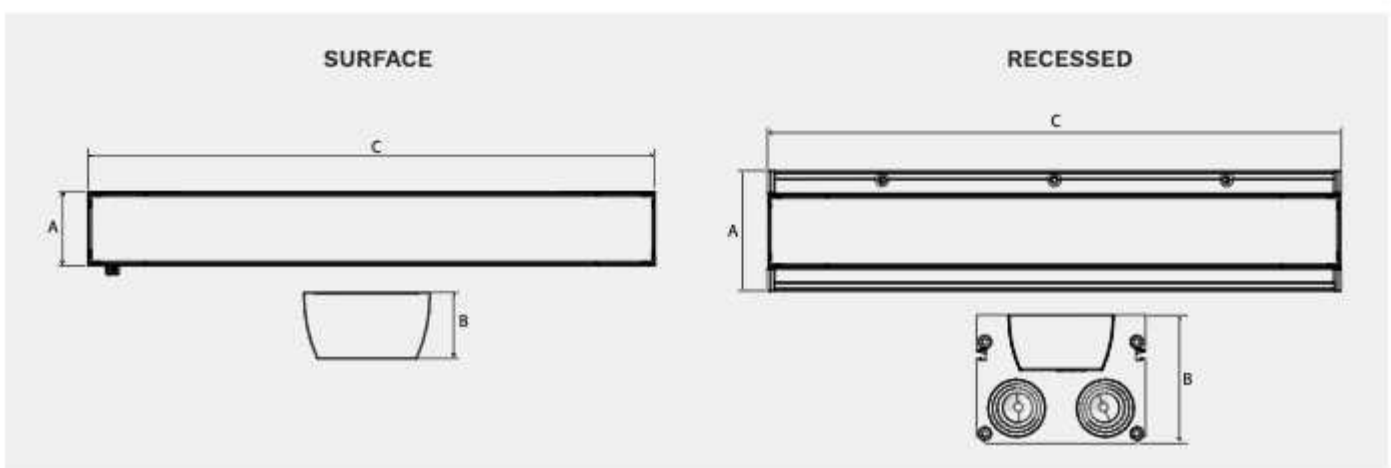
DESIGN HIGHLIGHTS

With a clean and plain design, the SCULP Collection provides the most accurate range of powerful, versatile and efficient LED floodlights for architectural lighting.

SCULPline offers symmetrical and asymmetrical photometric light distributions.

The connections can be made without the need for stripping or special tools.

SCULPLINE is available with monochromatic, RGBCW or tunable white LEDs and can be dynamically controlled.

SCULPLINE offers various types of brackets for flexible mounting: standard compact brackets, wall-mounted extension arms, end clamps and side clamps.

ILUM MARK

ACCENT & ARCHITECTURAL

BRIDGES

RAILWAY STATIONS & METROS

SPORT FACILITIES

SQUARES & PEDESTRIAN AREAS

CAR PARKS

INDUSTRIAL HALLS & WAREHOUSES

Multi-purpose range of linear LED marker luminaires

The ILUM MARK range is composed of linear marker luminaires fitted with white or RGB low-power LEDs for marker or accent illumination.

These recessed luminaires create original light effects in the nocturnal landscape. They can form dynamic lines of light to guide passers-by and tourists and help them discover a city.

The compact design of ILUM MARK ensures perfect vertical and horizontal integration in all types of structure: on window sills, under arches or on façades to highlight architectural details.

As a versatile ground-lighting solution, ILUM MARK can also be used to show people the way inside underpasses, hospitals or any other building.

ILUM MARK	1	2
Typical luminaire output flux (white LEDs)	100 to 200lm	200 to 500lm
Power consumption	6W	12W
Colour temperature	Warm white (830), neutral white (840), cool white (857) or RGB	
Light distributions	180°	
Nominal voltage	24VDC	

IP 65/67   IK 10

> **Continuous line of light**

> **Ultra-compact linear module for discreet integration**

> **Extra high tightness level (IP 67)**

> **High-quality and resistant materials (IK 10)**

> **Dynamic scenarios with DMX512 protocol for RGB versions**

> **Easy installation**

> **Maximised savings in energy and maintenance costs**

DIMENSIONS | MOUNTING

ILUM MARK	1	2
A	35mm | 1.4"	35mm | 1.4"
B	84mm | 3.3"	84mm | 3.3"
C	500mm | 19.7"	1000mm | 39.4"
KG	1.42kg | 3.1lbs	2.79kg | 6.1lbs

The optical unit is recessed in an aluminium U profile.

DECORATIVE

DESIGN HIGHLIGHTS

ILUM MARK is available in two sizes: 500 or 1,000mm.

ILUM MARK uses 2-pin (white) or 5-pin (RGB) IP 68 connectors.

ILUM MARK is available with white (warm, neutral or cool) or RGB LEDs.

ILUM MARK can form a continuous curtain of light or create 90° angles.

TERRA Midi LED

ACCENT &
ARCHITECTURAL

Powerful ground recessed floodlight for illumination and ground lighting

TERRA Midi LED is a ground recessed floodlight equipped with 8 to 24 high-power LEDs.

Fitted with lenses that offer various types of photometric applications from very concentrated to very diffuse beams as well as asymmetrical LensoFlex®2 lighting distributions, TERRA Midi LED is perfect for lighting the façades of old and contemporary buildings, architectural details, statues and monuments, flags and banners, treetops, bridges, overpasses, etc.

An aluminium body with a round brushed stainless steel frame houses the electrical and electronic accessories as well as the photometric engine. The protector, in tempered glass with a thickness of 15mm, is capable of withstanding a static load of 4,000kg (glass version).

TERRA Midi LED is supplied pre-wired to facilitate assembly and guarantee its high tightness level over time since it is not necessary to open the floodlight.
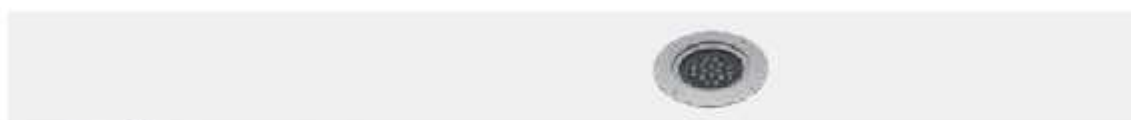
TERRA Midi LED	
Typical luminaire output flux (white LEDs)	900 to 4,800lm
Power consumption	9.7 to 38.1W
Colour temperature	Warm white (730, 830, 835), neutral white (740, 742), cool white 757
Light distributions	Symmetrical (16°-22°-36°-76°) or asymmetrical (105°-129°-140°-156°) beams
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

IP 68   IK 10

KEY ADVANTAGES

> **Numerous symmetrical and asymmetrical light distributions**

> **Precise on-site adjustment**

> **Extra-high tightness level (IP 68)**

> **High-quality, resistant materials**

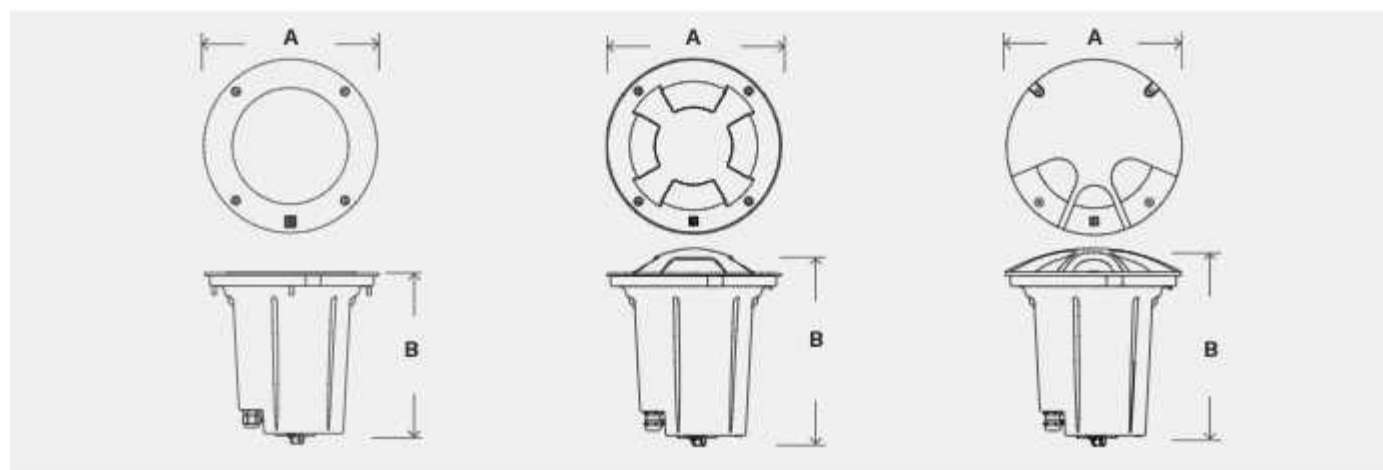> **Static load resistance <4,000kg (glass version)**

DIMENSIONS

TERRA Midi LED	Illumination model
A	270mm | 10.6"
B	255mm | 10"

TERRA Midi LED	Marking model Symmetrical version
A	270mm | 10.6"
B	288mm | 11.3"

TERRA Midi LED	Marking model Asymmetrical version
A	270mm | 10.6"
B	288mm | 11.3"

PONTO

SQUARES &
PEDESTRIAN
AREAS

RAILWAY
STATIONS &
METROS

ACCENT &
ARCHITECTURAL

Various monochromatic static versions for illumination and ground lighting

PONTO is a recessed LED floodlight.

It provides a range of light distributions for a variety of solutions including lighting architectural elements or ground-lighting public or private areas.

The synthetic body, which houses the optical compartment, is reinforced with fibre glass and has a stainless steel finishing frame. The power supply is fitted in the body.

The 12mm tempered-glass protector, with its high mechanical resistance, can withstand a static load of 2,000kg. Thanks to these different elements of mechanical design, the luminaire's IP 67 tightness level is maintained in the long term.

PONTO	
Typical luminaire output flux (white LEDs)	100 to 300lm
Power consumption	5W
Colour temperature	Warm white 830, neutral white 840, cool white 757, static amber, red, green or blue LEDs
Light distributions	Symmetrical (10°-12°-20°-22°-26°-36°-38°-40°) beams
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

IP 67   IK 10

> Illumination or ground-lighting version

> Different installation possibilities, with or without a kit

> Extra-high tightness (IP 67)

> Available with clear or frosted glass (option)

> High-quality, resistant materials

DIMENSIONS

PONTO

A	110mm | 4.3"
B	110mm | 4.3"
C	70mm | 2.7"
	0.45kg | 1lb

DECORATIVE

BLOCO

A versatile tool for marking the way and creating ambiance
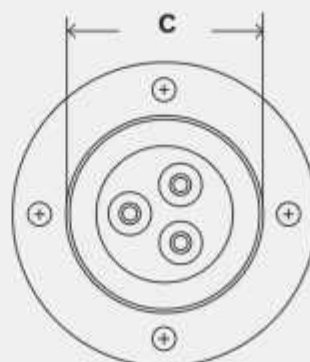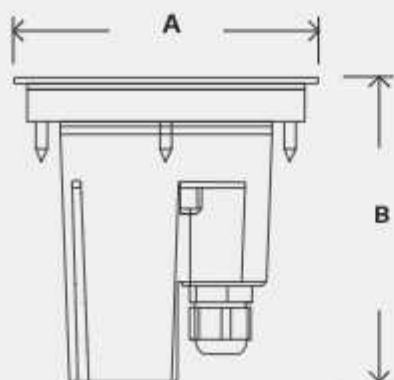
SQUARES & PEDESTRIAN AREAS

CAR PARKS

RAILWAY STATIONS & METROS

ACCENT & ARCHITECTURAL

The wall recessed BLOCO range is characterised by the wide variety of models, photometric distributions and light sources available.

Rectangular, circular or square, BLOCO perfectly integrates into and complements any architectural setting.

The BLOCO floodlight is composed of high-quality materials: a body and cover in painted die-cast aluminium alloy and a glass protector sealed to the cover. A silicone gasket guarantees the IP 66 tightness level.

BLOCO

Typical luminaire output flux (white LEDs)	Up to 250lm
Power consumption	8W
Colour temperature	Neutral white 740
Light distributions	Symmetrical (110°) and asymmetrical (23°-33°) beams
Nominal voltage	220-240V / 50-60Hz
Surge protection	10kV

IP 66   IK 08   IK 10

KEY ADVANTAGES

> **Elegant and robust wall-mounted floodlights for direct or indirect lighting**

> **Several models and sizes**

> **High-quality, resistant materials**

> **Flexible installation**

> **High tightness level (IP 66)**

> **Easy to install**

DIMENSIONS | MOUNTING

BLOCO	Rectangular		BLOCO	Circular direct		BLOCO	Circular indirect		BLOCO	Square
A	294mm | 11.6"		A	255mm | 10"		A	255mm | 10"		A	255mm | 10"
B	154mm | 6"		B	114mm | 4.5"		B	150mm | 5.9"		B	108mm | 4.2"
C	275mm | 10.8"		C	235mm | 9.2"		C	235mm | 9.2"		C	214mm | 8.4"
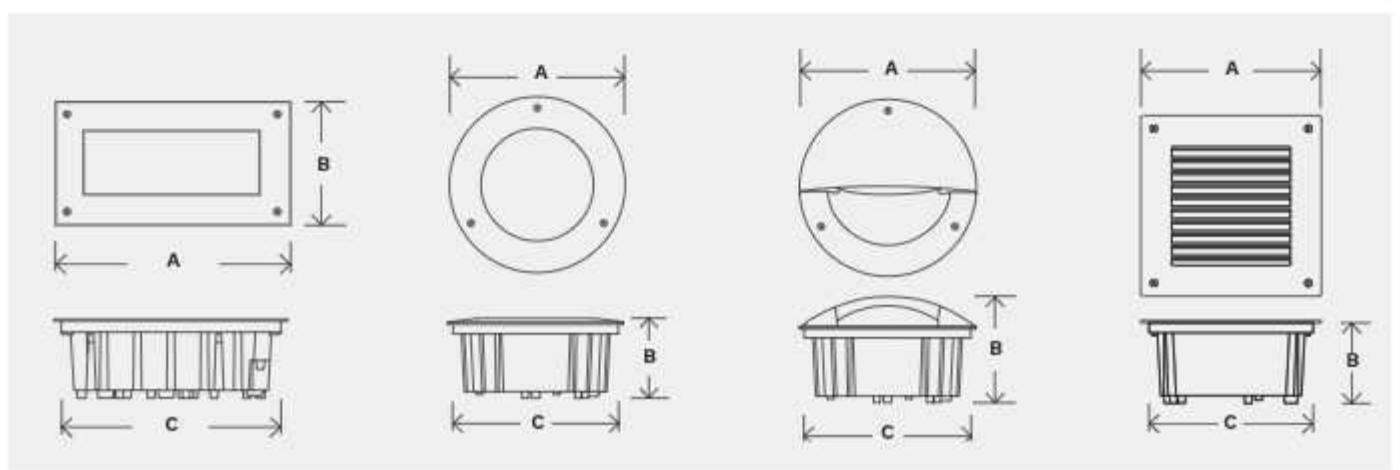
DECORATIVE

POLES & BRACKETS

66 **Design consistency and elegance for urban landscapes** 99
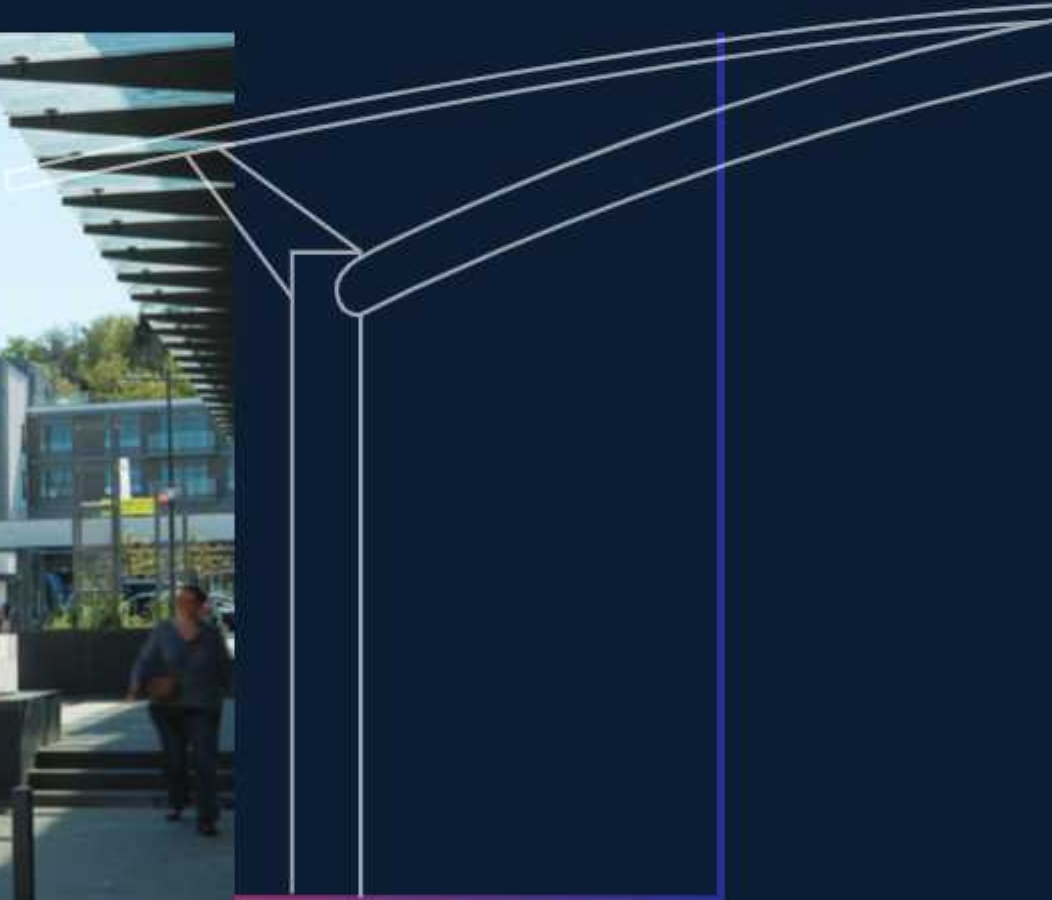
POLES & BRACKETS

RANGE

POLES

DESCOBERTAS	THYLIA	FLEXIA	STYLAGE	NUN'ÁLVARES	PERLA	FUNCTIONAL POLES
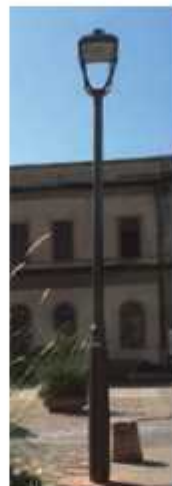
BRACKETS

ANDO	BOREAL	CONDOR	DIO	ELAYA	EQUINOXE
EVENS	FLO	ITO	KEMA	KORDA	LUCEA
LUTECIA	LYRE YOA	MILLA	SOFIA	SAINT REMY	STADIO
STYLAGE	TRESSA	VECTOR	YOHO		

DESCOBERTAS

DESCRIPTION

The DESCOBERTAS wooden columns contribute to creating a pleasant atmosphere by combining wood and metal. They are available in circular or square variants with lengths ranging from 4m to 8m.

The woods used in our columns are FSC and PEFC certified. For more detailed technical information and the availability of custom variants, please contact your local sales representative.

RECOMMENDED LUMINAIRES

VALENTINO GEN2　STYLAGE　HAPILED　KAZU　ZELA

PIANO　YMERA　CITEA NG2　NEOS LED　YOA

DIMENSIONS
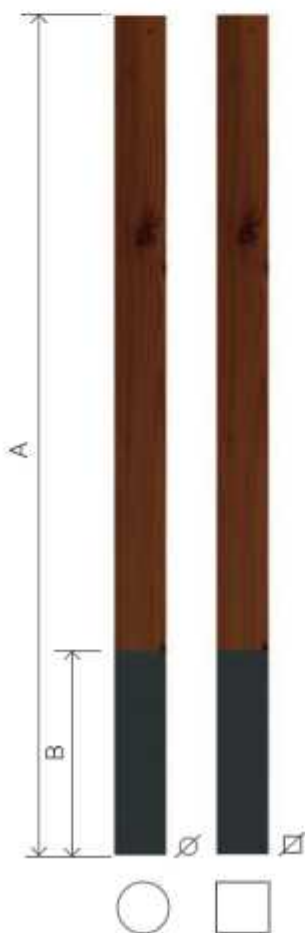
A	4m	6m	8m
B	1200mm	1500mm	1500mm
Circular ∅	140mm	140mm	194mm
Square ⊡	120mm	120mm	140mm

COLOUR/WOOD RANGE

Ipe 18 — Steel base painted in black 200

Oak 17 — Steel base painted in brown 650

Honey 10 — Steel base painted in brown 650

Honey 10 — Steel base painted in grey 900

DESCRIPTION

The uniquely designed THYLIA pole, combined with one of our luminaires (such as TECEO S), has been a Schréder exclusive for many years. The range is perfect for lighting roads, pedestrian areas or squares. The standard offering consists of a base part available in 4 different design materials, combined with straight or curved arms. One, two, three or four poles can be mounted on a base. A facetted steel base and a steel wall bracket are available.

VARIANTS

E[AR] MAXI 3 OR 4 UPRIGHTS

E[F] SMOOTH 1 OR 2 UPRIGHTS

E[AR] STRUCTURED 1 OR 2 UPRIGHTS
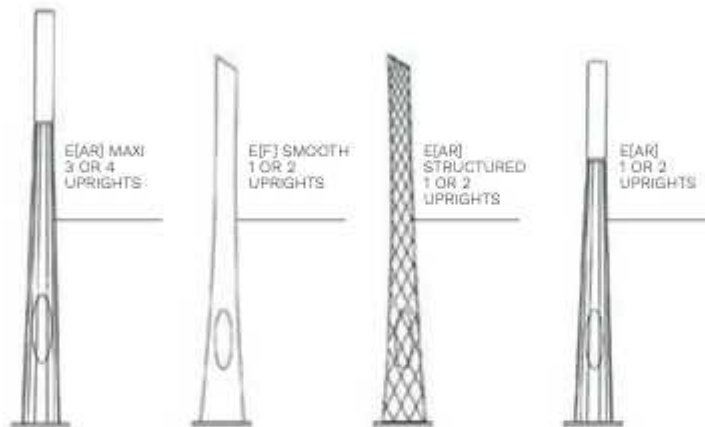
E[AR] 1 OR 2 UPRIGHTS

	Upright height: 1600mm (HF 4200)		Upright height: 3600mm (HF 6200)			Upright height: 5500mm (HF8100)		
	straight	1 curved	straight	1 curved	2 curved	straight	1 curved	2 curved
THYLIA standard steel E[AR] 1 or 2 uprights	X	X	X	X	X	X	X	X
THYLIA maxi steel E[AR] 3 or 4 uprights	-	X	-	X	X	-	X	X
THYLIA smooth cast iron E[F] 1 or 2 uprights	X	X	X	X	X	X	X	X
THYLIA smooth cast iron E[FS] 1 or 2 uprights	X	X	X	X	X	X	X	X
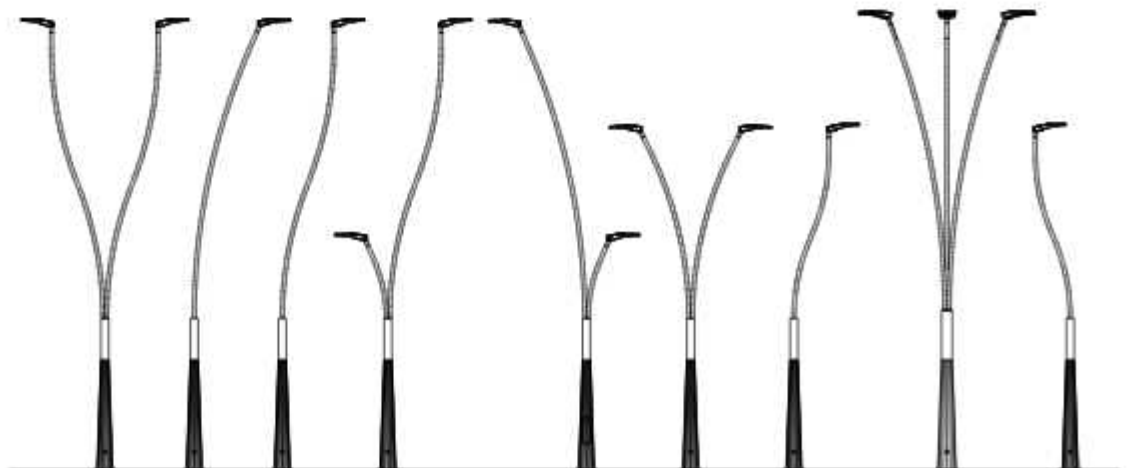
FLEXIA

DESCRIPTION

Created in collaboration with VALMONT Structures, the range of FLEXIA poles complements the FLEXIA luminaires, offering complete lighting ensembles, fully consistent for your applications. Particular care has been taken in the design of this range to ensure the most homogeneous associations possible between the pole, the SOFIA bracket (if applicable) and the FLEXIA luminaire.

The poles are available in different materials (aluminium, galvanised or corten steel, and wood) and with different design options to suit your local needs. The result is an almost infinite number of possible combinations, available in all standard Schréder colours. Certified for the loads defined in the EN40 standard, the FLEXIA POLES range is CE marked.

ASSOCIATED LUMINAIRES

FLEXIA TOP   FLEXIA BRASO   FLEXIA FG   FLEXIA POEME   FLEXIA QUERCUS

	Height	Spigot on top
Conical steel	4 - 6 - 8m	Ø60/Ø76
Conical aluminium	4 - 6 - 8m	Ø60/Ø76
Conical corten sealed steel	4 - 6 - 8m	Ø60/Ø76
Conical wood NEMUS	4 - 6 - 8m	Ø60/Ø76
Conical wood MIVAT	4 - 6 - 8m	Ø60/Ø76
Square round wood KLAXE	4 - 6 - 8m	Ø60/Ø76

AESTHETIC DETAILS

NEMUS
Optional collar

NEMUS
Optional vertical flutes

MIVAT
Sculpted column

KLAXE
Square to round shape

Conical steel
and conical aluminium

Conical corten
sealed steel

Conical wood
NEMUS

Conical wood
MIVAT

Square round
wood KLAXE

STYLAGE

DESCRIPTION

The STYLAGE luminaire is offered with a modern column in thermo-formed aluminium (60mm spigot) or a bracket for suspended or post-top mounting. Its aesthetic coherence and elegance characterise this ensemble.

VARIANTS
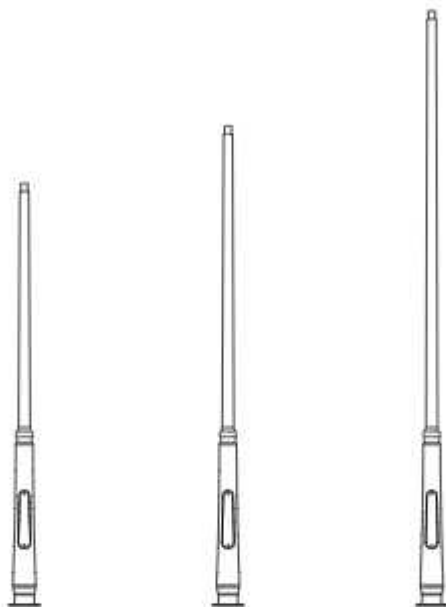
DIMENSIONS

	3.5m	4m	5m
STYLAGE	X	X	X

Available with a base plate or for ground-recessed mounting.

PERLA

DESCRIPTION

The PERLA's sober and pure line plays an important aesthetic role both by day and at night. Specifically designed for this elegant luminaire, a galvanised steel column is available in various heights, with or without a rear bracket for pavement lighting.

VARIANTS
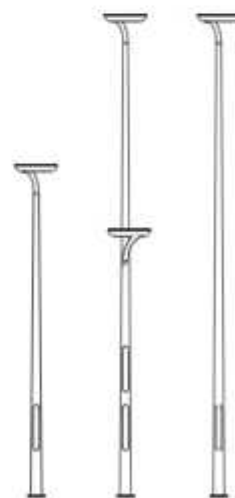
DIMENSIONS

	3.5m	4m	4.5m	5m	6m
1 PERLA luminaire (1 door)	X	X	X	X	X
2 PERLA luminaires (2 doors)	–	–	X	X	X

Available with a base plate or for ground-recessed mounting.

DESCRIPTION

The NUN'ÁLVARES columns are composed of rectangular profiles with a longitudinal opening at the top of the pole. The large models - with rear bracket - are suitable both for lighting both large avenues and pavements. Available with two bracket sizes, they offer the flexibility to project light onto the road from various distances.

The small models can be installed along streets and squares in city centres. Aesthetic coherence between the suburbs and the city centre is one of the main advantages provided by the NUN'ÁLVARES range.

RECOMMENDED LUMINAIRES

CITEA NG2   YMERA   YOA   PIANO

DIMENSIONS

LARGE MODELS

Pole with bracket 1000

Pole with bracket 1500 + rear bracket for sidewalk
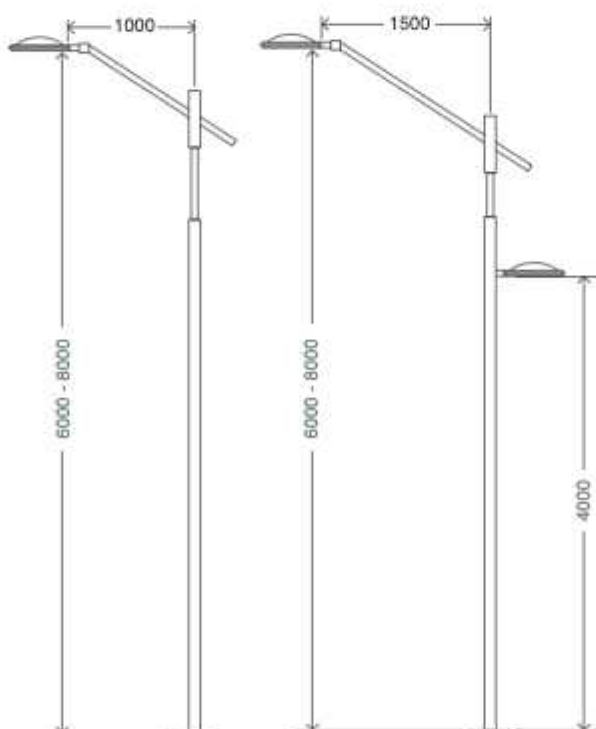
SMALL MODELS

Pole for single mounting

Pole for double mounting
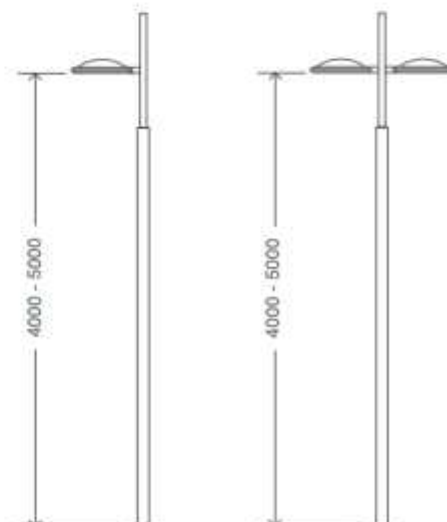
(*) Other dimensions available on request

FUNCTIONAL POLES

DESCRIPTION

With a range of poles combined with a large portfolio of luminaires and brackets, Schréder offers complete light points for your application. The standard pole offering consists of 5 different shapes, with heights ranging from 3 to 14m, made of aluminium or galvanised steel, and always adapted to your local market requirements. The poles can be ordered from Schréder or via one of our local partners. For more detailed technical information and the availability of custom variants, please contact your local sales representative.

POLE VARIANTS*
*Other poles available on request
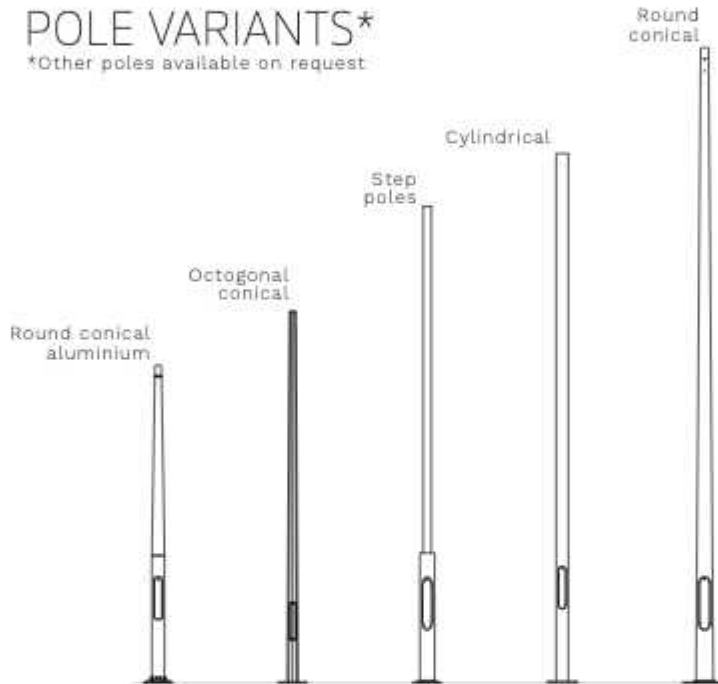
Available with a base plate or for ground-recessed mounting.

Height (m)	Round conical (top diameter in mm)				Cylindrical			Step poles		Octagonal conical (top diameter in mm)	Round conical aluminium (top diameter in mm)
	Ø60	Ø76	Ø89	Ø106	Ø89	Ø102	Ø114	Ø140/Ø89	Ø140/Ø60	Ø60	Ø60
3	X	-	-	-	X	-	-	X	X	X	X
3.5	X	X	-	-	X	-	-	X	X	X	X
4	X	X	-	-	X	X	X	X	X	X	X
4.5	X	X	-	-	X	X	X	X	X	X	X
5	X	X	-	-	X	X	X	X	X	X	X
5.5	X	-	-	-	-	X	X	X	X	X	-
6	X	X	X	-	-	X	X	-	-	X	X
7	X	X	X	X	-	-	-	-	-	X	X
8	X	X	X	X	-	-	-	-	-	X	X
9	X	X	X	X	-	-	-	-	-	X	X
10	X	X	X	X	-	-	-	-	-	X	X
12	X	X	X	X	-	-	-	-	-	X	X
14	-	-	X	X	-	-	-	-	-	-	-

The combination of these poles with post-top brackets or luminaires should be mechanically checked according to local standards.

POLES & BRACKETS

ANDO

RANGE

9m / 29'

6m / 20'

4.5m / 15'

DIMENSIONS

L1

Ø1

L1

Ø1

L2
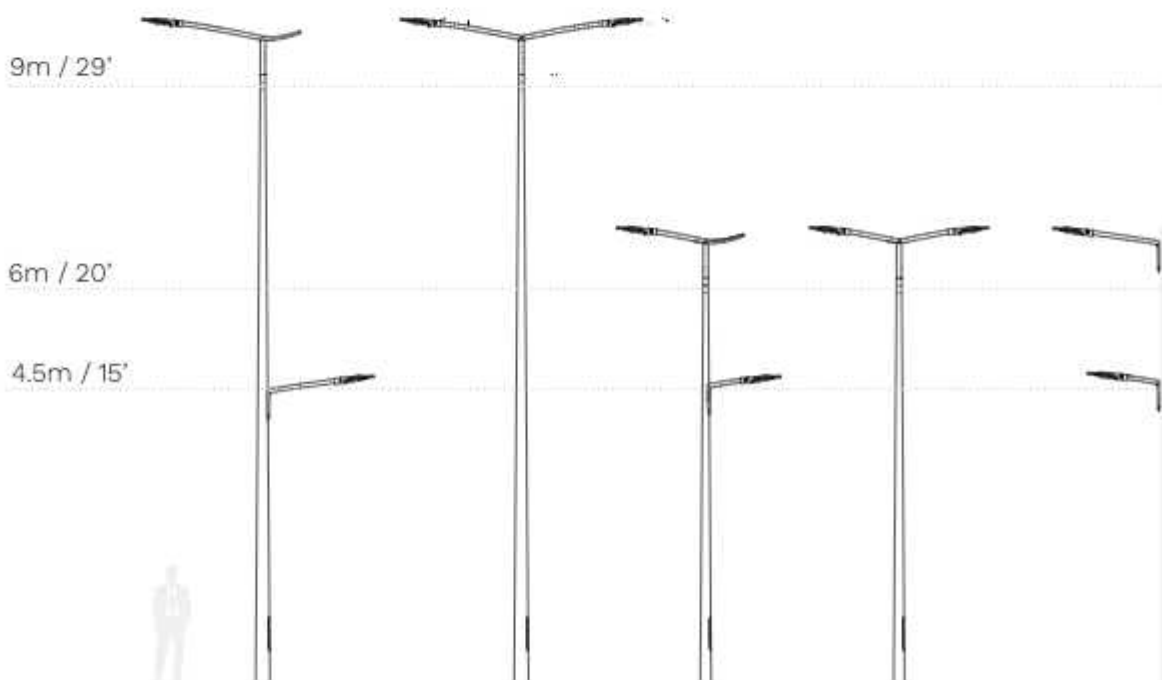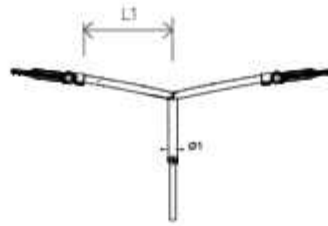
L1	840mm | 33"	L2	595mm | 23"
	1310mm | 52"		1110mm | 44"
		Ø1	76mm | 3"

GENERAL INFORMATION

|	
Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm

RECOMMENDED LUMINAIRES

AMPERA	AXIA 2	AXIA 3	CITEA NG2	FLEXIA

IZYLUM	PIANO	TECEO	YMERA	YOA

POLES & BRACKETS

BOREAL BRACKET

RANGE

6m / 20'

4m / 13'

DIMENSIONS

SINGLE BRACKET

DOUBLE BRACKET

WALL BRACKET
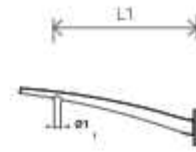
L1	1200mm	47"
Ø1	Suspended 1" female
Ø2	89mm	3.5"

RECOMMENDED LUMINAIRES

ALBANY BOREAL CITEA NG2 FLEXIA STYLAGE

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Suspended 1" gas male

CONDOR

RANGE

8m / 26'

7m / 23'

6m / 20'

DIMENSIONS

SINGLE BRACKETS

DOUBLE BRACKETS

WALL BRACKET

L1	1150mm	45"	Ø1	60mm	2.5"
	1650mm	65"		89mm	3.5"
L2	1150mm	45"			

RECOMMENDED LUMINAIRES

HESTIA

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Specific for HESTIA

DIO

RANGE

12m / 40'

10m / 32'

8m / 26'

6m / 20'

5m / 16'

4m / 13'

DIMENSIONS

L1

Ø1

L1

Ø1

L2
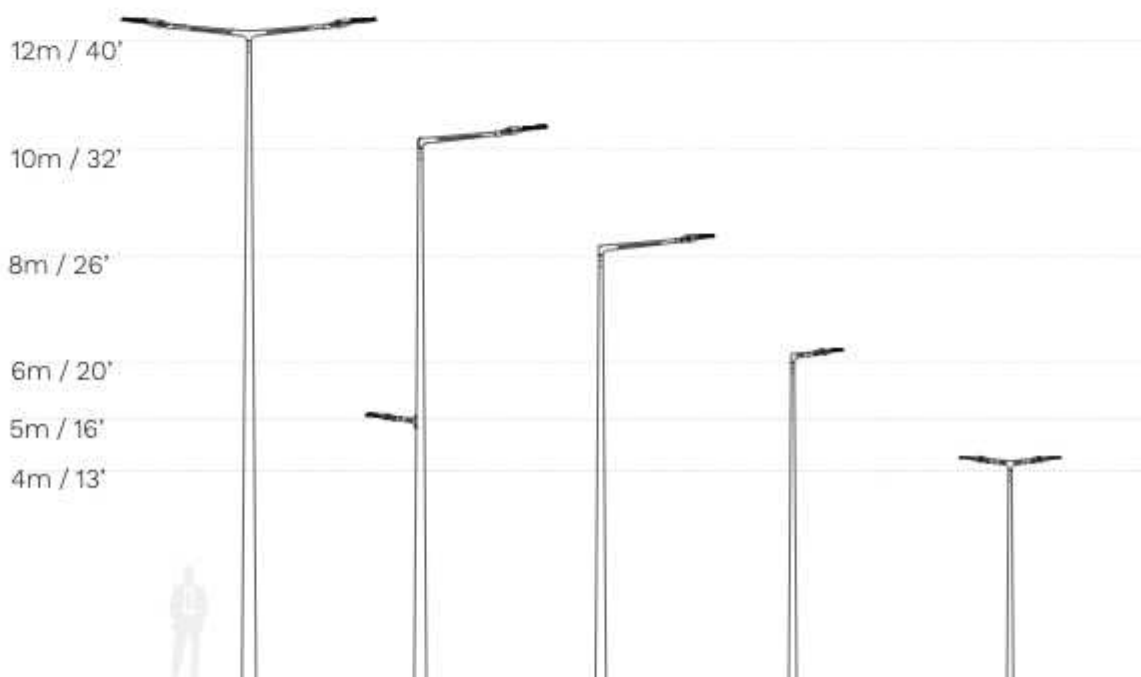
L1	415mm | 16"	Ø1	60mm | 2.5"
	1500mm | 59"		76mm | 3"
L2	415mm | 16.5"		

GENERAL INFORMATION
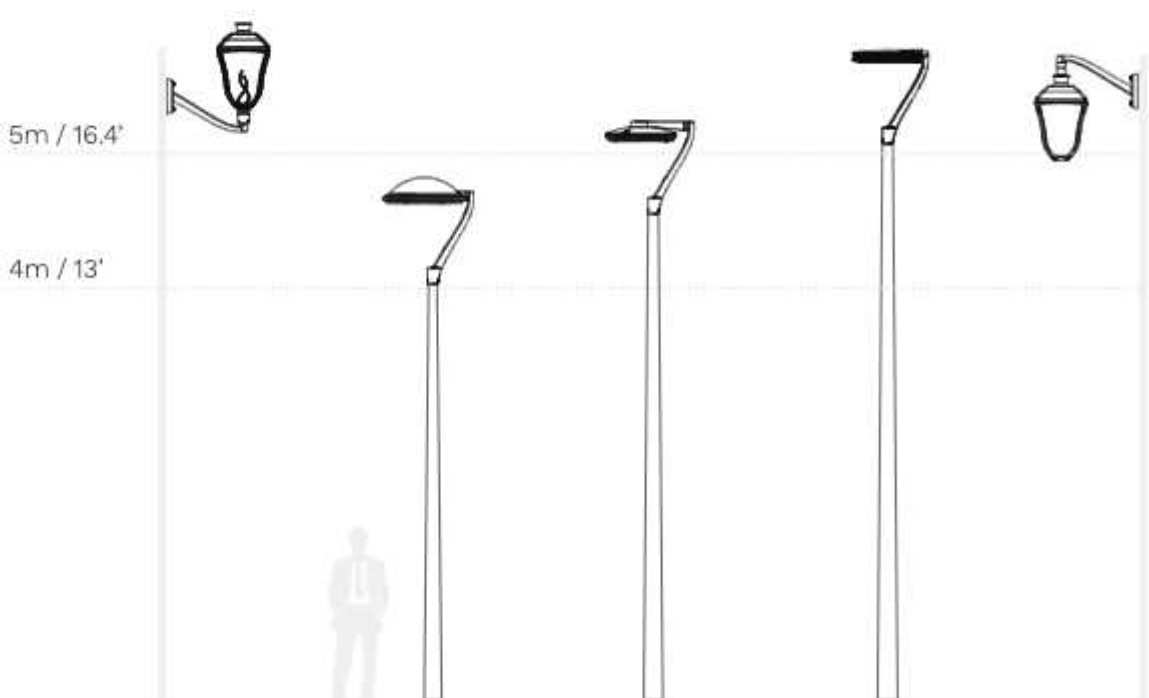
Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm

RECOMMENDED LUMINAIRES

AMPERA   AXIA 2   AXIA 3   CITEA NG2   FLEXIA

IZYLUM   PIANO   TECEO   YMERA   YOA

ELAYA

RANGE

10m / 32'	
8m / 26'	
6m / 20'	
4m / 13'	
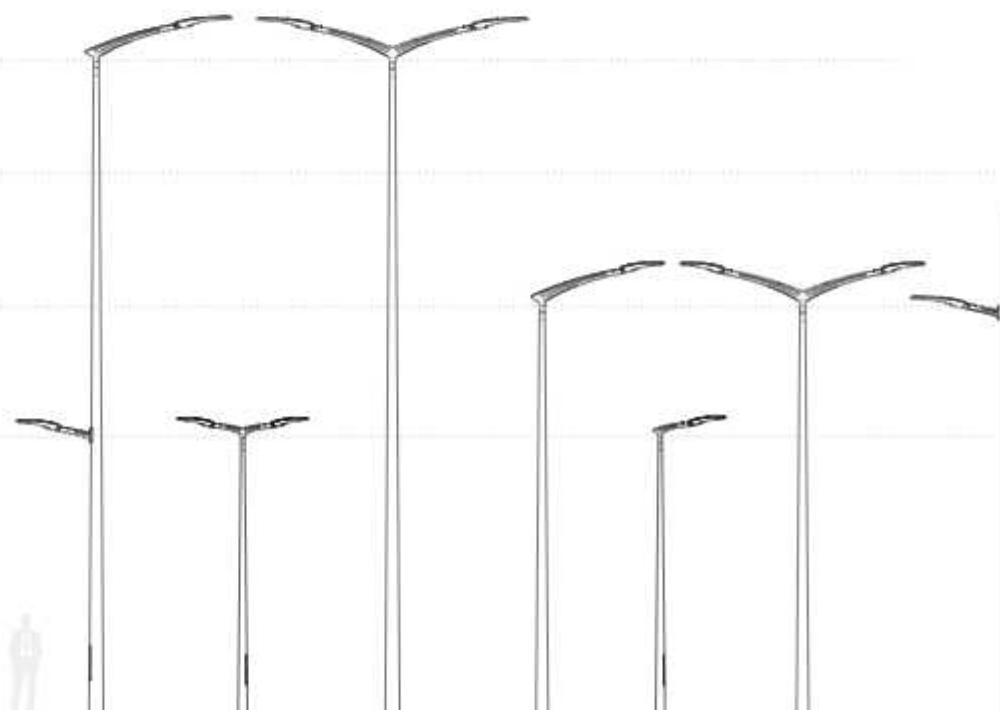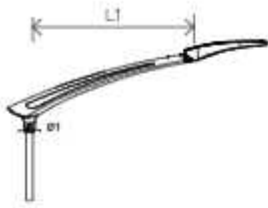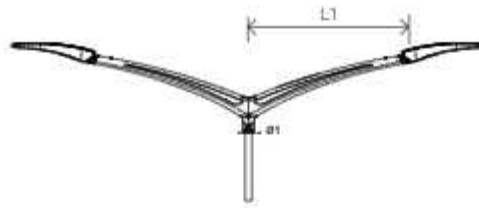
DIMENSIONS
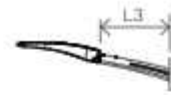
L1	480mm	19"	Ø1	60mm	2.5"
	1100mm	43"		76mm	3"
L2	480mm	19"			

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm
Decorative option	Integrated static coloured LEDs

RECOMMENDED LUMINAIRES

AMPERA · AXIA 2 · AXIA 3 · CITEA NG2 · FLEXIA

IZYLUM · PIANO · TECEO · YMERA · YOA

POLES & BRACKETS

EQUINOXE

RANGE

9.5m / 30'	
8.5m / 26'	
7.5m / 23'	
6.5m / 21'	

DIMENSIONS

L1	1330mm | 52.5"	L2	1280mm | 61"
	1830mm | 72"	Pole Ø	110mm | 4.5"
	2940mm | 104.5"		

RECOMMENDED LUMINAIRES

CITEA NG2   FLEXIA

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry 40x40 square

POLES & BRACKETS

EVENS

RANGE

5m / 16.4'

4m / 13'

DIMENSIONS

POST-TOP FOR SIDE-ENTRY MOUNTING Ø60	POST-TOP WITH CITEA NG2	POST-TOP WITH FLEXIA	WALL BRACKET FOR SUSPENDED LUMINAIRE	WALL BRACKET FOR POST-TOP LUMINAIRE

L1	580mm	23"	L2	550mm	21.5"
Ø1	76mm	3"			

GENERAL INFORMATION

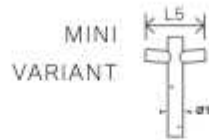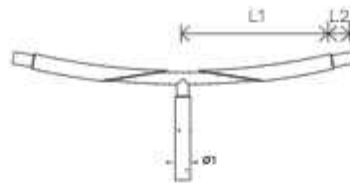| Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry 40x40 square Suspended 1" gas male Post-top slip-over – Ø60mm

RECOMMENDED LUMINAIRES

ALBANY   ALURA LED   CALLA LED   CITEA NG2   FLEXIA

FRIZA   HAPILED   INOA LED   ISLA LED   KIO LED

OYO   PILZEO   SHUFFLE POST-TOP   STYLAGE   TWIXX

VALENTINO GEN2   ZELA   ZYLINDO

FLO

RANGE

10m / 32'	
9m / 30'	
8m / 26'	
7m / 22'	
6m / 20'	
5m / 16'	
4m / 13'	
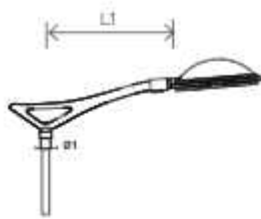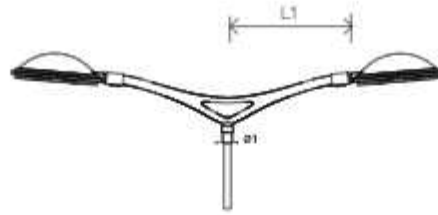
DIMENSIONS
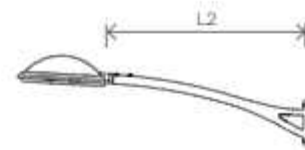
L1	790mm | 31"	L2	1250mm | 49"
	1250mm | 49"	Ø1	76mm | 3"

GENERAL INFORMATION

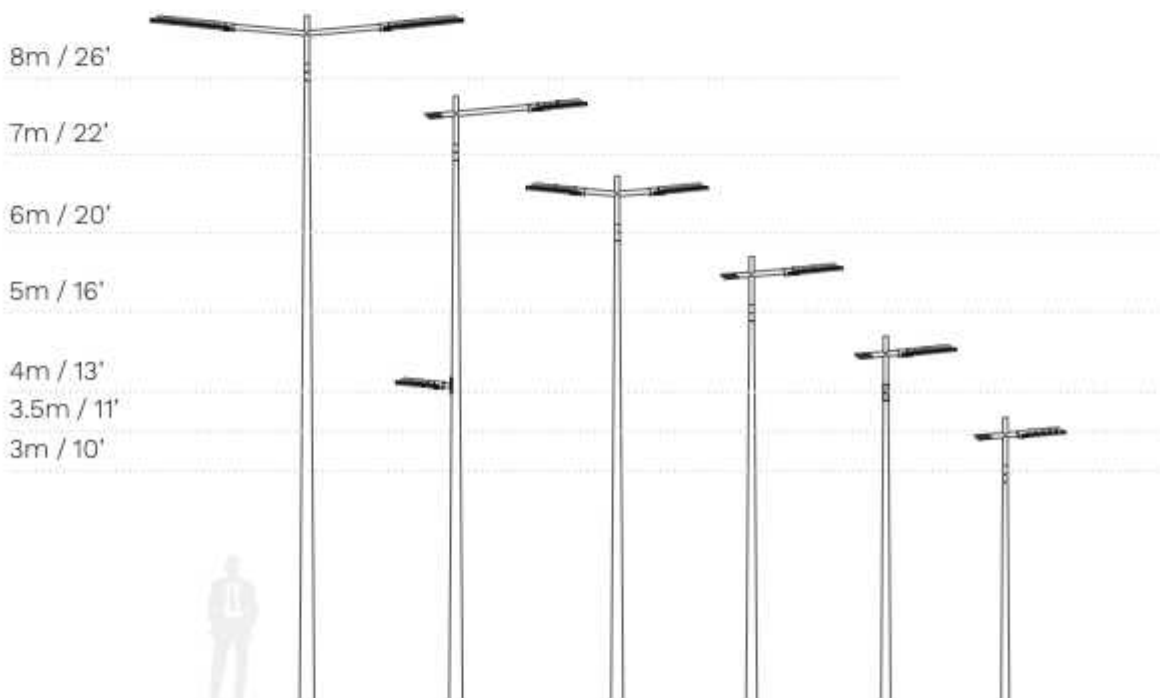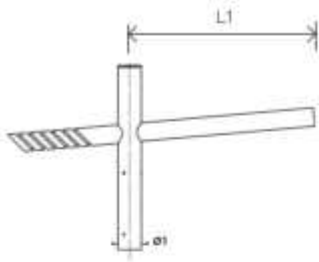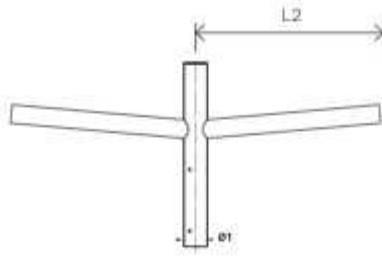| Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm

RECOMMENDED LUMINAIRES

AMPERA   AXIA 2   AXIA 3   CITEA NG2   FLEXIA

IZYLUM   PIANO   TECÉO   YMERA   YOA

POLES & BRACKETS

ITO

RANGE

8m / 26'

6m / 20'

4m / 13'

DIMENSIONS

SINGLE BRACKETS

MINI
VARIANT

DOUBLE BRACKETS

MINI
VARIANT

WALL/REAR BRACKETS

MINI
VARIANT

L1	750mm | 30"	L4	150mm | 6"
	1250mm | 49"	L5	300mm | 12"
L2	100mm | 4"	Ø1	76mm | 3"
L3	750mm | 30"		

GENERAL INFORMATION

Material	Galvanised steel
Finishing	Liquid paint
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm

RECOMMENDED LUMINAIRES

AMPERA

AXIA 2

AXIA 3

CITEA NG2

FLEXIA

IZYLUM

PIANO

TECEO

YMERA

KEMA

RANGE

10m / 33'

8m / 26'

6m / 20'

DIMENSIONS

SINGLE BRACKETS

DOUBLE BRACKETS
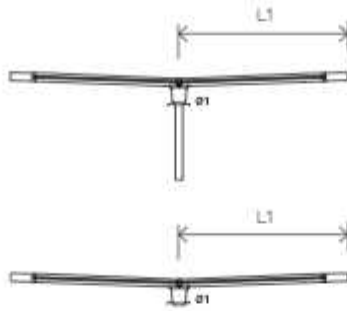
WALL/REAR BRACKETS
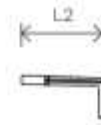
| L1 | 1115mm | 44" | Ø1 | 76mm | 3" |
| L2 | 514mm | 20.2" | | |

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm

RECOMMENDED LUMINAIRES

AMPERA

AXIA 2

AXIA 3

CITEA NG2

FLEXIA

IZYLUM

PIANO

TECEO

YMERA

YOA

KORDA

Design: Michel Tortel

RANGE

8m / 26'

7m / 22'

6m / 20'

5m / 16'

4m / 13'
3.5m / 11'
3m / 10'

DIMENSIONS

SINGLE BRACKETS

DOUBLE BRACKETS

WALL/REAR BRACKETS

L1		L2	
	250mm | 10"		250mm | 10"
	500mm | 20"		500mm | 20"
	750mm | 30"		750mm | 30"
	1000mm | 40"		1000mm | 40"
	1250mm | 50"	Ø1	60/76mm | 2.5"/3"
	1250mm | 50"		

GENERAL INFORMATION

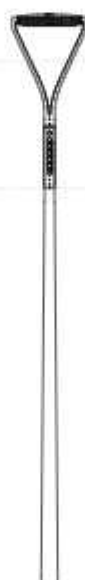| Material	Galvanised steel
Finishing	Liquid paint
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm

RECOMMENDED LUMINAIRES

AMPERA

AXIA 2

AXIA 3

CITEA NG2

FLEXIA

IZYLUM

PIANO

TECEO

YMERA

YOA

LUCEA

Design: Michel Tortel

RANGE

10m / 32'	
9m / 29'	
4m / 13'	
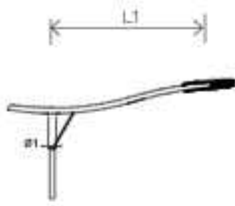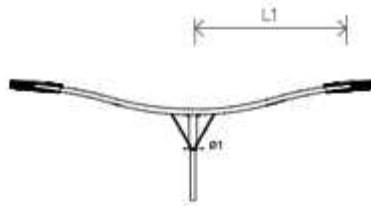
DIMENSIONS

L1	1500mm | 60"	L2	710mm | 28"
	1600mm | 63"	Ø1	76mm | 3"

RECOMMENDED LUMINAIRES

YOA

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Stirrup fork prepared (YOA specific)

LUTECIA

RANGE

9m / 30'

8m / 26'

7m / 23'

6m / 20'

5m / 16'

4m / 13'

DIMENSIONS

SINGLE BRACKET

DOUBLE BRACKET
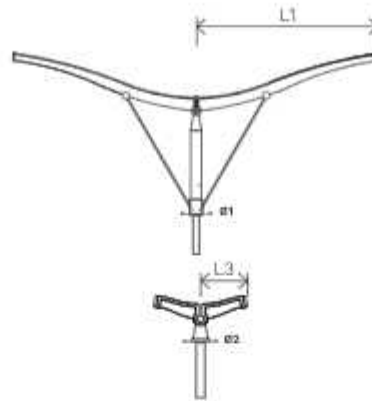
WALL/REAR BRACKETS

L1	1700mm	67"	Ø1	120mm	4.5"
L2	245mm	9.7"		
L3	240mm	9.5"	Ø2	100mm	4"

GENERAL INFORMATION

Material	Galvanised steel or aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry 40x40 square

RECOMMENDED LUMINAIRES

CITEA NG2

FLEXIA

LYRE YOA

Design: Michel Tortel

RANGE

4m / 13'

3m / 10'

DIMENSIONS

WITH EMBELLISHMENT

L1
L2
L3
Ø1

WITHOUT EMBELLISHMENT

L1
L2
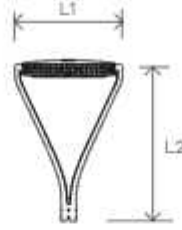
L1	565mm | 22"	L3	460mm | 18"
L2	850mm | 33.5"	Ø1	76mm | 3"

RECOMMENDED LUMINAIRES

YOA

GENERAL INFORMATION

Material	Aluminium or galvanised steel (variants without embellisment)
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Stirrup fork prepared (YOA specific)

MILLA

RANGE

8m / 26'

4.5m / 14.8'

DIMENSIONS

L1	1200mm | 47"	Ø1	76mm | 3"
L2	500mm | 20"		

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm

RECOMMENDED LUMINAIRES

AMPERA

AXIA 2

AXIA 3

CITEA NG2

FLEXIA

IZYLUM

PIANO

TECEO

YMERA

YOA

POLES & BRACKETS

SOFIA

RANGE

8m / 26'		
6m / 20'		
4m / 13'		

DIMENSIONS

L1	400mm | 16"	Ø1	60mm | 2.5"
	1200mm | 47"	Ø1	76mm | 3"
L2	415mm | 16.5"		

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	No mounting (FLEXIA specific)

RECOMMENDED LUMINAIRES

FLEXIA FG   FLEXIA POEME   FLEXIA QUERCUS

SAINT REMY

RANGE

DIMENSIONS
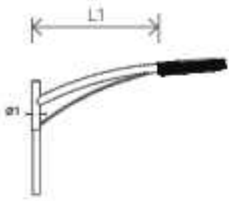
SINGLE BRACKETS

DOUBLE BRACKETS
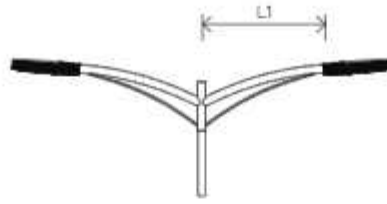
WALL/REAR BRACKETS
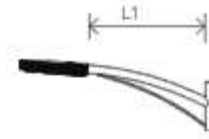
L1	500mm	20"	Ø1	60mm	2.5"
	1000mm	40"		

GENERAL INFORMATION

Material	Galvanised steel
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm

RECOMMENDED LUMINAIRES

AMPERA

AVENTO

AXIA 2

CITEA NG2

FLEXIA

IZYLUM

PIANO

TECEO

YMERA

YOA

STADIO

RANGE

9m / 29.5'	
8m / 26.2'	
6m / 19.7'	
4.5m / 13.1'	

DIMENSIONS

SINGLE BRACKETS

DOUBLE BRACKETS
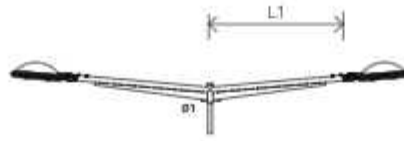
WALL/REAR BRACKETS

L1	500mm	20"	Ø1	60mm	2.4"
	1000mm	40"			
	1500mm	60"			

GENERAL INFORMATION

Material	Galvanised steel
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm

RECOMMENDED LUMINAIRES

AMPERA   AVENTO   AXIA 2   CITEA NG2   FLEXIA

IZYLUM   PIANO   TECEO   YMERA   YOA

STYLAGE

Design: Michel Tortel

RANGE

8m / 26.2'

6m / 19.7'

5m / 16.4'

4m / 13.1'
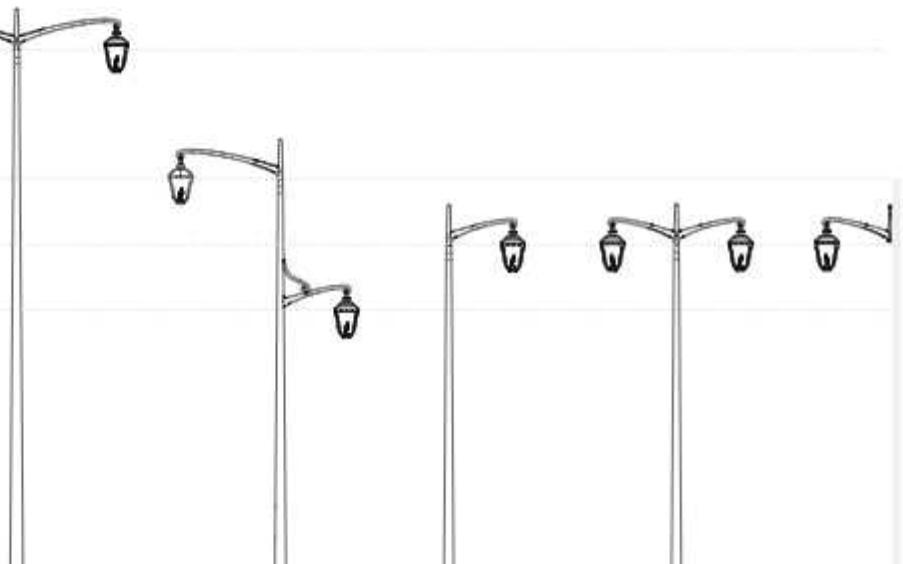
DIMENSIONS
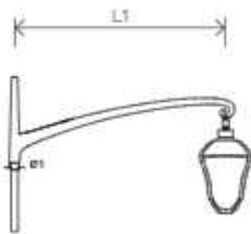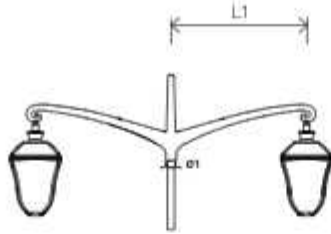
SINGLE BRACKETS	DOUBLE BRACKETS	REAR BRACKET	WALL BRACKET
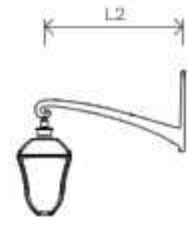
L1	980mm | 38.5"	L2	976mm | 38.5"
	1530mm | 60"	Ø1	76mm | 3"

RECOMMENDED LUMINAIRES

ALBANY   CITEA NG2   FLEXIA   STYLAGE

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Suspended 1" gas male

TRESSA

RANGE

9m / 30'

8m / 26'

4m / 13'

DIMENSIONS
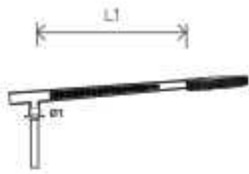
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DOUBLE BRACKET
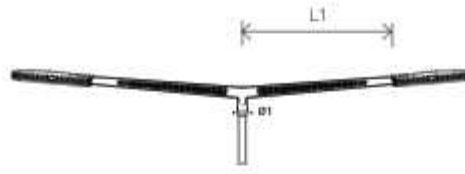
WALL/REAR BRACKETS

L1	1320mm | 52"		Ø1	76mm | 3"
L3	480mm | 19"			

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm
Decorative option	Integrated static coloured LEDs

RECOMMENDED LUMINAIRES

AMPERA AXIA 2 AXIA 2 CITEA NG2 FLEXIA

IZYLUM PIANO TECEO YMERA YOA

VECTOR

RANGE

10m / 33'

8m / 26'

5m / 16.5'

DIMENSIONS

SINGLE BRACKET
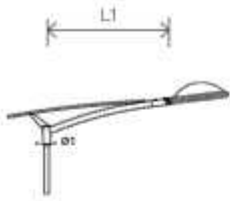
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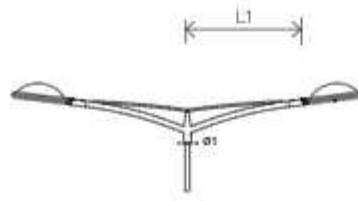
WALL/REAR BRACKETS

L1	1200mm	47"	Ø1	76mm	3"
L2	775mm	30.5"		
	1225mm	48"		

GENERAL INFORMATION

Material	Galvanised steel
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm Side-entry penetrating Ø60mm

RECOMMENDED LUMINAIRES

AMPERA

AXIA 2

AXIA 2

CITEA NG2

FLEXIA

IZYLUM

PIANO

TECEO

YMERA

YOA

YOHO

Design: Michel Tortel

RANGE

8m / 26'

6m / 20'

4.5m / 13'
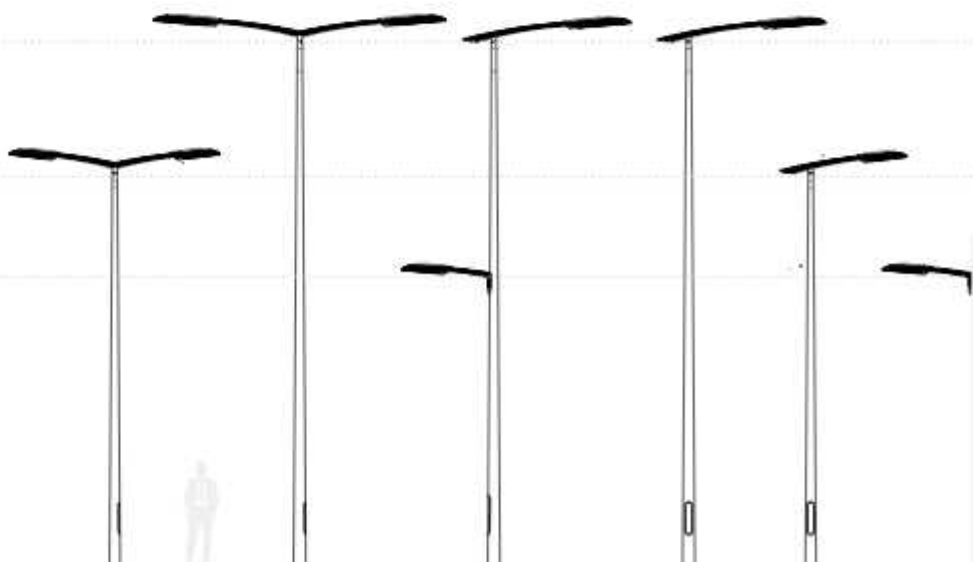
DIMENSIONS

SINGLE BRACKETS
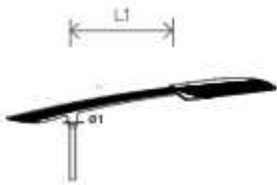
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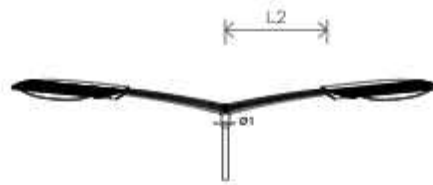
WALL/REAR BRACKETS

L1	850mm | 33.5"		L3	747mm | 29.5"
	1200mm | 47"		Ø1	76mm | 3"
L2	990mm | 39"			
	1340mm | 53"			

GENERAL INFORMATION

Material	Aluminium
Finishing	Polyester powder coating
Colour	AKZO 900 grey sanded Any other RAL or AKZO colour
Seaside coating	Available on request
Cable puller	Included as an option
Luminaire mounting compatibility	Side-entry slip-over Ø60mm

RECOMMENDED LUMINAIRES

IZYLUM

PIANO

TUNNEL

HUGUENOT TUNNEL

66 **Solutions providing safe, comfortable lighting for motorists and cyclists, with operational benefits** 99

Schréder

TUNNEL

PRODUCT RANGE

TFEX

LENSO FLEX® 4 — PHOTOMETRY
ATS4 — CONTROL
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY

TFEX LINE

CONTI FLEX™ — PHOTOMETRY
ATS4 — CONTROL

TFEX STS

LENSO FLEX® 4 — PHOTOMETRY
ATS4 — CONTROL
SMART LABEL — SERVICES
CIRCLELIGHT — SUSTAINABILITY

TAG

LENSO FLEX® 2 | RE FLEXO™ | LENSO FLEX® 3 — PHOTOMETRY
ATS4 — CONTROL

GL2 COMPACT

LENSO FLEX® 2 — PHOTOMETRY
ATS4 — CONTROL
SMART LABEL — SERVICES

CONTILED

LENSO FLEX® 2 | CONTI FLEX™ — PHOTOMETRY
ATS4 — CONTROL

TLI

LENSO FLEX® 2 | RE FLEXO™ — PHOTOMETRY
ATS4 — CONTROL

FV32 LED

LENSO FLEX® 2 | RE FLEXO™ — PHOTOMETRY
ATS4 — CONTROL

The most complete tunnel lighting control system

Jointly developed with Phoenix Contact, the Advanced Tunnel System 4 (ATS 4) is a powerful tunnel lighting control system enabling precise remote dimming and switching of each connected luminaire, based on various tunnel parameter inputs.

This innovative tool can constantly **adapt the lighting levels according to specific tunnel conditions,** such as weather, traffic speed and density, and other sensor inputs such as dirt accumulation, wall reflectance, etc. **It monitors the power consumption and reports any failures.**

As the system integrates the initial tunnel lighting study and uses the industrial BUS for individual auto-addressing, **the ATS speeds up the commissioning process, saving valuable time and resources on-site.**

KEY ADVANTAGES

> **Improve reactivity to any sudden changes in the tunnel**

> **Maximise energy savings thanks to highly efficient dimming**

> **Easy to install and configure**

> **Reduce commissioning time significantly (up to 75%)**

> **Reduce on-site interventions**

> **Compliant with the highest cybersecurity standards (NIS EU 2016/1148 - IEC62443)**

CREATE SAFE
ENVIRONMENTS
FOR USERS

ENABLE
MOBILITY

DESIGN
SUSTAINABLE
TUNNELS

GENERATE
SIGNIFICANT TIME
AND COST SAVINGS

Click for more information

ATS⁴

Based on Industry 4.0 technologies

ASSET MANAGEMENT SOLUTION

REPORTS

MAINTENANCE MODULE

XLS FILE FOR PREDICTIONS

Modbus

PROFI NETT®

Schréder tunnel solutions are based on the Profinet/Modbus technical standard for data communication over Industrial Ethernet, designed fo collecting data from, and controlling, equipment in industrial systems.

TRAFFIC FUNCTIONS

NETWORK INFRASTRUCTURE

ENERGY SUPPLY

UTILITIES

VENTILATION

FIRE DETECTION

SAFETY

Modbus cloud/ industrial bus safety-related data management system

√ Real-time tunnel data analysis

√ Lighting component maintenance management

Tunnel Control System (TCS 4/ATS 4)

√ Mapping luminaires

√ Data visualisation

√ Emergency scenarios

√ Luminance sensor reading

√ Alarm function

√ Customisable

TCS 4

ATS⁴

L20 luminance meter

√ Luminance measurement

√ Data reporting to ATS

L20 luminance meter

L20 luminance meter

Lumgate RS422 closed loop device

√ Light switching and dimming

√ Luminaire failure reports

√ CE and UL compliant

PHŒNIX CONTACT | **Schréder**
PARTNERS IN TUNNEL INNOVATION

TUNNEL

Tunnel lighting control solution over a DALI network protocol

Provides the essential control functions of the ATS 4 in a **lean feature set.**

Enables **coordinated dimming and switching** of groups of luminaires for even more **savings.**

Equipped with a fully featured **powerful lighting control software.** No additional interface is required.

The ideal **solution** for basic tunnels or interior zones of long tunnels.

✓ Optimised installation

The ATS 4 DALI cabinet constantly communicates with the ATS 4 DALI boxes. Equipped with multiple DALI outputs (up to 8 DALI masters), the DALI boxes send commands to or receive data from groups of luminaires. This type of system architecture provides an optimised solution for specific tunnel needs.

✓ Standard cabling

The ATS 4 DALI benefits from a complete set of toolless standard cables and quick-on connectors, considerably speeding up cabling and saving valuable time on-site.

	ATS⁴ DALI	ATS⁴
COMMUNICATION TYPE	DALI network	Industrial bus communication
INSTALLATION TYPE	Luminaires/driver box equipped with DALI drivers	Luminaires/driver boxes equipped with Lumgate
LIGHTING CONTROL	Broadcast command (one order per luminaire segment)	Individual control (one order per luminaire)
MAINTENANCE	Group failure indication	Precise failure location
CABLE TYPE	Standard cables	Bus communication cables
MAX. CIRCUIT CABLE LENGTH	Up to 300m per entire segment	Up to 400m between two devices
INSTALLATION	Toolless plug-and-play system	
SYSTEM CAPACITY	2 to 8 DALI masters per ATS 4 DALI box	240 Lumgates per ATS 4
IDEAL FOR	Basic tunnels or interior zones	Complex tunnel architecture or entrance areas

TFLEX

TUNNELS &
UNDERPASSES

The all-rounder powerful tunnel lighting platform

TFLEX is a revolutionary, modular-based platform for an enhanced road tunnel lighting experience.

TFLEX provides optimised, energy-efficient solutions for the various typical tunnel zones from entry to exit, taking into account all design factors and traffic conditions that affect safety, notably traffic characteristics, types of user, tunnel length and geometry.

An advanced, fully integrated system with lighting and control, it guarantees the lowest energy consumption while respecting the most stringent tunnel lighting requirements and standards.

With the latest digital and optical technology, TFLEX ensures high visual performance for an improved driving experience.

TFLEX	BASE	MODULE 1 COMBI 1	MODULE 2 COMBI 2	MODULE 3 COMBI 3
Typical luminaire output flux (range)	3,200 to 21,500lm	13,000 to 33,000lm	19,600 to 66,000lm	69,700 to 91,100lm
Power consumption	22.9W to 135W	86W to 254W	128W to 508W	508W to 624W
Colour temperature	Neutral white 740			
Nominal voltage	220-240V / 277V / 347-480V / 50-60Hz			
Surge protection	10 / 20kV			

IP 66/69   IK 09   IK 10   UL 1598 CSA C22.2 No. 250.0   UK CA
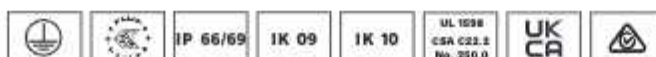
> **Flexibility:** modular approach with wide range of lighting distributions

> **Compact, lightweight and easy to install**

> **Two electrical circuits for enhanced dimming possibilities, optimised power factor and longer lifespan**

> **High-power LED solution to replace HID luminaires in the entrance and interior zones**

> **Separate housings for gear (DRIVE) and optical units (MODULE/COMBI) for optimised thermal management in high-power applications**

> **Tool-free access for easy maintenance**

DIMENSIONS

TFLEX	BASE	MODULE 1	MODULE 2	MODULE 3	COMBI 1	COMBI 2	COMBI 3
A	415mm | 16.3"	391mm | 15.4"	780mm | 30.7"	1170mm |46.1"	860mm |33.9"	1247mm |49.1"	1635mm |64.4"
B	244mm | 9.6"	116.5mm | 4.6"	116.5mm | 4.6"	116.5mm | 4.6"	117mm | 4.6"	117mm | 4.6"	117mm | 4.6"
C	488mm | 19.2"	385mm | 15.3"	385mm | 15.3"	385mm | 15.3"	440mm | 17.3"	440mm | 17.3"	440mm | 17.3"
KG	11kg | 24.2lbs	8kg | 17.6lbs	15kg | 33lbs	23kg | 50.6lbs	16kg | 35.2lbs	23kg | 50.6lbs	32kg | 70.4lbs

Weight and dimensions may be different according to the fixation system. Please consult us.

TFLEX BASE

TFLEX MODULE

TFLEX COMBI

TUNNEL
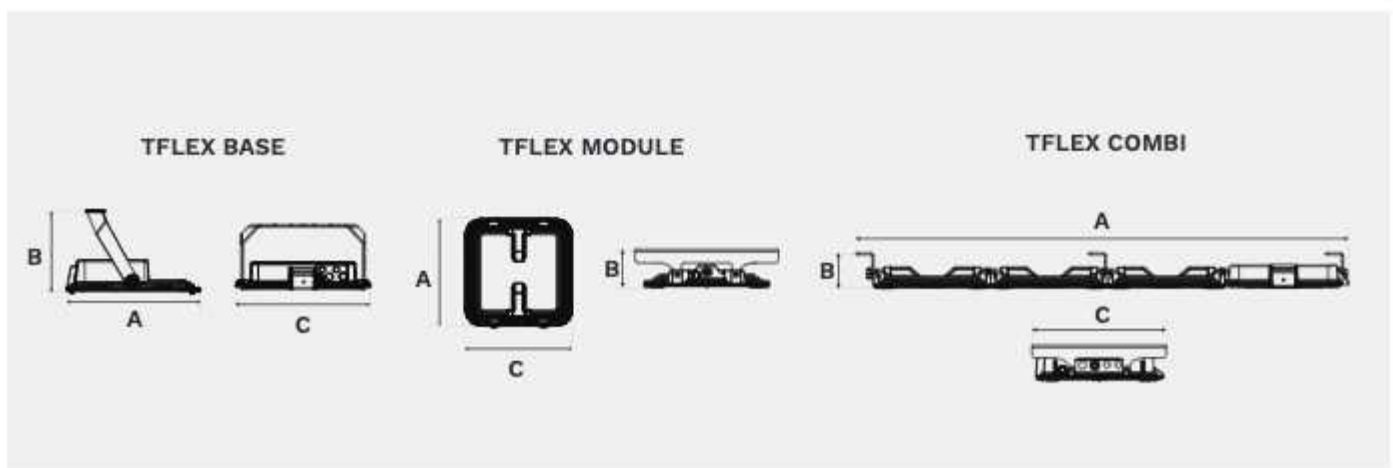
DESIGN HIGHLIGHTS

The TFLEX platform is built around a tool-free philosophy for opening/closing as well as power, control and internal cabling.

The preassembled tool-free fire-rated cables and connectors used for TFLEX reduce installation time and improve quality and reliability.

Designed with two electronic circuits, TFLEX enables constant dimming with an optimised power factor.

The TFLEX range offers various mounting options for ceiling or wall mounting with fixed or tiltable fixations.

MOUNTING OPTIONS

BASE – 4 slots for tie-rod mounting

BASE – short bracket

BASE – long bracket

BASE, COMBI & MODULE – Hook fixation

BASE – Adjustable fixation 3G compliant

COMBI & MODULE – standard fixed brackets

COMBI & MODULE – adjustable swivelling mounting
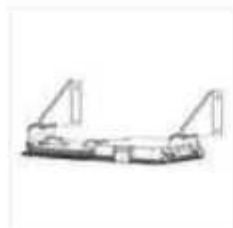
COMBI & MODULE – pull-out swivelling wall mounting

COMBI & MODULE – adjustable swivelling wall mounting

COMBI – pull-out swivelling suspended mounting

TFLEX STS
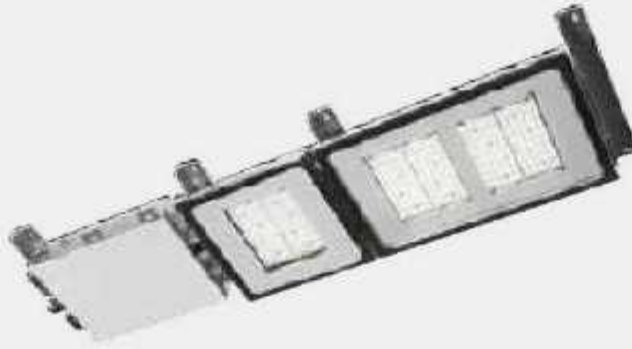
TUNNELS & UNDERPASSES

Modular-based, highly corrosion-resistant tunnel lighting solution

TFLEX STS is a modular-based lighting solution designed for enhancing and securing the road tunnel driving experience in highly-corrosive environments.

Made of highly corrosion-resistant stainless steel, TFLEX STS COMBI provides a powerful yet robust solution for tunnels with harsh environments.

TFLEX STS COMBI offers an advanced, fully integrated system with lighting, cabling and control, guaranteeing the lowest energy consumption while respecting the most stringent tunnel lighting requirements and standards.

TFLEX STS	BASE 40	COMBI/MODULE 40	COMBI/MODULE 60	COMBI/MODULE 100
Typical luminaire output flux (range)	3,100 to 19,500lm	13,200 to 28,900lm	26,500 to 57,800lm	63,800 to 86,700lm
Power consumption	23W to 135W	86W to 204W	172W to 408W	472W to 602W
Colour temperature	Neutral white 740			
Nominal voltage	220-240V / 277V / 347-480V 50-60Hz			
Surge protection	10 / 20kV			

UL 1598 CSA C22.2 No. 250.0 | IP 66 | IK 09

> Flexibility: modular approach with wide range of lighting distributions

> High quality, robust materials

> Designed for long-lasting performance

> Tool-free access for easy maintenance

> Made of high-grade anti-corrosive stainless steel

> Optimised thermal dissipation that results in higher photometrical performance

DIMENSIONS

TFLEX STS	BASE HD40	MODULE 40	MODULE 60	MODULE 100	COMBI 40	COMBI 60	COMBI 100
A	444mm | 17.5"	440mm | 17.32"	440mm | 17.32"	440mm | 17.32"	440mm | 17.32"	440mm | 17.32"	440mm | 17.32"
B	118mm | 4.6"	122mm | 4.8"	122mm | 4.8"	122mm | 4.8"	122mm | 4.8"	122mm | 4.8"	122mm | 4.8"
C	435mm | 17.1"	468.4mm | 18.4"	698.4mm | 27.5"	1093.4mm | 43"	1016.4mm | 40"	1246.4mm | 49"	1641.4mm | 65"
KG	10kg | 22lbs	12.3 kg | 27.1 lbs	16.2 to 17.3kg | 37 to 38.1lbs	26.8 to 28kg | 59 to 61.6lbs	25kg | 55lbs	28.9 to 30kg | 63 to 66lbs	39.8 to 41kg | 87 to 90.2lbs

Weight and dimensions may vary according to the configuration. Please consult us.

TFLEX STS BASE 40

TFLEX STS MODULE

TFLEX STS COMBI
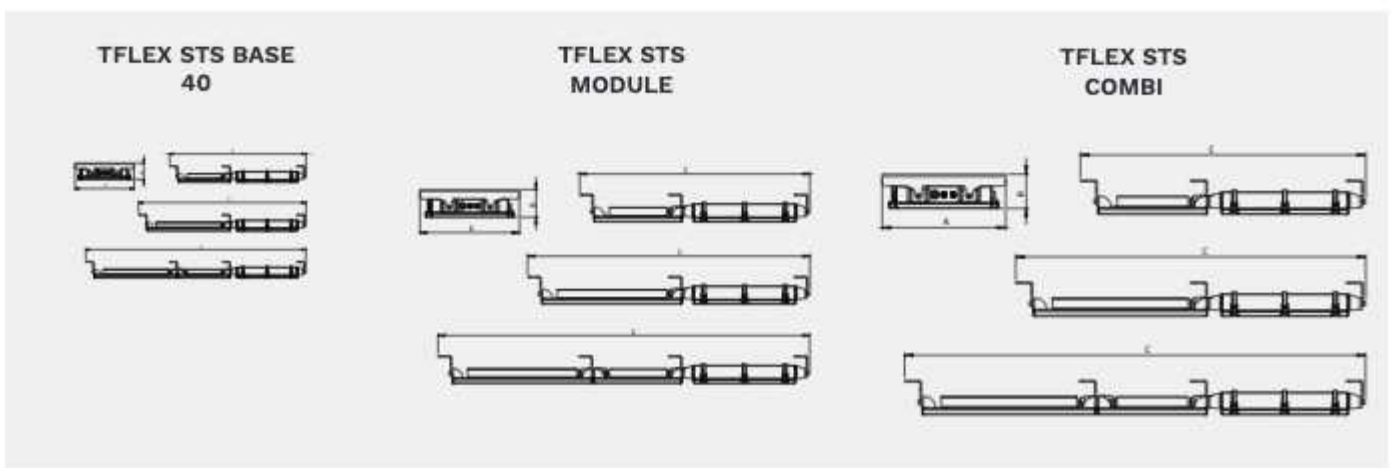
TUNNEL

TFLEX LINE

The complete solution for continuous tunnel lighting

TUNNELS & UNDERPASSES

TFLEX LINE has been developed as the continuation of the TFLEX tunnel solution, offering a continuous LED line designed to provide perfect visual guidance in the most complex tunnel zones with maximum efficiency.

With its slim-line design and linear-shaped light sources, TFLEX LINE is the perfect replacement for fluorescent tubes. Its improved photometric engines lead to unrivalled visual performance, creating perfect light uniformity everywhere in the tunnel while significantly reducing energy consumption.

This continuous LED line is available in various lengths with multiple photometric distributions, making it suitable for any kind of tunnel project.

TFLEX LINE is a complete solution, available with integrated connectors and deliverable with a set of preassembled cables in custom lengths to fit any tunnel length and geometry.

TFLEX LINE	60	120	200
Typical luminaire output flux (range)	700 to 4,600lm	1,400 to 9,300lm	1,400 to 14,100lm
Colour temperature		Neutral white 740	

IP 66/69 IK 08 UK CA UL 1598 CSA C22.2 No. 250.0

KEY ADVANTAGES

> **High visual comfort through continuous line lighting**

> **Various lengths for continuous line installation**

> **Excellent uniformity and significant energy savings**

> **Two electrical circuits for enhanced dimming possibilities, optimised power factor and longer lifespan**

> **Remote gear boxes for versatile mounting**

> **Designed for long-lasting performance**

DIMENSIONS | MOUNTING

TFLEX LINE	60	120	200
A	130mm | 5.1"	130mm | 5.1"	130mm | 5.1"
B	76.6mm | 3.0"	76.6mm | 3.0"	76.6mm | 3.0"
C	611mm | 24.1"	1200mm | 47.2"	2000mm | 78.7"
KG	3.4kg | 7.5lbs	5.9kg | 13.0lbs	9.6kg | 21.0lbs
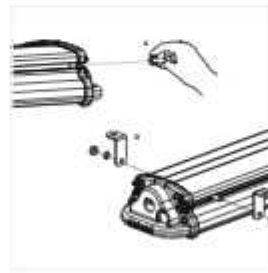
L-SHAPED BRACKETS

CLIP MOUNTING

TUNNEL

TAG
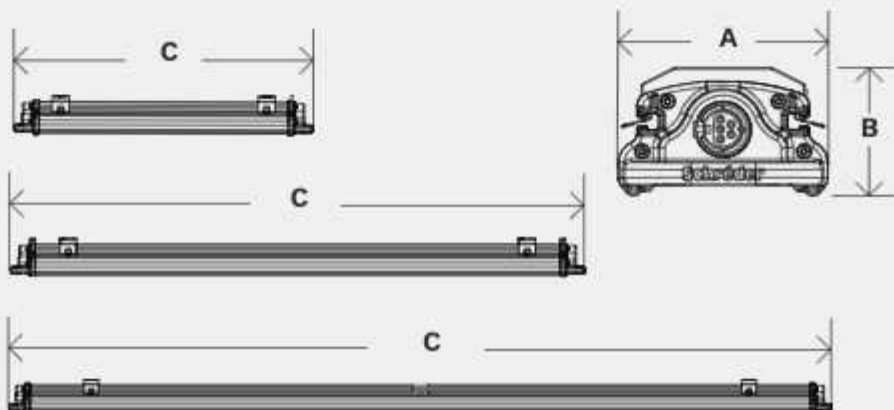
TUNNELS &
UNDERPASSES

Powerful tunnel lighting solution

TAG takes advantage of the latest innovations to offer a compact, lightweight, easy-to-install, versatile and powerful tunnel lighting solution.

With TAG, Schréder is exploiting the full potential of the latest digital technology to improve tunnel environments. The flat, compact and robust mechanical design of the TAG minimises mounting constraints and ensures that the optical units occupy little space in the tunnel ceiling.

The TAG range is not only designed to reduce investment. It is also optimised to provide state-of-the-art lighting that guarantees a safe and comfortable driving experience for motorists with significant energy and maintenance savings for tunnel operators.

TAG benefits from Schréder's long-standing expertise in tunnel lighting. This new range is fully compliant with the most stringent standards and can be managed by the Advanced Tunnel control System (ATS) from Schréder, to offer the biggest savings while providing an optimal experience for drivers.

TAG	1	2
Recommended installation height	4 to 6m / 13' to 20'	
Typical luminaire output flux (range)	7000 to 26,200lm	16,500 to 56,500lm
Colour temperature	Neutral white 740	

UL 1598
CSA C22.2
No. 250.0
IP 66
IK 08

> **High-power LED solution to replace HID luminaires in the entrance and interior zones**

> **Available in two sizes and in various configurations to cover all tunnel lighting requirements**

> **Compact, lightweight and easy to install**

> **Two electrical circuits for enhanced dimming possibilities, optimised power factor and longer lifespan**

> **Remote gear boxes for versatile mounting (up to 3 TAGs per gear box)**

> **Wide range of lighting distributions to suit numerous tunnel configurations**
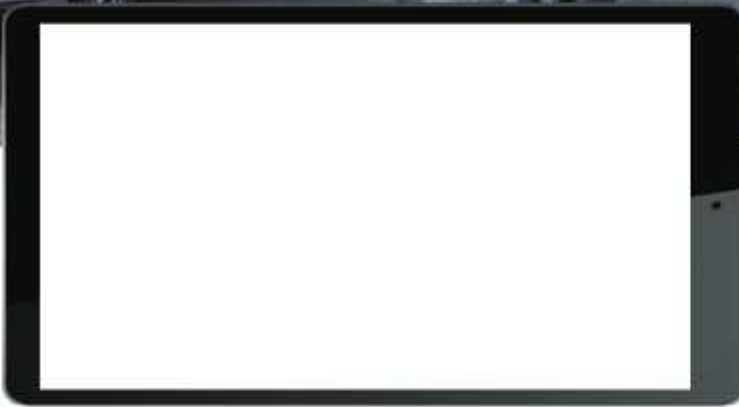
DIMENSIONS | MOUNTING

TAG	1	2	CBL
A	350mm | 13.8"	611mm | 24.0"	611mm | 24.0"
B	80mm | 3.1"	80mm | 3.1"	103mm | 4.1"
C	280mm | 11"	280mm | 11"	280mm | 11"
KG	4.3kg | 9.5lbs	7.85kg | 17.3lbs	8.4kg | 18.5lbs

TUNNEL
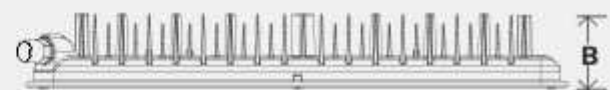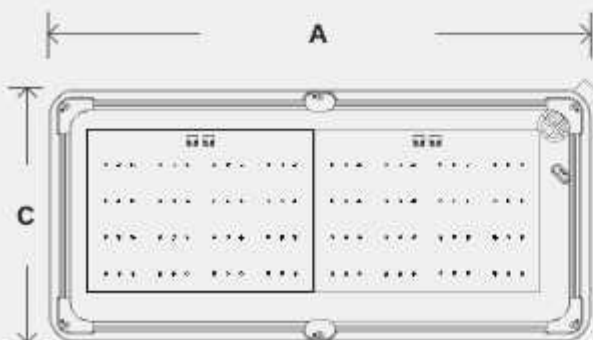
DESIGN HIGHLIGHTS

The TAG range includes a new generation of IP 66 gear boxes.

TAG is equipped with quick-on QPD connectors.

Depending on the configuration, up to 3 TAGs can be powered by the same gear box

Designed with two electronic circuits, TAG can either be dimmed completely, partially or even have 50% of its LEDs switched off.

MOUNTING OPTIONS

Fixed brackets

Suspended swivelling pull-out

Suspended swivelling adjustable

Wall swivelling pull-out
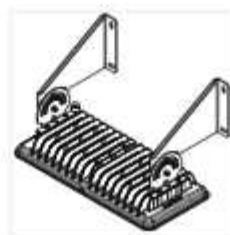
Wall swivelling adjustable

CONTILED

TUNNELS &
UNDERPASSES

Continuous LED line for tunnel lighting

CONTILED is designed to provide a beneficial alternative to luminaires fitted with fluorescent lamps for continuous line lighting in tunnels and underpasses.

It not only provides the required lighting levels with significant energy savings but also great visual comfort to guide motorists safely.

CONTILED is an IP 66 sealed optical unit, offering variable combinations of modules equipped with 8 to 64 LEDs and various optics, to be combined with a remote driver box. It has been designed to meet the specific needs of many different tunnel applications.

The LED modules are located on an internal slider, which can be easily removed, allowing replacement at the end of its service life in order to take advantage of future technological improvements.

CONTILED	1	2
Typical luminaire output flux (range)	1,100 to 8,500lm	2,200 to 17,100lm
Colour temperature	Neutral white 740	

IP 66 | IK 08 | UL 1598 CSA C22.2 No. 250.0 | UK CA

> **High visual comfort through continuous line lighting**

> **2 photometrical concepts: LensoFlex®2 and ContiFlex™**

> **Flexible solution: extruded aluminium profile to adjust number of LEDs for tunnel requirements**

> **Maximised savings in energy and maintenance costs**

> **Remote gear boxes for versatile mounting**

> **Control system can be integrated into a tunnel backbone system**

DIMENSIONS | MOUNTING

CONTILED	1	2
A	133mm | 5.2"	133mm | 5.2"
B	71mm | 2.8"	71mm | 2.8"
C	602mm | 23.7"	1202mm | 47.3"
KG	7kg | 15.4lbs	14kg | 30.8lbs

CONTILED is designed for surface mounting with dedicated adjustable brackets.
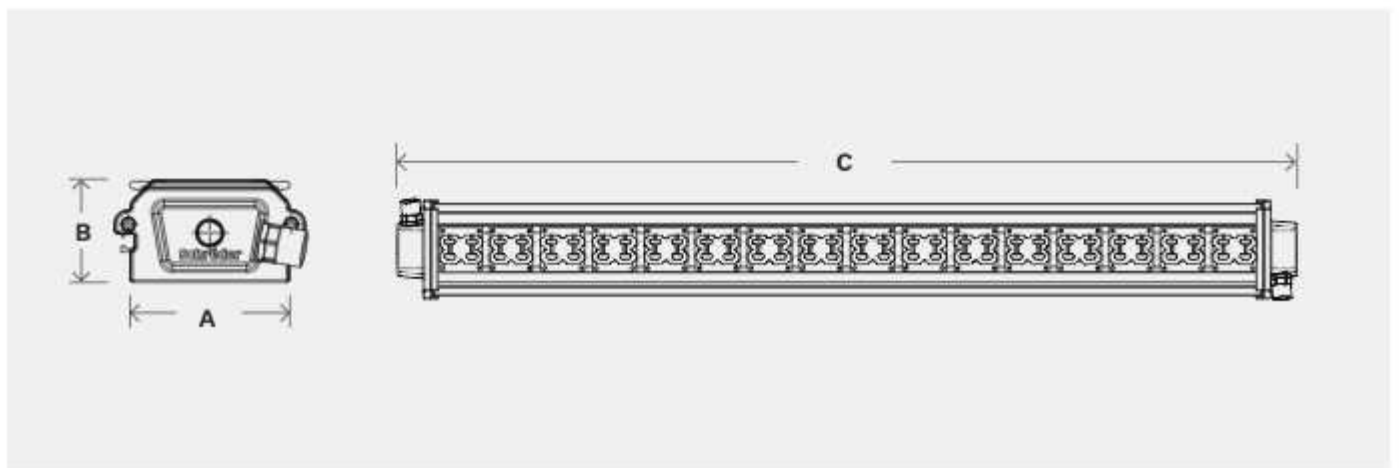
TUNNEL

GL2 COMPACT

TUNNELS & UNDERPASSES

INDUSTRIAL HALLS & WAREHOUSES

Compact, powerful and efficient LED lighting solution

GL2 COMPACT offers a unique combination of features in a slender housing for lighting the entrance, threshold and interior zones of a tunnel.

Available in five sizes and with various lumen packages, GL2 COMPACT offers high resistance to water, dust ingress and impacts.

The photometry of GL2 COMPACT can be either symmetrical or asymmetrical to adapt to the tunnel layout. This lighting solution offers uniform lighting and superior visibility in critical areas such as the entrance and exit zones of a tunnel.

GL2 COMPACT offers several mounting possibilities. For example, it can be fixed directly onto a cable rack.

The photometry can be adjusted on-site thanks to a tiltable bracket.

GL2 COMPACT guarantees long-lasting performance with minimum maintenance.

GL2 COMPACT	1	2	3	4	5
Typical luminaire output flux (range)	2,300 to 4,700lm	4,600 to 9,400lm	6,900 to 14,100lm	9,200 to 18,800lm	11,500 to 28,200lm
Power consumption	18.1W to 36.3W	35.7W to 72W	52 to 104W	67.5W to 137W	87W to 216W
Colour temperature	Warm white 730 or neutral white 740				
Nominal voltage	220-240V / 120-277V / 347-480V 50-60hz				
Surge protection	4 / 10kV				

UL 1598 CSA C22.2 No. 250.0 | IP 66 | IK 08

> **Maximised savings in energy and maintenance costs**
> **High tightness level and excellent heat dissipation for long lasting performance**
> **High level of protection against corrosion, impacts and vibrations**
> **LensoFlex®2 technology offering high performance photometry, comfort and safety**
> **Two electrical circuits for enhanced dimming possibilities, optimised power factor and longer lifespan**
> **On-site adjustment for optimal photometry**

DIMENSIONS | MOUNTING

GL2 COMPACT	1	2	3	4	5
A	193mm | 7.6"	193mm | 7.6"	193mm | 7.6"	193mm | 7.6"	193mm | 7.6"
B	137mm | 5.4"	137mm | 5.4"	137mm | 5.4"	137mm | 5.4"	137mm | 5.4"
C	338mm | 13.3"	468mm | 18.4"	538mm | 21.2"	718mm | 28.3"	1058mm | 41.7"
KG	4kg | 8.8lbs	5.3kg | 11.7lbs	6kg | 13.2lbs	8kg | 17.6lbs	11.5kg | 25.3lbs

GL2 COMPACT is proposed with various direct and swivelling mounting options.

TUNNEL

TLI
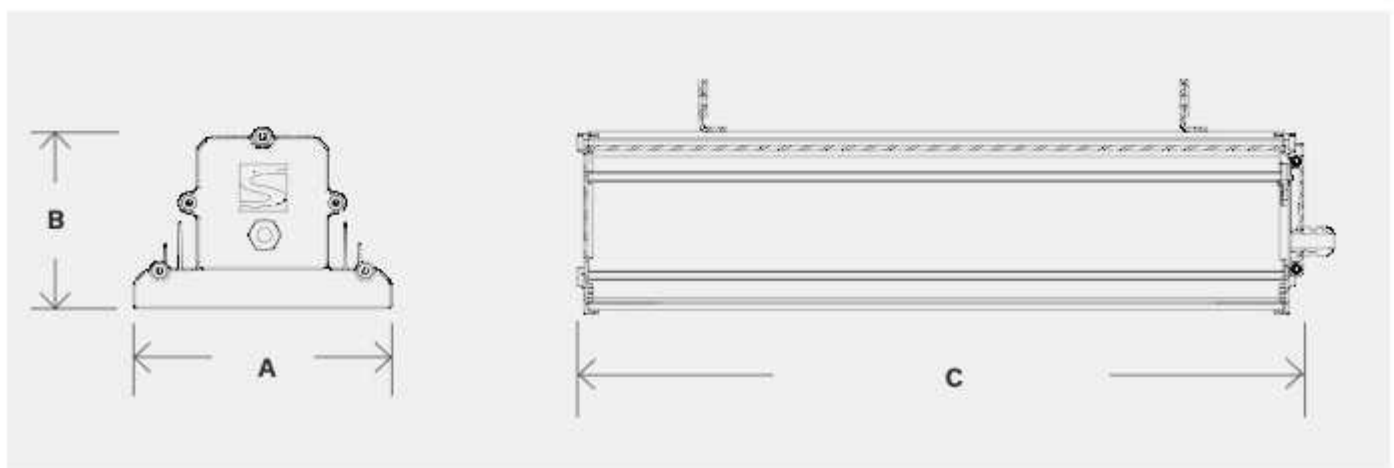
TUNNELS &
UNDERPASSES

A range of tunnel luminaires made entirely of stainless steel and glass

TLI is a range of tunnel luminaires designed for performance, flexibility and ease of installation.

This range of luminaires provides the ideal solution for extremely corrosive environments and in countries where legislation imposes the use of stainless steel housings. Drivers, surge protection and control devices are integrated into a luminaire characterised by a high degree of ingress protection and impact resistance.

Available in two sizes (TLI 1 and TLI 4), TLI enables the number of LEDs to be adjusted, starting from 16 up to a maximum of 144 LEDs.

This range is suitable for surface mounting on the ceiling or wall with brackets.

TLI	1	4
Typical luminaire output flux (range)	1,200 to 9,100lm	5,300 to 18,500lm
Power consumption	11W to 74W	43W to 133W
Colour temperature	Neutral white 740	
Nominal voltage	220-240V / 50-60hz	
Surge protection	10kV	

IP 66   IK 08

> **High-power LED solution to replace HID luminaires in the entrance and interior zones**

> **Available in two sizes and in various configurations to cover all tunnel lighting requirements**

> **LensoFlex®2 and ReFlexo™ (counter beam lighting) photometric engines to provide flexible solutions**

> **Designed for long-lasting performance: high level of protection against corrosion and impacts**

> **Two electrical circuits for enhanced dimming possibilities, optimised power factor and longer lifespan**

DIMENSIONS | MOUNTING

TLI	1	4
A	460mm | 18.1"	560mm | 22"
B	104mm | 4.1"	104mm | 4.1"
C	460mm | 18.1"	660mm | 26"
KG	9kg | 19.5lbs	14.5kg | 31.9lbs
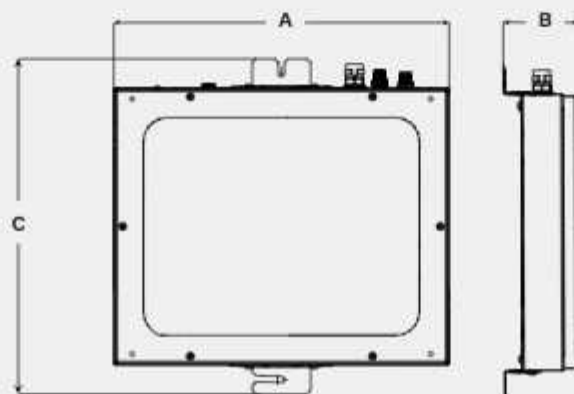
TUNNEL

FV32 LED

A flexible tool to light all areas of a tunnel

TUNNELS & UNDERPASSES

FV32 LED provides flexible solutions to meet the tunnel lighting requirements for different enclosed areas.

A wide range of photometric distributions make the FV32 LED range the ideal instrument for lighting town and motorway tunnels or underpasses.

The extruded aluminium profile enables the number of LEDs to be adjusted in multiples of 8, starting from 16 up to a maximum of 240 LEDs.

Drivers and electrical connections are integrated into the luminaire. The protector opens to give tool-free access to the components when the luminaires are installed.
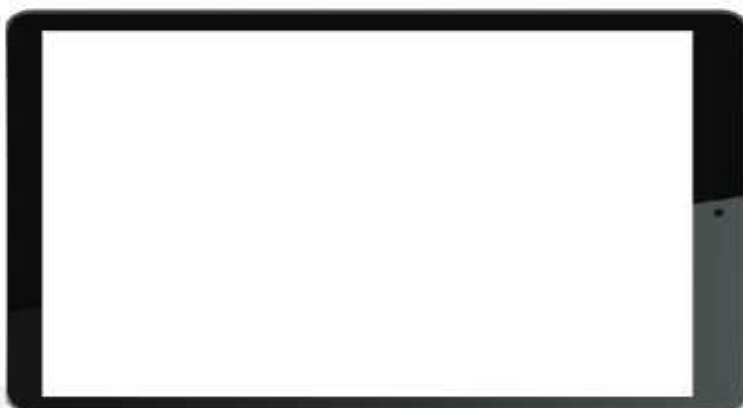
FV32 LED	0	1	2	3
Typical luminaire output flux (range)	3,000 to 7,800lm	4,500 to 15,600lm	9,000 to 31,100lm	16,500 to 47,000lm
Power consumption	21.5W to 62W	31.1W to 120W	62W to 240W	109W to 360W
Colour temperature	Warm white 730 or Neutral white 740			
Nominal voltage	120-277V / 220-240V 50-60hz			
Surge protection	10 / 20kV			

UL 1598 CSA C22.2 No. 250.0 | IP 66 | IK 08

> **Adapted to a wide range of different tunnel applications to provide safety at all times**

> **LensoFlex®2 and ReFlexo™ (counter beam lighting) photometric engines to provide flexible solutions**

> **High level of protection against corrosion, impacts and vibrations**

> **Various inclination possibilities on-site for optimal photometry**

> **Control system: can be adapted to customer requirements or integrated into a tunnel backbone system**

DIMENSIONS | MOUNTING

FV32 LED	0	1	2	3
A	285mm | 11.2"	285mm | 11.2"	285mm | 11.2"	285mm | 11.2"
B	135mm | 5.3"	135mm | 5.3"	135mm | 5.3"	135mm | 5.3"
C	308mm | 12.1"	560mm | 22.0"	888mm | 35.0"	1265mm | 49.8"
KG	6kg | 13.2lbs	10kg | 22.0lbs	17kg | 37.4lbs	23kg | 50.6lbs

I   II   III

I   II   III

FV32 LED can be mounted using specific brackets that prevent galvanic corrosion: 'Z'-shaped (I), swivelling (II) or swivelling and adjustable brackets (III).

TUNNEL
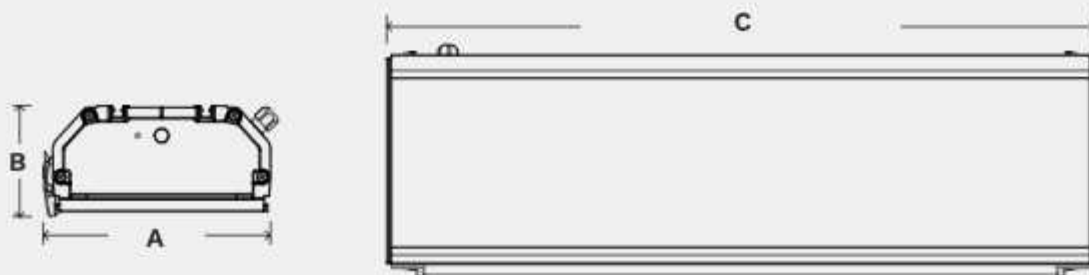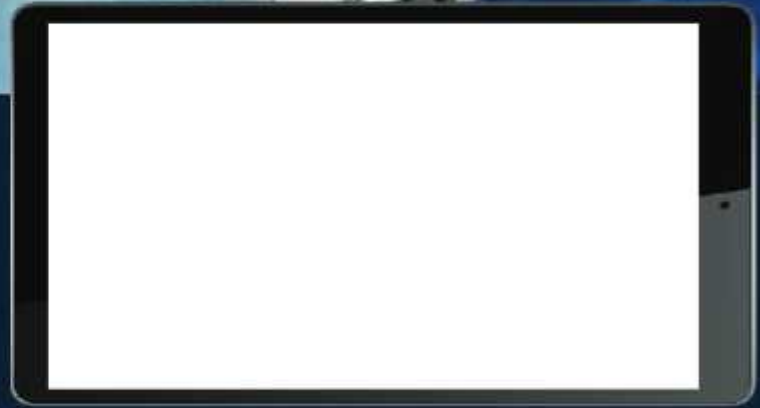
INDUSTRY

66 **Lighting for environments people love to work in 99**

Schréder

INDUSTRY

PRODUCT RANGE

MY1 LED

LENSO **FLEX** 2
PHOTOMETRY

TERRA
CONTROL

INDU BAY GEN3

TERRA
CONTROL

INDU CONTILINE GEN2

TERRA
CONTROL

INDU LINE GEN4

TERRA
CONTROL

INDU FLOOD

TERRA
CONTROL

INDU WALL PACK

TERRA
CONTROL

INDU PANEL

TERRA
CONTROL

INDU DOWNLIGHT

TERRA
CONTROL

ITERRA

The must-have **lighting control solution** for facilities

Schréder ITERRA offers site managers a robust, cost-effective and future-proof platform to run their infrastructure with the utmost flexibility for adapting the lighting to any scenario or activity while maximising energy savings and providing the best experience for employees, visitors and managers.

1

100% wireless
control system for
indoor and outdoor
industrial facilities

2

Easy to operate
with an intuitive
visual interface

3

Works with all
standard control
protocols

4

High level of
cyber security

LIGHT AT YOUR COMMAND

> Dim the light to the right level

> Adapt light colour temperature

> Group luminaires in clusters

> Create programmed lighting scenarios

> Program lighting animations

> Define calendar-based triggers

> Integrate photocells to harvest daylight

> Comfort: guarantees a sense of well-being

> Integrate sensors for light-on-demand scenarios

> Control from the mobile App, a switch, or a remote

> Manage access rights

INDUSTRY

Schréder ITERRA for **all industrial and large area** applications

Access roads

Car parks

Manufacturing plants

Distribution centres

Warehouses

Waste treatment

Laboratories

Shipping areas

Loading bays

Repair workshops

Offices

Meeting/conference rooms

Mines

Airports

Train stations

Harbours

Bus terminals

iTERRA

SCHRÉDER ITERRA CONTRIBUTES TO

ENVIRONMENTS PEOPLE LOVE TO WORK IN

INDU BAY GEN3

INDUSTRIAL HALLS & WAREHOUSES   LARGE AREAS   SPORT FACILITIES   CAR PARKS

Setting the benchmark in high-bay lighting

With the 3rd generation INDU BAY, Schréder offers the leading luminaire for lighting industrial facilities with a minimised total cost of ownership.

More efficient, light, versatile, designed for the requirements of specific industries (metal, automotive, food and beverage, etc.) and smart, it delivers the best solution on the market today for high-bay applications.

It outperforms all other fixtures thanks to the substantial energy savings it generates and the performance it delivers over time.

Available with various lumen packages, light distributions and mounting options, INDU BAY adapts the lighting to meet the specific needs of your environment.

It not only lowers your investment. It maximises it by providing a comfortable environment for your staff while limiting energy consumption to what is absolutely necessary.

INDU BAY GEN3	1	1 HT	2 HT	2
Recommended installation height	4 to 12m / 13' to 39'			
Typical luminaire output flux (range)	15,500 to 21,100lm	9,800 to 10,700lm	22,600 to 24,900lm	25,800 to 32,100lm
Power consumption	115W to 140W	70W	150W	185W to 210W
Colour temperature	Neutral white 840 or cool white 857			
Nominal voltage	220-240V / 50-60hz			
Surge protection	2 / 4 / 6kV			

IFS   IP 66   GLASS IK 08   PC IK 10
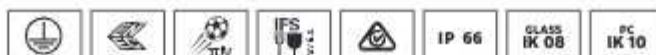
> One-to-one replacement for HID fixtures from 40W to 400W

> Light-on-demand feature with optional motion sensor

> Emergency lighting with optional battery

> High visual comfort

> Compact housing optimised for heat dissipation and reduced dust accumulation

> Dedicated range of mounting accessories

> INDU BAY HT variant providing a dedicated solution for extremely hot environments

> Compatible with Schréder's indoor and outdoor control system

DIMENSIONS | MOUNTING

INDU BAY GEN3	1	1 HT	2 HT	2
A	330mm | 13"	330mm | 13"	400mm | 15.7"	400mm | 15.7"
B	122mm | 4.8"	298mm | 11.7"	135mm | 5.3"	135mm | 5.3"
C	330mm | 13"	330mm | 13"	400mm | 15.7"	400mm | 15.7"
KG	4.5kg | 9.9lbs	5.6kg | 12.3lbs	7.43kg | 16.38lbs	6.8kg | 15.0lbs

INDU BAY is delivered with a hook for a suspension chain (not included). A fork mounting system enables the luminaire to be inclined on-site for precise adjustment.

INDUSTRY
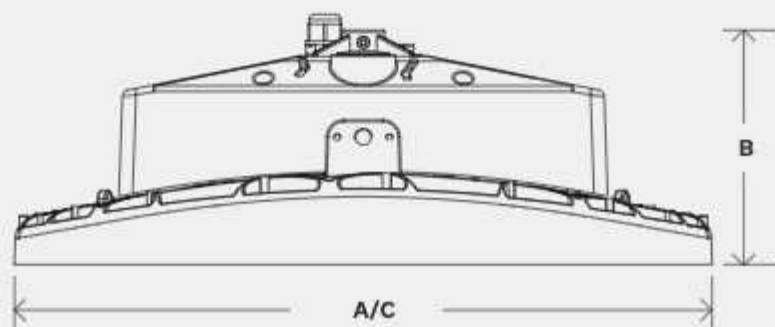
DESIGN HIGHLIGHTS

INDU BAY is equipped with a graduated U-bracket for precise on-site setting.

In case of an emergency, an optional auxiliary battery can power the INDU BAY for 3 hours to provide safety lighting.

INDU BAY HT offers a dedicated solution for extremely hot environments.

INDU BAY can be equipped with a motion sensor for light-on-demand scenarios.

INDU CONTILINE GEN2

Modular, efficient and easy to assemble

INDUSTRIAL HALLS & WAREHOUSES

INDU CONTILINE is a fully flexible 13 pole trunking system with tool-free module installation. With 2.25m trunking inserts and suspensions that can be mounted with a distance of up to 5m it can be installed in a fast and efficient manner.

With its unique, optional roof accessory, INDU CONTILINE is considerably more resistant to dust and water accumulation. Thanks to its additional, integrated cable duct, this system is IoT-ready!

INDU CONTILINE can be installed from the ground using a patented process. It facilitates mounting if the area for the elevator / scissor platform cannot be cleared or if the floor has not yet been cleared for traffic.

This patented process can also be used to your advantage on accessible crane systems without additional scaffolding.

INDU CONTILINE offers additional benefits including emergency lighting with an auxiliary battery and optimal light distribution with low glare to create optimal working conditions in industrial environments.

INDU CONTILINE GEN2	1	2
Typical luminaire output flux (range)	7,400 to 12,400lm	14,800 to 21,200lm
Power consumption	50W to 77W	100W to 133W
Colour temperature	Neutral white 840, cool white 857 or very cool white 865	
Nominal voltage	220-240V AC – 50-60Hz 176-275V DC	
Surge protection	1 / 2 / 4kV	

IP 50   IK 05

KEY ADVANTAGES

> **High efficiency with low operating costs**

> **High visual comfort**

> **Quick and easy tool-free installation**

> **Versatility in lighting design with various distributions**

> **Designed for surface or suspended mounting with dedicated mounting accessories**

DIMENSIONS | MOUNTING

INDU CONTILINE GEN2	2.1	2.2
A	1410mm | 55.5"	2253mm | 88.7"
B	36mm | 1.4"	36mm | 1.4"
C	78mm | 3.1"	78mm | 3.1"
KG	1.7kg | 3.7lbs	3kg | 6.6lbs

INDUSTRY
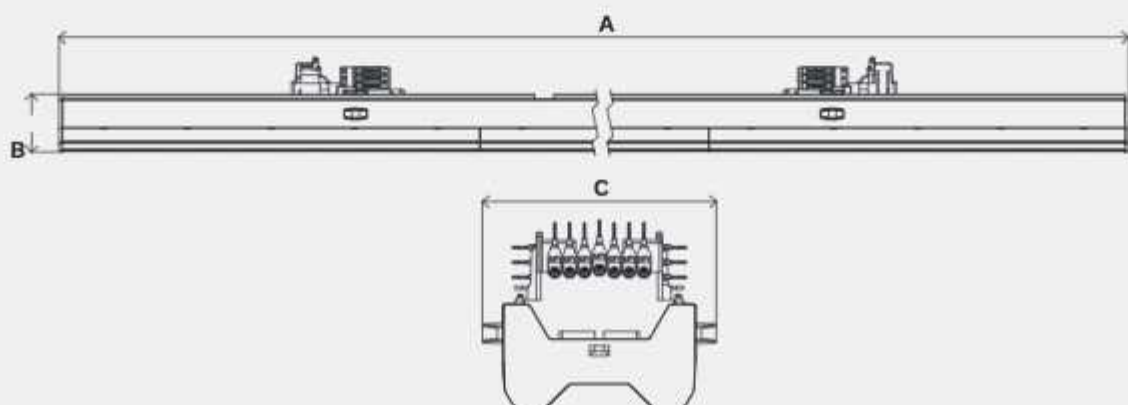
DESIGN HIGHLIGHTS

The INDU CONTILINE GEN2 trunking system offers versatility and openness to meet the requirements of any project

The main feed can be placed in the centre or at the extremity of the trunk.
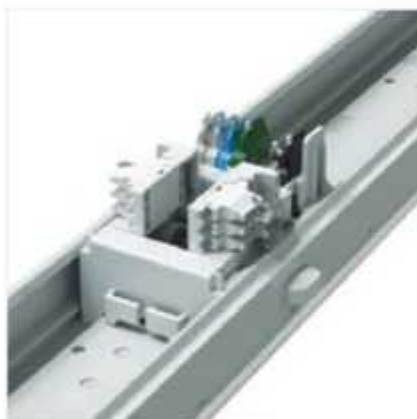
The T13 block enables versatile positioning of the LED modules and combines power and control connections.

In case of an emergency, an optional auxiliary battery provides 3 hours of safety lighting.

The system can power auxiliary fixtures or any other device useful in an industrial environment.

MOUNTING OPTIONS

Suspension with ropes (standard version)

Suspension with chains (standard version)

Suspension with ropes (roof version)

Suspension with chains (roof version)
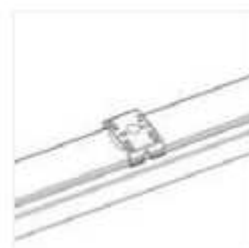
Ceiling mounting (standard version)

INDU LINE GEN4

INDUSTRIAL
HALLS &
WAREHOUSES

SPORTS
FACILITIES

CAR PARKS

Efficiency and comfort for any industrial environment

INDU LINE offers a robust and efficient LED alternative for replacing fixtures fitted with T5/T8 fluorescent tubes.

Designed to perform in harsh industrial environments, INDU LINE GEN4 has a robust, compact mechanical design that makes it highly resistant and easy to install in any kind of infrastructure. Whether in sports facilities, warehouses, manufacturing plants with dusty or wet conditions, corridors, underground car parks, or underpasses, INDU LINE GEN4 offers a reliable lighting solution. Available in various materials, this luminaire meets any type of local requirement or legislation.

With a lifetime 5 times longer than a fluorescent tube, this modern linear LED luminaire lowers the total cost of ownership of a lighting installation with the guarantee of high efficiency.

INDU LINE GEN4 creates safe and comfortable working conditions thanks to its low glare and high colour rendering index to optimise productivity.

INDU LINE GEN3	1	2	3
Recommended installation height		4 to 6m / 13' to 20'	
Typical luminaire output flux (range)	3,100 to 3,400lm	3,400 to 8,500lm	4,200 to 10,800lm
Power consumption	24W	22W to 61W	27W to 77W
Colour temperature		Neutral white 840	
Nominal voltage		220-240V / 50-60Hz	

UK CA | IFS | IP 66 | IK 02 PC-PMMA GRP-PMMA | IK 08 PC-PC

DIMENSIONS | MOUNTING

INDU LINE GEN4	1	2	3
A	102mm	4.0"	102mm	4.0""	102mm	4.0"
B	82mm	3.2"	80mm	3.1"	80mm	3.1"
C	614mm	24.2"	1174mm	46.2"	1454mm	57.2"
KG	0.9kg	2lbs	2kg	4.4lbs	2.2kg	4.8lbs

Standard mounting with stainless steel clips.

INDUSTRY

MY1 LED

Flexible and beneficial LED alternative to fluorescent tubes
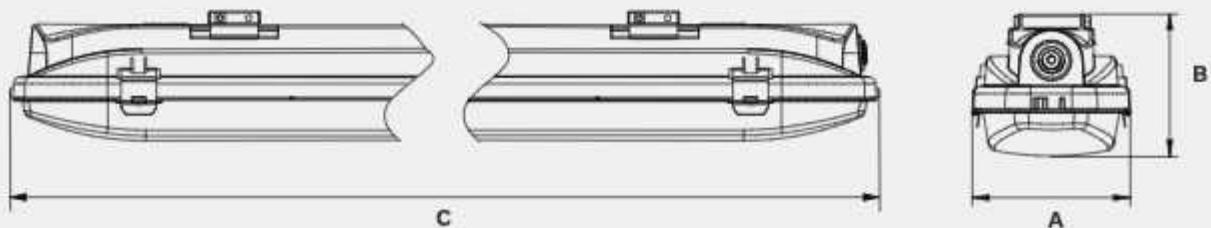
INDUSTRIAL HALLS & WAREHOUSES

TUNNELS & UNDERPASSES

CAR PARKS

Combining robustness, efficiency and flexibility, MY1 LED is a sustainable alternative to fluorescent tubes for lighting indoor areas such as industrial halls, warehouses, tunnels and car parks.

Thanks to its modern and elegant design, MY1 LED creates a visually appealing environment while offering safety and visual comfort.

Designed to provide operational benefits for site managers, this state-of-the-art LED linear lighting solution is characterised by its long lifetime, high efficiency, minimised energy costs, maintenance-free requirements and quick installation.

MY1 LED	1	2	3	4	5	6
Recommended installation height	3 to 8m / 10' to 26'					
Typical luminaire output flux (range)	1,400 to 2,000lm	2,500 to 3,700lm	3,700 to 5,600lm	5,400 to 8,100lm	6,200 to 9,500lm	7,200 to 11,100lm
Power consumption	20.4W	33.2W	46.5W	70W	76W	87W
Colour temperature	Warm white 830 or neutral white 740					
Nominal voltage	220-240V / 50-60hz					
Surge protection	4 / 10kV					

IP 67   IK 10

- > Robust luminaire to replace fixtures with T5/T8 fluorescent tubes
- > 6 different sizes
- > Extra high tightness level (IP 67)
- > Tool-free access for easy maintenance
- > Full scope of photometries (narrow to wide symmetrical as well as asymmetrical)
- > Versatile mounting options
- > Retrofit kit available for previous generations of MY1 luminaires

DIMENSIONS | MOUNTING

MY1 LED	1	2	3	4	5	6
A	126mm | 5"	126mm | 5"	126mm | 5"	126mm | 5"	126mm | 5"	126mm | 5"
B	131mm | 5.2"	131mm | 5.2"	131mm | 5.2"	131mm | 5.2"	131mm | 5.2"	131mm | 5.2"
C	295mm | 11.6"	462mm | 18.2"	672mm | 26.5"	881mm | 34.7"	1281mm | 50.4"	1582mm | 62.2"
KG	1.4kg | 3.1lbs	2.1kg | 4.6lbs	3.2kg | 7.0lbs	3.9kg | 8.6lbs	5.1kg | 11.2lbs	6kg | 13.2lbs

Standard mounting with stainless steel clips.

INDUSTRY

INDU FLOOD GEN2

Efficiency and versatility for indoor and outdoor area lighting

INDUSTRIAL HALLS & WAREHOUSES

LARGE AREAS

SPORT FACILITIES

CAR PARKS

With multiple combinations of lumen packages and light distributions, INDU FLOOD is the ideal tool to provide an efficient multi-purpose lighting solution for industrial environments.

Available in 3 sizes, this compact luminaire perfectly integrates environments to provide the exact lighting requirements for the space to be lit. Delivered with a mounting bracket and also available with a post-top fixation, it can be adjusted on-site for precise optical control. It is perfect for replacing fixtures with discharge lamps from 50 to 800W.

INDU FLOOD provides a bright white light for excellent visibility and colour perception, delivering value beyond energy savings.

Its robust design, with a high IP rating, guarantees performance for many years to come, even in the harshest conditions.

INDU FLOOD GEN2	1	2	3
Recommended installation height	3 to 16m / 10' to 52'		
Typical luminaire output flux (range)	3,400 to 10,000lm	14,500 to 30,400lm	29,700 to 60,900lm
Power consumption	31W to 63W	125W to 190W	250W to 375W
Colour temperature	Warm white 722, Warm White 730 or neutral white 740		
Nominal voltage	120-277V / 220-240V / 347-480V / 50-60Hz		
Surge protection	10kV		

IFS

IP 66   IK 09

> **High efficiency with low operating costs**

> **3 sizes and multiple light distributions to replace discharge lamps from 50 to 800W**

> **One design for aesthetic consistency in multi-purpose applications**

> **High energy savings compared to systems with traditional discharge lamps**

> **Dimmable for even more energy savings**

> **Light-on-demand feature with optional motion sensor**

> **Fast ROI thanks to long life span and reduced maintenance**

DIMENSIONS | MOUNTING

INDU FLOOD GEN2	1	2	3
A	390mm | 15.4"	492mm | 19.4"	622mm | 24.5"
B	77mm | 3"	77mm | 3"	90mm | 3.5"
C	321mm | 12.6"	421mm | 16.6"	521mm | 20.5"
KG	5.6kg | 12.3lbs	8.8kg | 19.4lbs	16.8kg | 37lbs

Ø60mm
Ø76mm

Fork enabling the inclination to be adjusted. Optional post-top mounting.
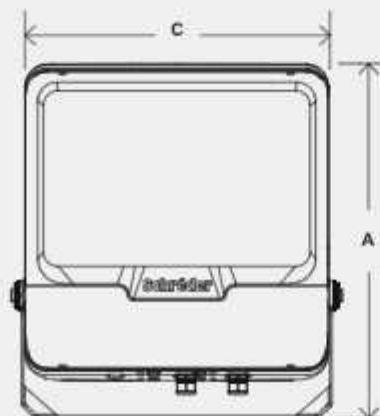
DESIGN HIGHLIGHTS

The universal U-bracket includes a graduation system for precise on-site setting.

INDU FLOOD provides easy access to the gear compartment.

The floodlight includes two cable glands at the back (in and out) for a daisy chain layout. It is designed for integration with building management systems (DALI 2.0 or 1-10V protocol).

As an option, INDU FLOOD can be equipped with a sensor (motion and daylight) for light-on-demand scenarios.

The post-top mounting enables easy adjustment of the tilt angle of the luminaire on site.

INDU FLOOD GEN2 offers post-top mounting with an optional adapter.

INDU WALL PACK

INDUSTRIAL
HALLS &
WAREHOUSES

LARGE
AREAS

SPORT
FACILITIES

CAR PARKS

Comfort and efficiency for exterior lighting

Available in two sizes, INDU WALL PACK outperforms all conventional downlight fixtures by providing bright and long-lasting light for outdoor wall-mounted applications. Its slim design ensures discreet integration without compromising on performance.

INDU WALL PACK delivers a bright white light to ensure perfect visibility and comfort at all times. Thanks to its high optical performance and strong mechanical design, it can achieve substantial energy and maintenance savings.

As an option, INDU WALL PACK can integrate a detection sensor and a battery for anti-panic lighting.

INDU WALL PACK	1	2
Recommended installation height	3 to 6m / 10' to 20'	
Typical luminaire output flux (range)	1,700 to 1,800lm	4,400lm
Power consumption	15W	35W
Colour temperature	Warm white 830 or neutral white 840	
Nominal voltage	220-240V / 50-60hz	
Surge protection	1 / 2kV	

IFS | TÜV | IP 65 | IK 09

> High energy savings compared to systems with traditional discharge lamps

> Two sizes to provide the best solution

> Robust yet discreet design to blend into any environment

> High visual comfort

> White light with a high colour rendering index

> Easy installation with removable back plate

> Integrated motion detection sensor (option)

> Emergency lighting with optional battery

DIMENSIONS | MOUNTING

INDU WALL PACK	1	2
A	250mm	9.8"	320mm	12.6"
B	117mm	4.6"	130mm	5.1"
C	201mm	7.9"	257mm	10.1"
KG	1.4kg	3.1lbs	2.1kg	4.6lbs

INDU WALL PACK is secured to the surface with 4 screws.

INDUSTRY

INDU PANEL

For comfortable, safe yet energy-efficient indoor lighting
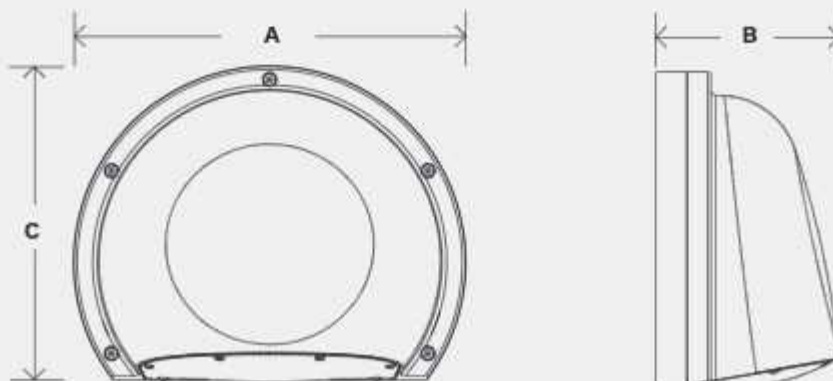
INDUSTRIAL HALLS & WAREHOUSES

RAILWAY STATIONS & METROS

SPORT FACILITIES

INDU PANEL provides a beneficial LED alternative to luminaires with fluorescent lamps. With its square or rectangular shape, it offers uniform and comfortable lighting for typical indoor venues such as reception areas, offices, conference rooms, corridors and lifts.

This well-designed LED system has the potential to replicate sunlight more accurately than fluorescent bulbs.

INDU PANEL provides managers with the right tool to boost people as it provides light that helps to stimulate the brain and subsequently improve concentration. It contributes to a brightly-lit environment that creates a happier, healthier workforce, which is in turn more productive and likely to stick around.

INDU PANEL	1	2	3
Typical luminaire output flux (range)	3,400lm	3,200lm	3,700lm
Power consumption		30W	
Colour temperature		Neutral white 840	
Nominal voltage		220-240V / 50-60hz	
Surge protection		3kV	

IP 20   IK 02

- > White light with a high colour rendering index
- > 2 sizes for flexibility
- > Elegant design for low height installation
- > Low power consumption
- > Easy installation and maintenance free
- > Efficient, uniform and glare-free light

DIMENSIONS | MOUNTING

INDU PANEL	1	2	3
A	595mm	23.4"	1195mm	47"	620mm	24.4"
B	32mm	1.2"	32mm	1.2"	32mm	1.2"
C	595mm	23.4"	295mm	11.6"	620mm	24.4"
KG	2.1kg	4.6lbs	2.3kg	5.1lbs	2.2kg	4.8lbs

INDU PANEL is designed for recessed or pendant mounting.
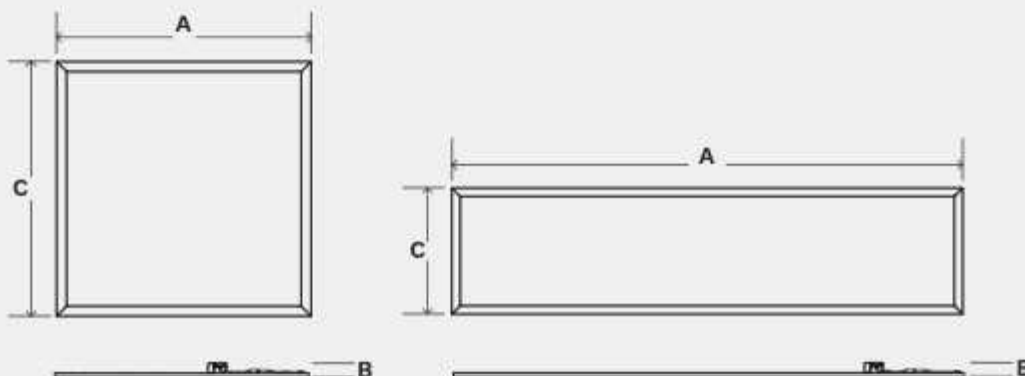
INDUSTRY

INDU DOWNLIGHT

MAIN APPLICATIONS

Reliable, energy-efficient and affordable indoor lighting solution

INDU DOWNLIGHT offers a beneficial LED alternative to fluorescent spotlights for typical indoor venues such as reception areas, offices, conference rooms, corridors and lifts.

Available in various sizes/lumen outputs, INDU DOWNLIGHT is a flexible solution with all the advantages of the latest LED technology: low power consumption (savings of up to 90% compared with traditional spotlights), long lifetime, no specific maintenance requirements and control options for dimming and light-on-demand features.

INDU DOWNLIGHT contributes to a brightly-lit environment that creates a happier, healthier workforce, which is in turn more productive and loyal.

INDU DOWNLIGHT	1	2	3
Typical luminaire output flux (range)	900lm	1,400lm	2,700lm
Power consumption	9W	15W	25W
Colour temperature	Neutral white 840		
Nominal voltage	220-240V / 50-60hz		
Surge protection	1kV		

IP 20 · IK 03

DIMENSIONS | MOUNTING

INDU DOWNLIGHT	1	2	3
A	145mm | 5.7"	175mm | 6.9"	245mm | 9.6"
B	78.5mm | 3.1"	84.5mm | 3.3"	98.5mm | 3.9"
C	145mm | 5.7"	175mm | 6.9"	245mm | 9.6"
KG	0.14kg | 0.3lbs	0.27kg | 0.6lbs	0.49kg | 1.1lbs

Recessed mounting with spring-retaining clips.

A/C

B

INDUSTRY
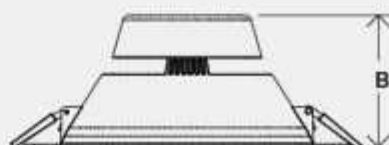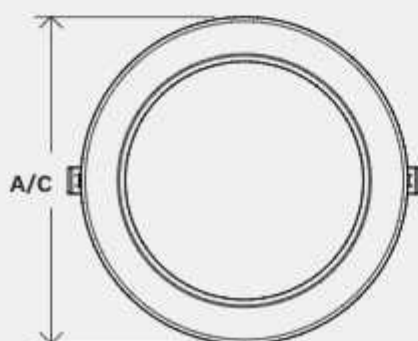
LARGE AREA & FLOOD

66 **Solutions for safe and comfortable environments with maximised operational benefits** 99

Schréder
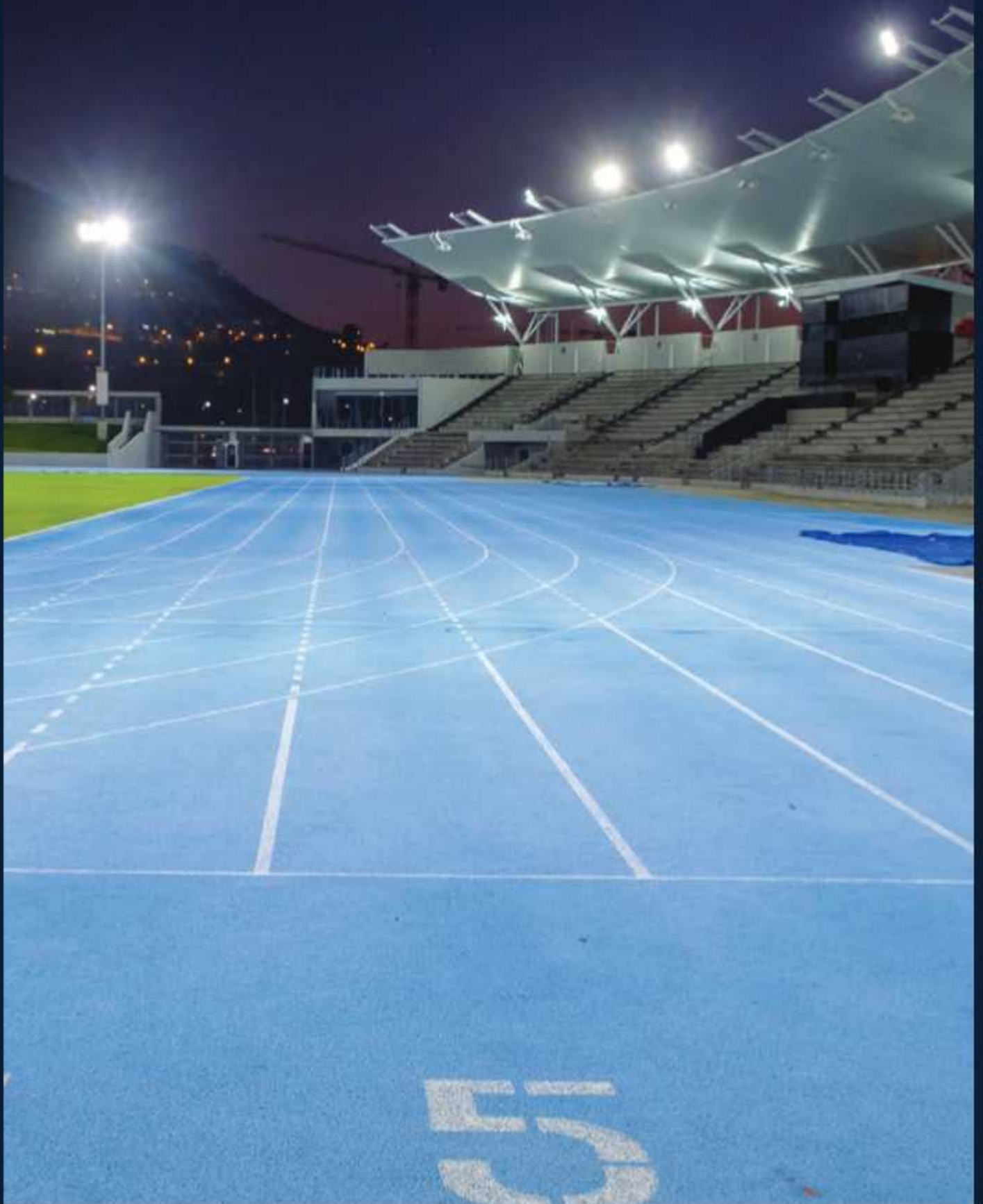
LARGE AREA & FLOOD

PRODUCT RANGE

OMNISTAR

LENSO FLEX² 2	LENSO FLEX² 3	LENSO FLEX² 4	BLAST FLEX² 4	BLAST FLEX²	RE FLEXO™	EXEDRA	TERRA	ATS4	CIRCLELIGHT
PHOTOMETRY						CONTROL			SUSTAINABILITY

OMNISTAR KIT

LENSO FLEX² 2	LENSO FLEX² 3	LENSO FLEX² 4	BLAST FLEX™ 4	BLAST FLEX™	RE FLEXO™	EXEDRA	TERRA	ATS4	CIRCLELIGHT
PHOTOMETRY						CONTROL			SUSTAINABILITY

NEOS LED

LENSO FLEX² 2	SMART LABEL	EXEDRA	TERRA	ATS4
PHOTOMETRY	SERVICES	CONTROL		

OMNIFLOOD

LENSO FLEX² 2	BLAST FLEX™	SMART LABEL	TERRA
PHOTOMETRY		SERVICES	CONTROL

ECOBLAST

LENSO FLEX² 4	BLAST FLEX™ 4	TERRA	CIRCLELIGHT
PHOTOMETRY		CONTROL	SUSTAINABILITY

BRITELINE GEN2

PRO FLEX²	TERRA
PHOTOMETRY	CONTROL

OMNIBLAST

BLAST FLEX™	RE FLEXO™	LENSO FLEX² 3	TERRA
PHOTOMETRY			CONTROL

ASTRAL SLIM

SMART LABEL	TERRA
SERVICES	CONTROL

OMNISTAR

ROADS & MOTORWAYS

TUNNELS & UNDERPASSES

LARGE AREAS

INDUSTRIAL HALLS & WAREHOUSES

SPORT FACILITIES

ACCENT & ARCHITECTURAL

CAR PARKS

Designed to bring massive savings and benefits to area lighting

OMNISTAR provides a beneficial lighting solution in a variety of indoor and outdoor applications such as tunnels, docks, industrial buildings, sport facilities, large car parks and airports.

This platform has been designed to provide an unrivalled combination of performance and flexibility for lighting areas where high lumen packages are needed with the added advantages of a LED solution: low energy consumption, improved visibility with white light, limited maintenance and longer life.

OMNISTAR can be installed in various configurations (suspended, surface-mounted or post-top) with one to three optical units. OMNISTAR can operate with a large range of outdoor and tunnel control solutions (daylight sensors, dimming, remote management, ATS 4) and a building management system with the DALI protocol to further maximise energy savings by adapting the lighting levels according to the real needs of the place to be lit.

OMNISTAR	1 optical unit
Recommended installation height	8 to 45m / 26' to 148'
Typical luminaire output flux (range)	7,800 to 80,800lm
Power consumption	75W to 594W
Colour temperature	Warm white (730 and 830), neutral white (740 and 940) or cool white (757 and 957)
Nominal voltage	220-240V / 120-277V / 347-480V 50-60Hz
Surge protection	10kV

UL 1598 CSA C22.2 No. 250.0   TÜV   Ex   IP 66   IK 08

> **Real beneficial LED alternative to HID floodlights for high-power applications**

> **Flexibility: modular approach with wide range of lighting distributions**

> **Highly efficient light distributions reduce the quantity of luminaires to be installed**

> **Various mounting options and inclination possibilities on-site for optimal photometry**

> **Explosion-proof variant for use in industrial environments with a hazardous atmosphere**

> **Various control options including remote management systems**

DIMENSIONS | MOUNTING

OMNISTAR

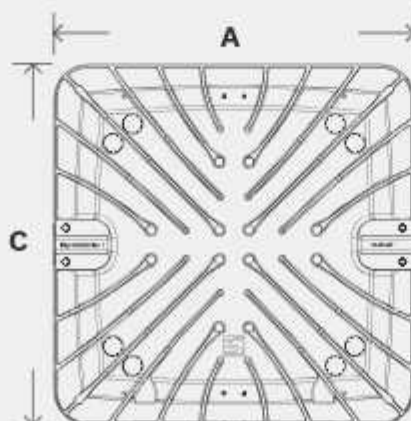|	
A	532mm	20.9"
B	80mm	3.1"
C	530mm	20.9"
KG	14kg	30.8lbs

Ø60mm
Ø76mm
Ø76-108mm

Ø60mm
Ø76mm

OMNISTAR is available with various suspended mounting systems (fixed, tiltable or suspension with chains) for indoor areas and tunnels.

LARGE AREA & FLOOD

DESIGN HIGHLIGHTS

The standard bracket enables the luminaire to be angled on-site.

The OMNIBOX is an IP 66 universal remote gear box made of die-cast aluminium for up to 4 optical units.

With up to 240 high-power LEDs, OMNISTAR delivers high lumen packages.

OMNISTAR is delivered with quick connectors for easy installation.

OMNISTAR KIT

ROADS & MOTORWAYS

TUNNELS & UNDERPASSES

LARGE AREAS

INDUSTRIAL HALLS & WAREHOUSES

SPORT FACILITIES

BRIDGES

CAR PARKS

Complete, powerful lighting solution, dedicated to industrial and large area applications

OMNISTAR KIT is a combination of the powerful OMNISTAR optical unit and the innovative gear box – the OMNIBOX. Available in three versions, these luminaires offer amodular and powerful LED lighting solution for applications such as warehouses, high bays, tunnels,sports arenas, airports, car parks and large areas.

OMNISTAR KIT luminaires have been designed to provide unrivalled photometric performance for lighting areas where high lumen packages are needed, while benefiting from all the advantages of an economical LED solution: reduced energy consumption, limited maintenance and fast return on investment.

OMNISTAR KIT	STD	PRO	ECO
Recommended installation height	8 to 45m / 26' to 148'		
Typical luminaire output flux (range)	5,600 to 81,000lm	5,600 to 80,800lm	20,200 to 72,200lm
Power consumption	73W to 594W	73W to 594W	302W to 619W
Colour temperature	Warm white (730 and 830), neutral white (740 and 940) and cool white (957)		
Nominal voltage	120-277V / 220-240V / 347-480V / 50-60Hz		
Surge protection	10kV, 20kV		

UL 1598 CSA C22.2 No. 250.0   TÜV   Ex   IP 66   IK 08

- > **Real beneficial LED alternative to HID floodlights for high-power applications**
- > **Cost-effective and efficient to maximise energy and maintenance savings**
- > **Highly efficient light distributions reduce the quantity of luminaires to be installed**
- > **Various mounting options and inclination possibilities on-site for optimal photometry**
- > **Explosion-proof variant for use in industrial environments with a hazardous atmosphere**
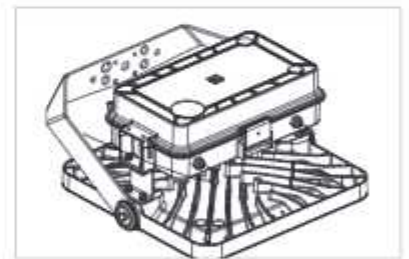- > **Various control options including remote management systems**

DIMENSIONS | MOUNTING

OMNISTAR KIT	STD	PRO	ECO
A	586mm | 23.1"	806mm| 31.7"	530mm | 20.9"
B	294mm | 11.6"	355mm | 14.0"	351mm | 13.8"
C	581mm | 22.9"	582mm | 22.9"	582mm | 22.9"
KG	28kg | 6.16lbs	35kg | 77lbs	25.6kg | 56.3lbs

Ø60mm
Ø76-108mm

The U-shaped bracket enables surface mounting with on-site inclination.
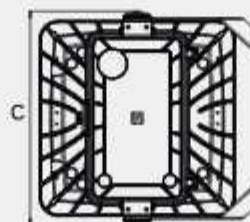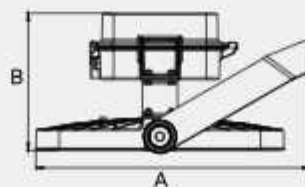
NEOS LED

Design: Michel Tortel

MAIN APPLICATIONS

LARGE AREAS	RAILWAY STATIONS & METROS	BIKE & PEDESTRIAN PATHS	URBAN & RESIDENTIAL STREETS
SQUARES & PEDESTRIAN AREAS	BRIDGES	CAR PARKS	ROADS & MOTORWAYS

Robust, versatile luminaire for all road and urban applications

Compact yet powerful, light yet robust, the NEOS LED range provides multiple configurations to create comfort and security in numerous road and urban environments.

Available in three sizes and with multiple light distributions, the NEOS LED provides a high-performing and energy-efficient lighting solution for pedestrian areas, streets, roads, car parks and bike paths.

These versatile multi-purpose luminaires are designed to ensure that the lighting meets the real needs of the place to be lit.

NEOS LED	1	2	3
Recommended installation height		4 to 8m / 13' to 26'	
Typical luminaire output flux (range)	1,000 to 5,800lm	2,000 to 10,600lm	3,900 to 14,700lm
Power consumption	11W to 44.5W	20.5W to 80W	38W to 116W
Colour temperature		Warm white (727, 730 and 830) or neutral white (740)	
Nominal voltage		220-240V / 50-60Hz	
Surge protection		10kV	

IP 66 IK 08

DIMENSIONS | MOUNTING

NEOS LED	1	2	3
A	360mm | 14.2"	441mm| 17.4"	600mm | 23.6"
B	100mm | 3.9"	140mm | 5.5"	160mm | 6.3"
C	320mm | 12.6"	398mm | 15.7"	500mm | 19.7"
KG	3.4kg | 6.6lbs	7.7kg | 15.4lbs	19kg | 42lbs

Mounting by means of a fork enables the inclination to be adjusted on-site.
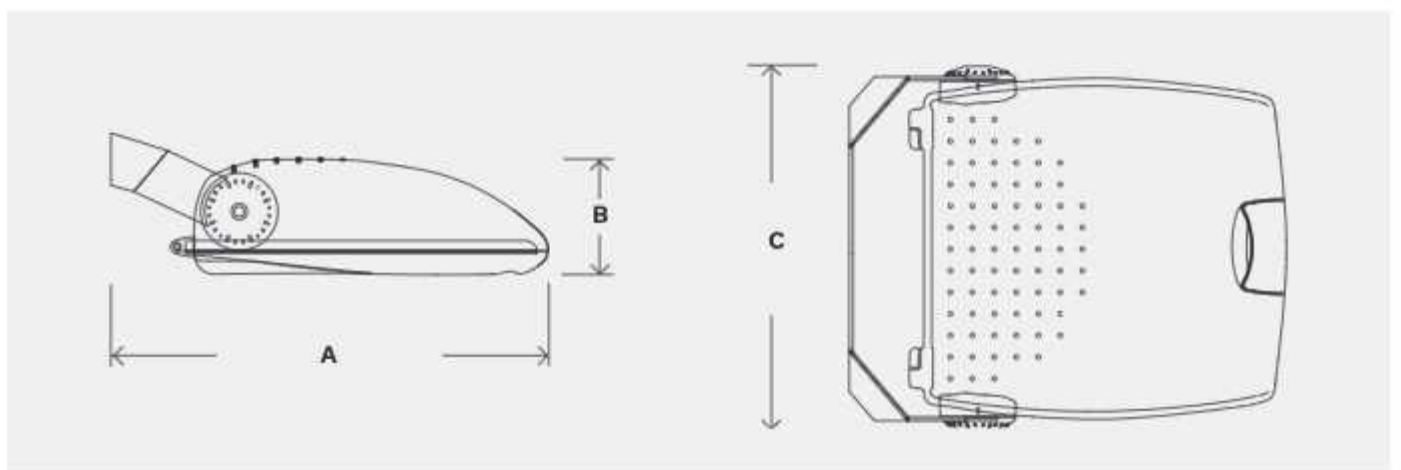
LARGE AREA & FLOOD

OMNIFLOOD

Design: AF Lighting

LARGE AREAS

ACCENT & ARCHITECTURAL

BRIDGES

SPORT FACILITIES

INDUSTRIAL HALLS & WAREHOUSES

BIKE & PEDESTRIAN PATHS

ROADS & MOTORWAYS

Versatility to light all types of public and private facilities

The aesthetic design of OMNIFLOOD, in combination with a wide range of sizes, optical and mounting options, make it very versatile and thus the perfect choice for lighting recreational sports areas, industrial areas, campuses, business parks, car parks, building facades and billboards.

OMNIFLOOD is the ideal tool to replace a range of floodlights equipped with traditional discharge lamps of 50 to 400W.

The OMNIFLOOD range combines the energy efficiency of LED technology with the photometric performance of the LensoFlex®2 and BlastFlex™ concepts developed by Schréder.

OMNIFLOOD	1	3
Recommended installation height	4 to 12m / 13' to 39'	
Typical luminaire output flux (range)	1,800 to 6,200lm	5,600 to 28,200lm
Power consumption	18.9W to 53W	52.5W to 227W
Colour temperature	Warm white 730 or neutral white 740	
Nominal voltage	220-240V / 50-60Hz	
Surge protection	10kV	

IP 66   IK 10

> **One-to-one replacement for 50W to 400W HID floodlights**

> **Large energy savings compared to systems with traditional discharge lamps**

> **Precise light control with LensoFlex®2 and BlastFlex™ photometric engines**

> **FutureProof: smart upgradability**

DIMENSIONS | MOUNTING

OMNIFLOOD	1	3
A	500mm | 19.7"	546mm | 21.5"
B	72mm | 2.8"	88mm | 3.5"
C	311mm | 12.2"	475mm | 18.7"
KG	9kg | 19.8lbs	18.4kg | 40.5lbs

Ø60mm
Ø76mm

Versatile fork enabling the inclination to be adjusted by 60 degrees (-30° to +30°).

LARGE AREA & FLOOD
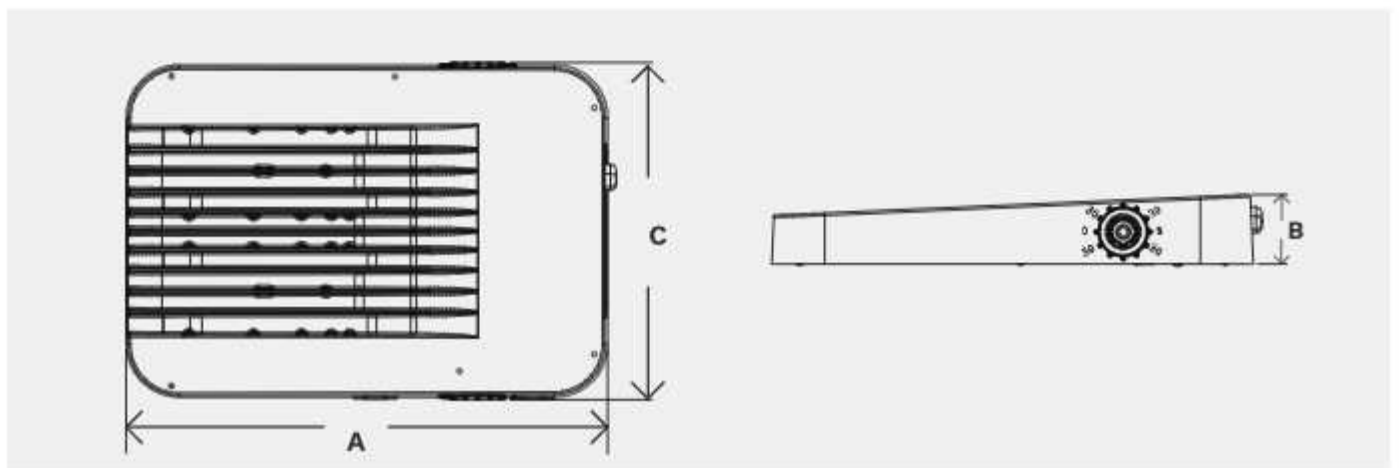
ASTRAL SLIM

MAIN APPLICATIONS

RAILWAY STATIONS & METROS

CAR PARKS

INDUSTRIAL HALLS & WAREHOUSES

SPORT AREAS

Creating safety and ambiance in enclosed areas

Combining design, efficiency and modularity, ASTRAL SLIM is a great alternative to fluorescent tubes for continuous or discontinuous lighting in enclosed areas such as train and metro stations, airports, shopping centres or any other indoor applications where the safety and well-being of the users are critical.

Thanks to its sleek and elegant housing, ASTRAL SLIM contributes to the creation of a visually appealing environment with uniform, low-glare lighting that gives a real sense of safety and offers superior visual comfort.

Designed to provide operational benefits for site managers, this state-of-the-art LED linear lighting solution is characterised by its high efficiency, reduced energy consumption, minimal maintenance requirements and easy installation.

ASTRAL SLIM

Recommended installation height	3 to 8m / 10' to 26'
Typical luminaire output flux (range)	1,500 to 4,000lm
Power consumption	13.9W to 38.1W
Colour temperature	Neutral white 840
Nominal voltage	220-240V / 50-60hz

IP 66   IK 08

KEY ADVANTAGES

> **Compact design**

> **Aesthetic design**

> **Excellent uniformity of illuminance**

> **Beneficial LED alternative to T5/T8 fluorescent tubes**

> **Superior visual comfort (low glare)**

> **Tool-free installation and plug-and-play connections**

> **Modular design with custom housing offers a number of optical units and control options (master and stand-by configurations)**

> **Integrated cable tray**

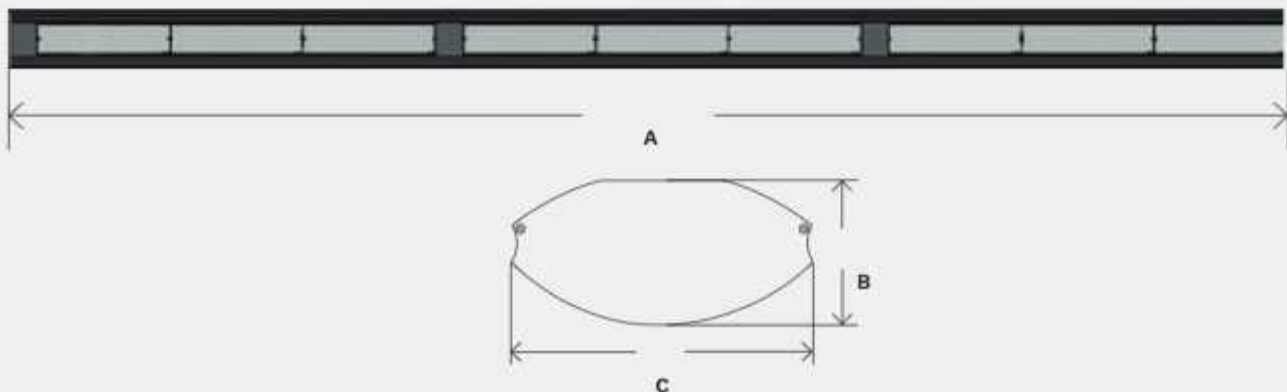> **Fire-resistant materials**

DIMENSIONS | MOUNTING

ASTRAL SLIM

A	6000mm	236.2"
B	133mm	5.2"
C	278mm	10.9"
KG	43kg	94.6lbs

ASTRAL SLIM is designed for suspended, surface or recessed mounting in a ceiling.

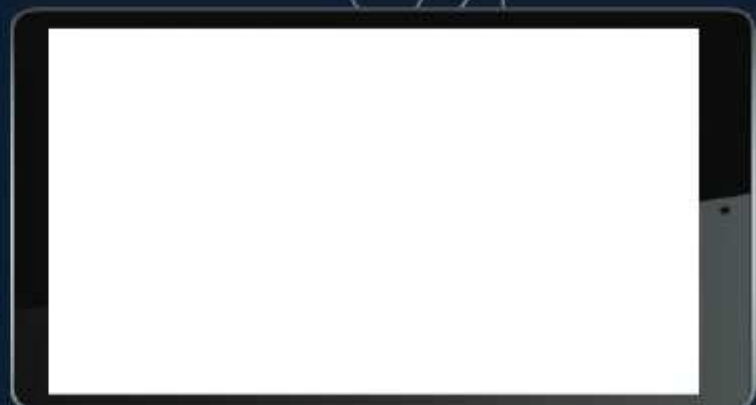**LARGE AREA & FLOOD**

SPORTS FACILITIES

**Play.
Perform.
Win.**

Schréder

Make life easy
with the Schréder
ITERRA control system

iTERRA

The must-have lighting control solution for sports facilities

▶ **LET'S GET EASY.**
LET'S GET WIRELESS.

No extra cabling, no PLC, no complicated commissioning process. Schréder ITERRA is the **100% wireless control system for indoor and outdoor** sports facilities. Based on a Bluetooth™ mesh network, it offers a real **plug-and-play solution** able to control all luminaires and floodlights using standard DALI, DALI-2 or 0-10V/1-10V protocols.

▶ **ONE TOUCH,**
GREAT EXPERIENCE.

A mobile app-based system, Schréder ITERRA is very **easy to operate** with a tablet or smartphone. It comes with an **intuitive visual interface** that users can quickly personalise to the layout and settings of their lighting installation. Through differentiated user rights, managers can decide on access to system features and lighting scenarios according to the profile of the individual.

With Schréder ITERRA, it is easy to provide the right light (light distribution, intensity, colour temperature and theatrical effects) at any time to energise athletes and spectators while ensuring **safety, accuracy and visual comfort**.

▶ **SERIOUSLY**
SMART

Although the Schréder ITERRA control solution is extremely user-friendly, it is based on state-of-the-art, efficient technologies to offer maximum flexibility and savings for a quick return on investment. As an **ecosystem based on leading industry standards**, it ensures compatibility with future developments and extensions. Firmware updates are automatically supported by the application. Schréder ITERRA is **a must-have** for sports facility managers who want to maximise the benefits with the utmost peace of mind.

LARGE AREA & FLOOD

ITERRA

Minimum hardware, **maximum flexibility**

The Schréder ITERRA control solution is characterised by a minimal footprint and excellent flexibility for on-site installation.

ITERRA DYNAMIC SWITCH

Transforming any basic switch into a smart command, programmable with the Schréder ITERRA application

ITERRA MODULE NODE

Indoor module converting a wired DALI/0-10V signal into BLE wireless communication

ITERRA GATEWAY

Control your complete Schréder ITERRA lighting system via the cloud with an internet connection

ITERRA XPRESS

Physical remote control configurable with the Schréder ITERRA application

ITERRA ZHAGA NODE

Plug-and-play node for mounting on a standard Zhaga Book 18 socket

ITERRA BASICBOX

Cabinet centralising DALI wired connections and equipped with a NEMA 7-pin socket

ITERRA NEMA NODE

Plug-and-play node for mounting on standard NEMA 7-pin sockets (BASICBOX or luminaire)

## SCHRÉDER ITERRA APP TO MANAGE YOUR COMPLETE INSTALLATION

An intuitive and easy-to-use application on any mobile device (smartphone or tablet, Android or iOS) allows you to control your entire lighting installation and manage multiple areas, from indoor to outdoor lighting.

TERRA
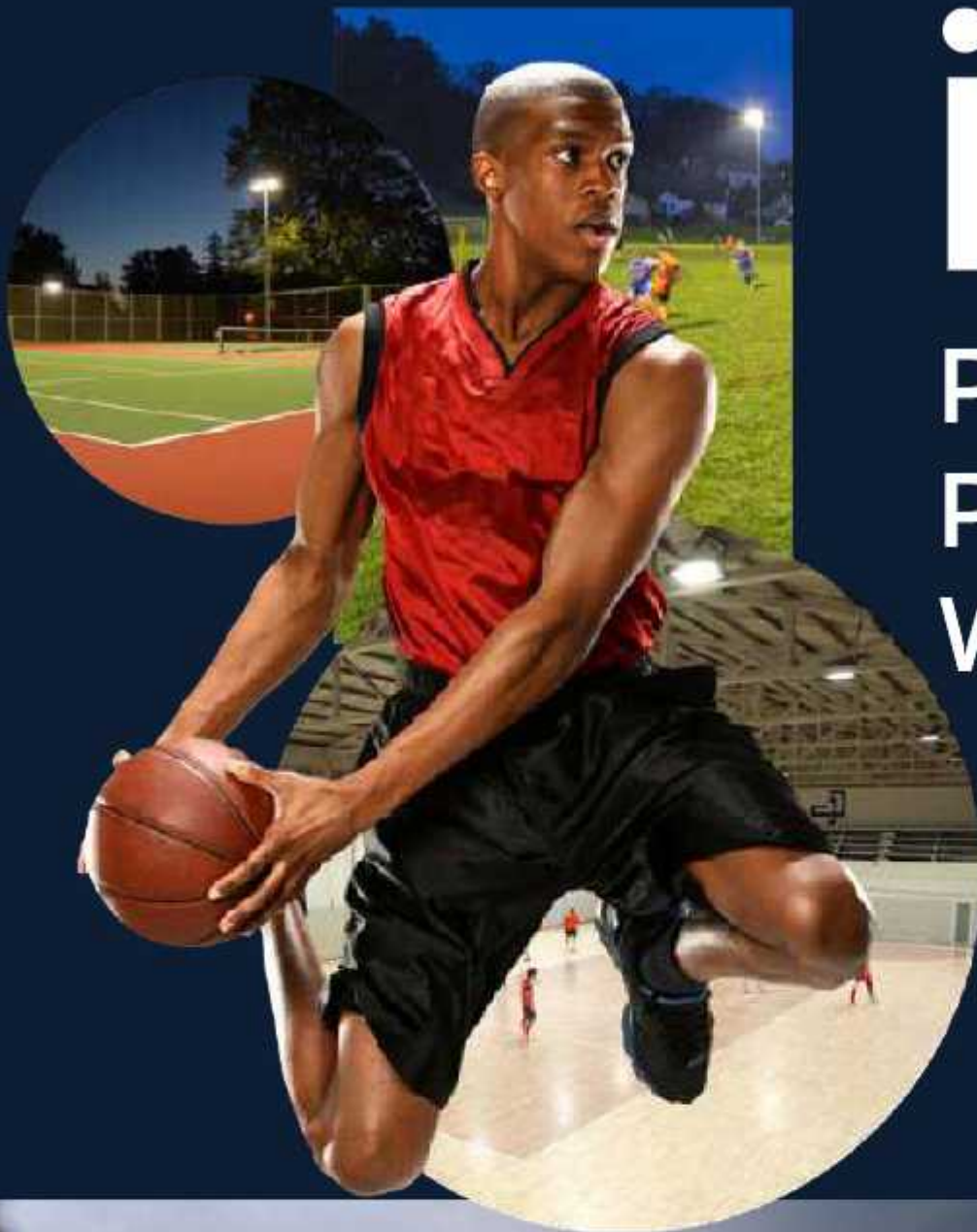
Perform. Play. Win.

- Quick and easy implementation
- Open technologies and standards
- Outstanding user experience
- Futureproof solution
- Cost-effective control system
- Additional energy savings & increased lifetime of luminaires
- Remote and physical control, data monitoring and preventive maintenance
- Management of user rights for a variety of user profiles
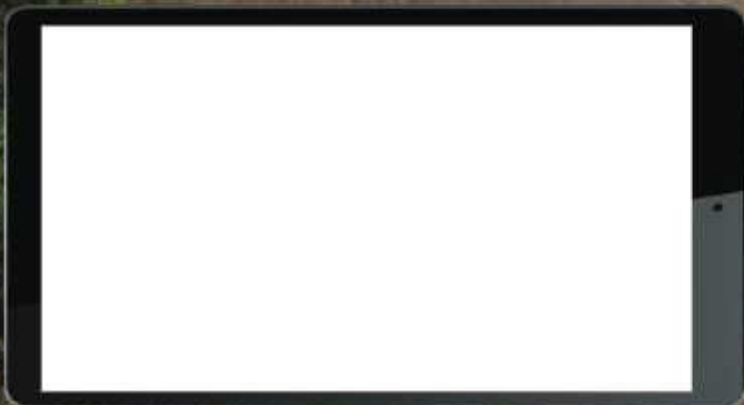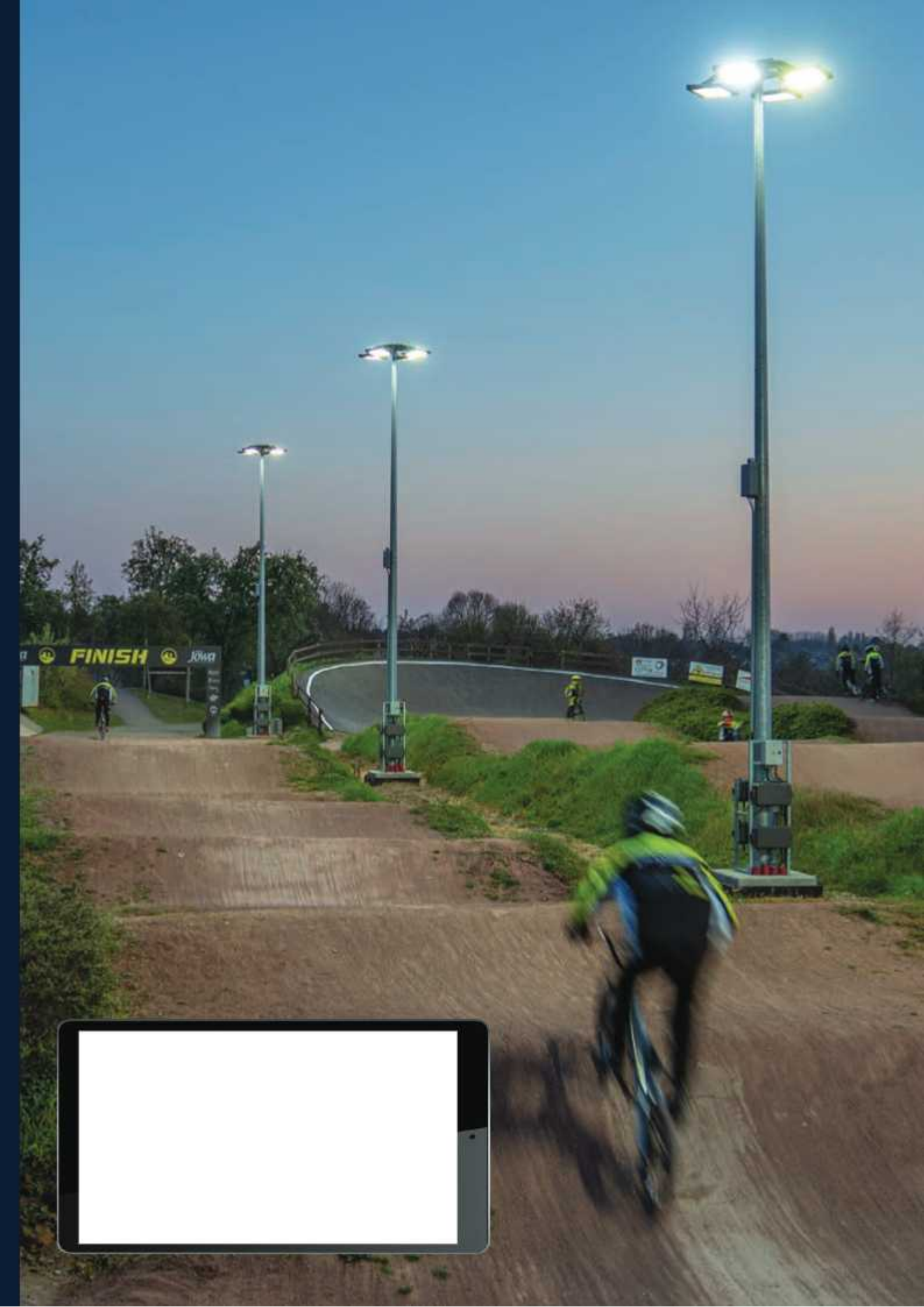
ECOBLAST

SPORTS
AREAS

LARGE
AREAS

Smart modular solution for sports lighting

ECOBLAST is a range of high-performance floodlights designed to provide the right light in indoor and outdoor sports venues as well as other large areas where high lumen packages and razor-sharp lighting distributions are needed.

This modular solution offers beneficial alternatives to floodlights equipped with 1000W, 1500W or 2000W discharge lamps. Thanks to its versatile mounting system, ECOBLAST is fully compatible with existing infrastructure for retrofit projects. The modular approach optimises the weight and lowers aerodynamic resistance to minimise the mechanical stress on the supporting structure.

Equipped with the latest generation of photometrical engines, ECOBLAST stands out with cutting-edge distributions to offer perfect uniformity and superior visual comfort for players, spectators and neighbours (low glare and minimised light spill). ECOBLAST is the ideal tool to comply with sports federations and international regulations. With its DALI2 and DMX-RDM options, ECOBLAST is fully compatible with the ITERRA remote control system.

ECOBLAST	3	4	5	6
Recommended installation height	8 to 50m / 26' to 164'			
Typical luminaire output flux (range)	56,900 to 112,700lm	75,900 to 150,300lm	94,900 to 187,900lm	114,000 to 225,500lm
Power consumption	680W to 910W	900W to 1,210W	1,130W to 1,520W	1,350W to 1,820W
Colour temperature	Warm white (730), neutral white (740 and 840) or cool white (757, 857 and 957)			
Nominal voltage	220-240V / 277V / 347V / 400V 50-60Hz			
Surge protection	10kV			

UL 1598
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No. 250.0

TÜV

IP 66

IK 08
GEAR
GLASS

IK 09
PC

> **Fully compatible with existing infrastructure (mounting and cabling) in retrofit projects**

> **Flexibility: modular approach for high-power applications**

> **Versatile mounting: remote gear box or fixed to the floodlight**

> **Compliant with international sports federation regulations**

> **Optimised glare control**

> **Inclination angle adjustable on-site for each row of modules and/or the complete bracket**

> **Instant on/off and entertainment mode to create dramatic/theatrical effects**
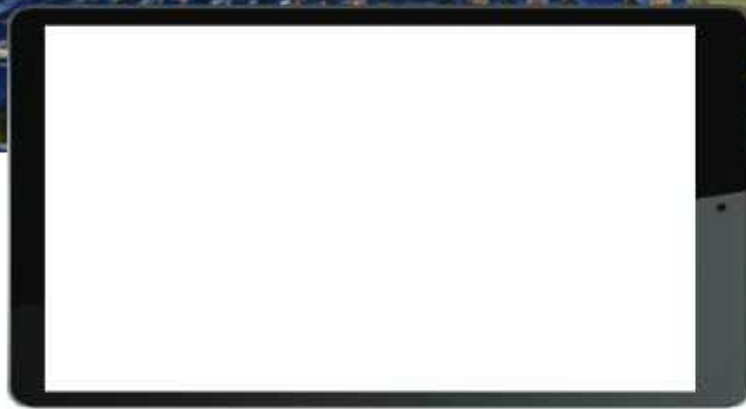
DIMENSIONS | MOUNTING

ECOBLAST	3	4	5	6
A	696mm	27.4"	696mm	27.4"	696mm	27.4"	696mm	27.4"
B	583mm	22.9"	765mm	30.1"	765mm	30.1"	765mm	30.1"
C	360mm	14.1"	340mm	13.4"	340mm	13.4"	340mm	13.4"
KG with PC protector	19.1kg	41.9lbs	27.2kg	59.5lbs	30.7kg	66.1lbs	34.0kg	74.9lbs
KG with glass protector	20.5kg	44.1lbs	29.1kg	63.9lbs	33.1kg	72.8lbs	36.9kg	79.4lbs

ECOBLAST 3

ECOBLAST 4

ECOBLAST 5

ECOBLAST 6

LARGE AREA & FLOOD
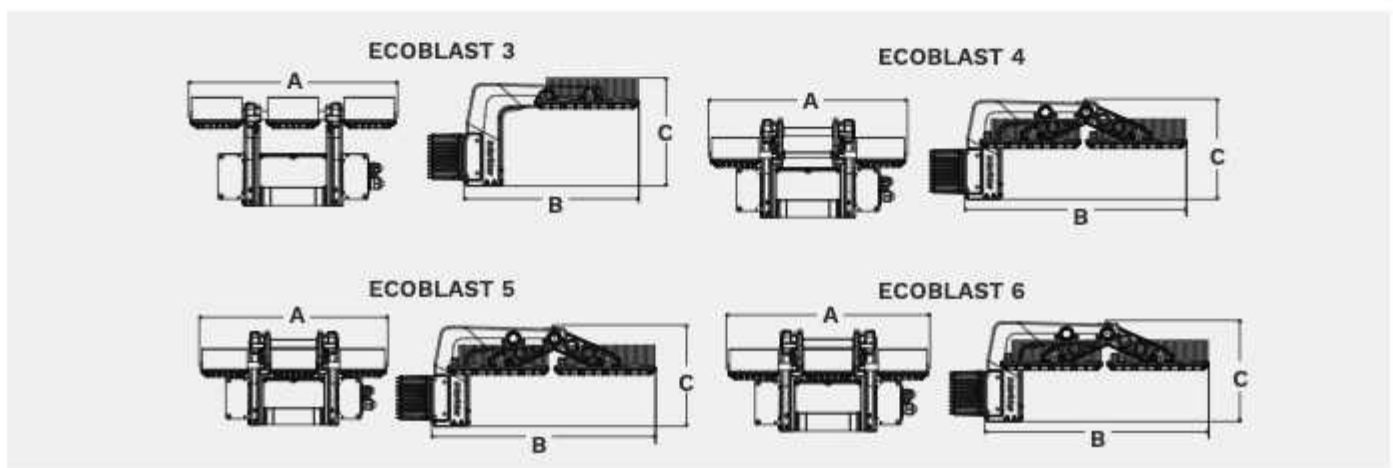
DESIGN HIGHLIGHTS

ECOBLAST is a modular solution with up to 6 modules, including tilt settings on the whole ensemble and per row of modules.

The ECOBLAST bracket offers two positions for the structure supporting the modules: front or rear.

The universal mounting part on the ECOBLAST bracket is designed to comply with existing infrastructure for retrofit projects.

ECOBLAST offers maximum flexibility with a gear box that can be mounted on the bracket or remotely at a distance of up to 200m.

To maintain performance over time, ECOBLAST has been designed to optimise heat dissipation.

The ECOBLAST modules are available with a polycarbonate or glass protector.

BRITELINE GEN2

SPORTS AREAS

LARGE AREAS

Versatile and efficient lighting solution for outdoor sports facilities

The BRITELINE GEN2 floodlight offers a versatile and effective solution for lighting outdoor sport facilities and large areas where energy efficiency is a must.

With its innovative design comprising adjustable and corrosion-resistant modules, this floodlight offers unparalleled versatility and precise configuration to accommodate any existing setup while ensuring accurate photometry.

Equipped with high-performance LED engines, BRITELINE GEN2 stands out by delivering exceptional performance at affordable costs. Its light distributions and backlighting options not only provide outstanding visibility but also adhere to strict environmental standards, meeting light pollution regulations and dark sky requirements.

Compatible with the Schréder ITERRA control system, BRITELINE GEN2 provides intelligent and intuitive lighting, elevating recreative sports and outdoor floodlighting to unprecedented levels.

BRITELINE GEN2	1	2
Recommended installation height	4 to 15m / 13' to 49'	
Typical luminaire output flux (range)	90,900 to 103,000lm	178,600 to 207,600lm
Power consumption	680W to 694W	1361W to 1392W
Colour temperature	Warm white (740, 840, 940) or cool white (757, 857, 957)	
Nominal voltage	120-277V / 220-240V / 347-480V - 50-60Hz	
Surge protection	10kV	

UL 1598 CSA C22.2 No. 250.0   IP 66   IK 10

> Two sizes to provide the best solution

> Inclination angle adjustable on-site for each module and/or the complete bracket

> Perfect control of light distributions

> ProFlex™ photometric engines offering high efficiency lighting, comfort and safety

> Maximised savings in energy and maintenance costs
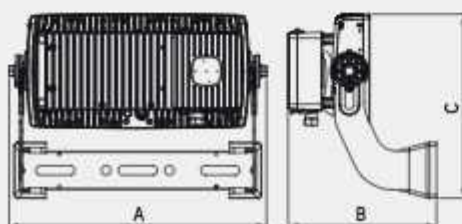
> Intelligent lighting via remote control

DIMENSIONS | MOUNTING

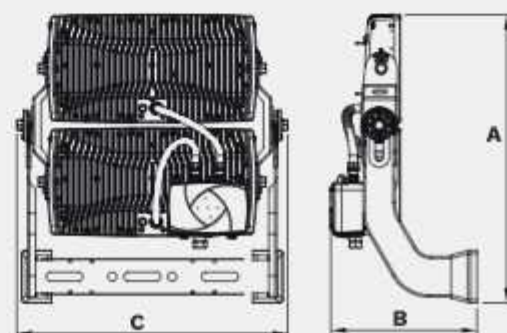| BRITELINE GEN2	1	2
A	436mm | 17.2"	723mm | 28.5"
B	332mm | 13.1"	367mm | 14.4"
C	609mm | 24"	679mm | 26.7"
KG	16.5kg | 36.3lbs	30kg | 66lbs

Versatile fixation bracket enabling light orientation at both the bracket and module levels for optimised photometry

BRITELINE GEN2 1

BRITELINE GEN2 2

OMNIBLAST

Unrivalled combination of performance and flexibility

SPORTS AREAS   LARGE AREAS   ACCENT & ARCHITECTURAL

OMNIBLAST is the ideal tool for sports venues and other very large area applications that require a lighting solution with the highest efficiency and flexibility to adapt to the different lighting needs.

OMNIBLAST ensures high horizontal and vertical lighting levels to meet the strict requirements of sports federations and TV broadcasting.

A modular concept of optical units means that 1, 2 or 3 modules can be mounted on the same bracket to offer the utmost versatility, providing light distributions and lumen packages perfectly adapted to the specifications of the area to be lit.

To enhance the on-site experience and television images, OMNIBLAST guarantees perfect glare control, a high CRI and television lighting consistency index (TLCI) as well as flicker-free lighting. OMNIBLAST benefits from various dimming options and ensures theatrical effects.
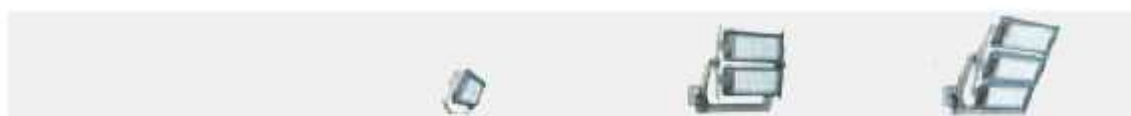
OMNIBLAST	1	2	3
Recommended installation height	8 to 50m / 26' to 164'		
Typical luminaire output flux (range)	18,600 to 64,800lm	34,500 to 129,700lm	54,900 to 194,600lm
Power consumption	244W to 618W	488W to 1,160W	1740W
Colour temperature	Warm white (830), neutral white (740 and 940), cool white (757 and 957), NCW+Amber or RGB CW		Warm white (830), neutral white (740 and 940) or cool white (757 and 957)
Nominal voltage	120-277V / 220-240V / 347-480V / 50-60Hz		
Surge protection	10 / 20kV		

|		UL 1598 CSA C22.2 No. 250.0		IP 66	IK 08	IK 09	IK 10

KEY ADVANTAGES

> **Cost-effective and efficient** to maximise energy and maintenance savings

> **Flexibility:** modular approach for high-power applications

> **Compliant with international sports federation regulations**

> **High Colour Rendering Index (CRI) and Television Colour Consistency (TLCI)**

> **Compliant with UHD/HD/4K broadcast** and super slow-motion replays (flicker-free)

> **Instant on/off and entertainment mode** to create dramatic/theatrical effects

> **Optimised glare control**

DIMENSIONS | MOUNTING

OMNIBLAST (RGB / tunable white)	1	2
A	595mm | 23.4"	700mm | 27.6"
B	188mm | 7.4"	630mm | 24.8"
C	250mm | 9.8"	520mm | 20.5"
KG	12kg | 26.4lbs	28kg | 61.6lbs

OMNIBLAST GEN2 (white)	1	2	3
A	595mm | 23.4"	700mm | 27.6"	700mm | 27.6"
B	188mm | 7.4"	630mm | 24.8"	630mm | 24.8"
C	250mm | 9.8"	520mm | 20.5"	790mm | 31.1"
KG	12kg | 26.4lbs	28kg | 61.6lbs	35kg | 77.0lbs
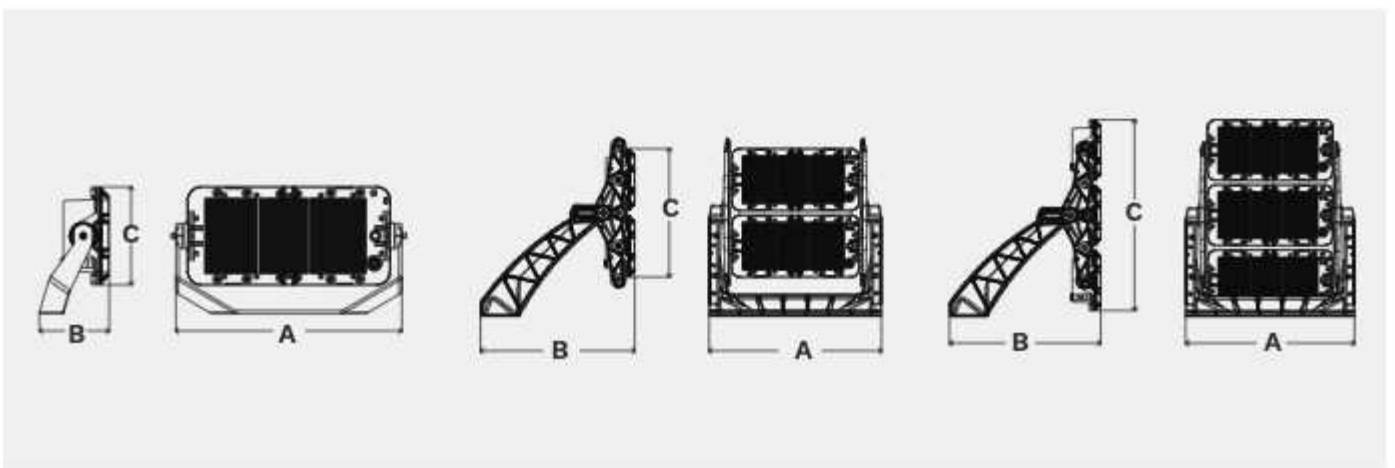
LARGE AREA & FLOOD

DESIGN HIGHLIGHTS

OMNIBLAST takes advantage of patented cooling technology for sustainable performance.

Each module can be tilted individually up to 40° (+20°/-20°).

The lightweight yet robust bracket for 2 or 3 modules incorporates various settings.

OMNIBLAST offers a wide range of accessories (brackets, louvres, hoods, etc.)

With its tunable white or RGB LEDs, OMNIBLAST offers advanced possibilities for entertaining the audience with special lighting effects.

OMNIBLAST can be controlled by the DMX-RDM protocol that enables each fixture to be switched on and off individually or synchronised in light shows.

Schréder

Experts in lightability™