



siteco

Streetlight SL 11

Street lighting meets perfection.

Types,
data sheets,
configuration – all
at a glance:

**Streetlight
SL 11**



Light. The way it should be.

Types,
data sheets,
configuration – all
at a glance:

**Streetlight
SL 11**



Those investing in modern street lighting today expect a state-of-the-art solution ready to meet the requirements of tomorrow. A lighting solution like the Streetlight SL 11 from SITECO.

Streetlight SL 11 is the flagship of our street lighting fleet and unites all our lighting know-how within one fully developed system. This is where cutting-edge LED technology, innovative lighting engineering and trend-setting design meet. Streetlight SL 11 with iQ – our new, patented intelligent electronic system – gives light phenomenal talent through a host of new functions. Today and into the future, Streetlight SL 11 embodies efficiency, sustainability and intelligence.

**Streetlight SL 11 from SITECO:
highly talented light in perfect form.**

- **Say yes to sustainability!**

Environmental protection reflected in every detail, ranging from replaceable components and recyclable materials to illumination using insect-friendly light colours with no light pollution.

- **Say yes to energy conservation!**

We use patented reflector technology to get the most out of LEDs, bringing light precisely to streets, paths and parking lots – and not anywhere else. And we've boosted the efficiency of the new SL 11 by another 10%.

- **Say yes to individuality with street smarts!**

Our iQ luminaire electronics ensure all components intelligently interact for the broadest control and diagnostic options in the history of light. Smart Interface and SITECO Connect round out the system – from single luminaires to fully networked infrastructures. Step into the future!

- Highly flexible solution has multiple sizes, light distribution options, and light and housing colours.
- Durable die-cast aluminium housing (IP66/IK09) ensures optimum heat dissipation for a service life that exceeds 100,000 hours (L98/B10).
- A slide controller enables tool-free opening of the luminaire for greater convenience, quick maintenance and low operating costs.
- Patented lighting technology delivers an ideal combination of effective visibility and efficiency.
- Sustainable concept includes replaceable ECG and 100% recyclable materials.
- Future-proof equipment with Smart Interface provides complete freedom in terms of control and Smart City applications.



Already fully loaded with control and diagnostic features for individual light distribution options, maintenance at Formula 1 speeds, and much more.

ECG and LED module

Brand-new for the Streetlight SL 11: iQ!
SITECO has developed luminaire electronics to ensure the ECG and LED module work together perfectly. iQ is digital, highly talented light on a whole new level. Never before did so many options make it so easy to configure, customize, control and operate light over such a long period of time.



Small details.
Great light.

The modular concept of the Streetlight SL 11 comprises the housing, LED module, ECG and integrated interfaces. The smartest duo currently on the market, the LED module and the ECG are at the heart of the streetlight. Their interoperability serves as the basis for achieving top technical marks for efficiency and outstanding lighting quality with no glare and light emissions as well as for providing completely new control options.

**Balanced lighting with optimum visibility for all street users –
all without glare and light emissions.**

Material quality

The PMMA cover is particularly stable (up to IK10) and remains permanently transparent. Its double convex shape supports the greatest possible mast spacing. Thermal protection prevents the Streetlight SL 11 from prematurely failing. A new slide controller makes opening the Streetlight SL 11 even more convenient so components can be replaced without the danger of ESD – all without the need for tools.

Lighting technology

Among its light colours, the Streetlight SL 11 also offers a particularly insect-friendly 3,000 Kelvin. It effortlessly complies with dark sky guidelines. The luminaire head is designed to ensure optimum heat dissipation for a service life that exceeds 100,000 hours (L98/B10). High-definition faceted reflectors bring light evenly and precisely to roads and paths while providing excellent glare control.





- 1** The silver-coated reflectors are manufactured in a special process at SITECO in Traunreut. Not only is the coating itself patented, but the protective layer is as well – in fact, it packs a double punch: the layer protects the silver against both external effects and chemical reactions with the environment.
- 2** SITECO does it precisely: quality control is performed with microscopic precision in the nanometre range.



1

High tech from Bavaria, Germany. Efficiency. Multi-patented.

The silver sparkle to the Streetlight SL 11 is actually real silver. And it provides all kinds of advantages:

Compared with ordinary aluminium, the silver coating offers significantly greater reflectivity. That lets us use the same energy input to obtain up to 10% more luminous flux from the luminaire. At the same time, this premium optical concept provides us maximum control. Light precisely reaches only where it belongs – evenly and with no glare.



2



Intelligent. Interactive. Intuitive. Integrative.

SITECO Streetlight SL 11 iQ already comes fully loaded with comprehensive control and diagnostic options.

All elements can be extensively networked. This lets you connect components to create a system that's more than the sum of its parts. Intelligent lighting control realises its full potential when all the components interact: electronic control gear (ECG), LED module, optics and wireless configuration. This works just as well on its own as it does as part of a telemanagement system.



Auto-Match

Exchange ECGs in no time – without reprogramming.



Desk-Remote

Adjust luminaires in the workshop without opening any luminaires or shipping boxes.



Street-Remote

Configure luminaires from the sidewalk or from a vehicle “on the fly.”



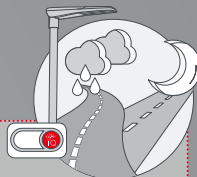
Colour-Switch

Get prepared now for future environmental and animal-protection guidelines and be able to react flexibly.



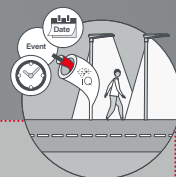
Light-Switch

Boost visibility and safety for road users when the weather changes.



Smart Wire

Dim inexpensively using existing control wires and intelligently switch between dim profiles, light colours and light distributions.



iQ app

With a smartphone, always have the full range of functions at your fingertips.

Night Set

Automatically adjust nighttime reduction to multiple levels and switch between two profiles (for example, weekends and weekdays).

Lumen Switch

Flexibly adapt the luminaire's luminous flux to its location as well as accommodate residents' requests.

Smart Interface

Using standardised Smart Interface, intelligent functions can be combined according to Zhaga Book 18.

Light Fading

Ensure a pleasant city atmosphere with soft dimming and no irritations.

Surge protection

With integrated surge protection, ensure your luminaires enjoy a long life.

CLO 2.0

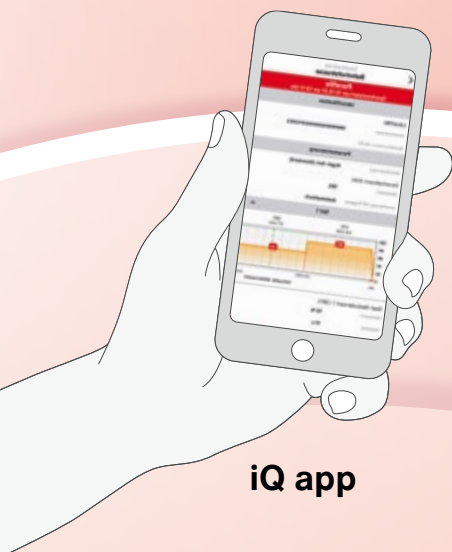
Constant luminous flux control from SITECO takes into account ambient temperatures and dimming. This also helps to save energy.

Temp Guard

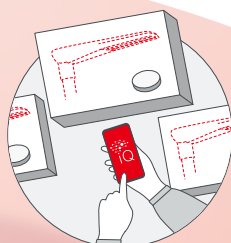
Reliably protect luminaires against overheating and ensure a long service life, even at high temperatures.

Fuse Plus

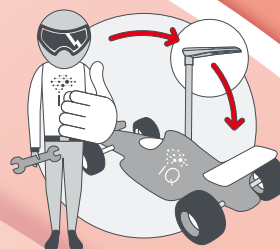
Keep existing circuit breakers and use them for additional luminaires.



iQ app



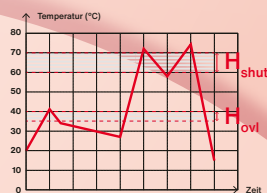
Desk-Remote



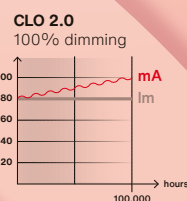
Auto-Match



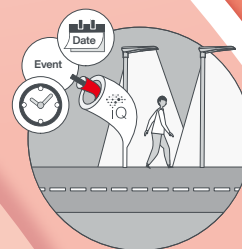
Lumen Switch



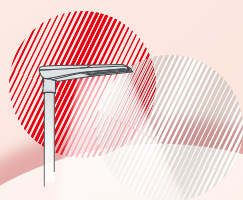
Temp Guard



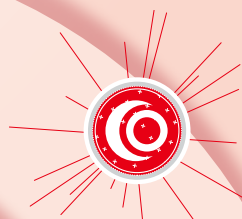
CLO 2.0



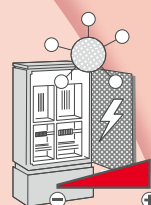
Smart Wire



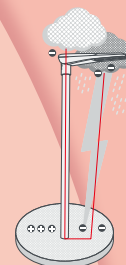
Light Fading



Night Set



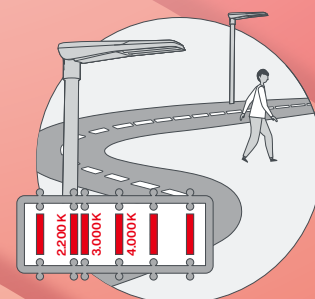
Fuse Plus



Surge protection



SITECO iQ
Comfort



Colour-Switch

Bundled features
SITECO iQ
 More than the
 sum of its parts.



Light-Switch



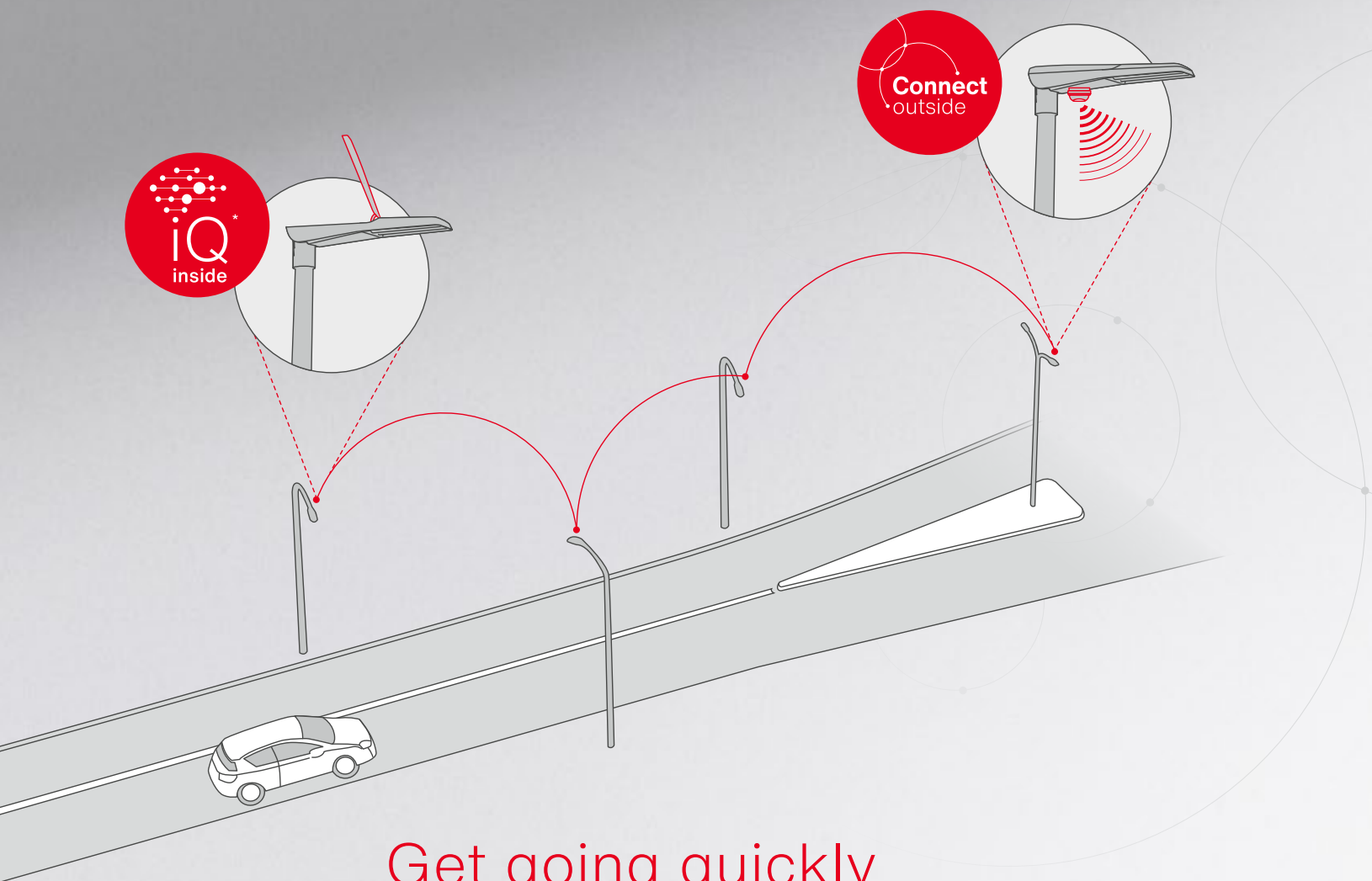
Street-Remote

SITECO iQ

**Professional
 add-ons**

For more
 options,
 simply turn
 the page.





Get going quickly with SITECO Connect.

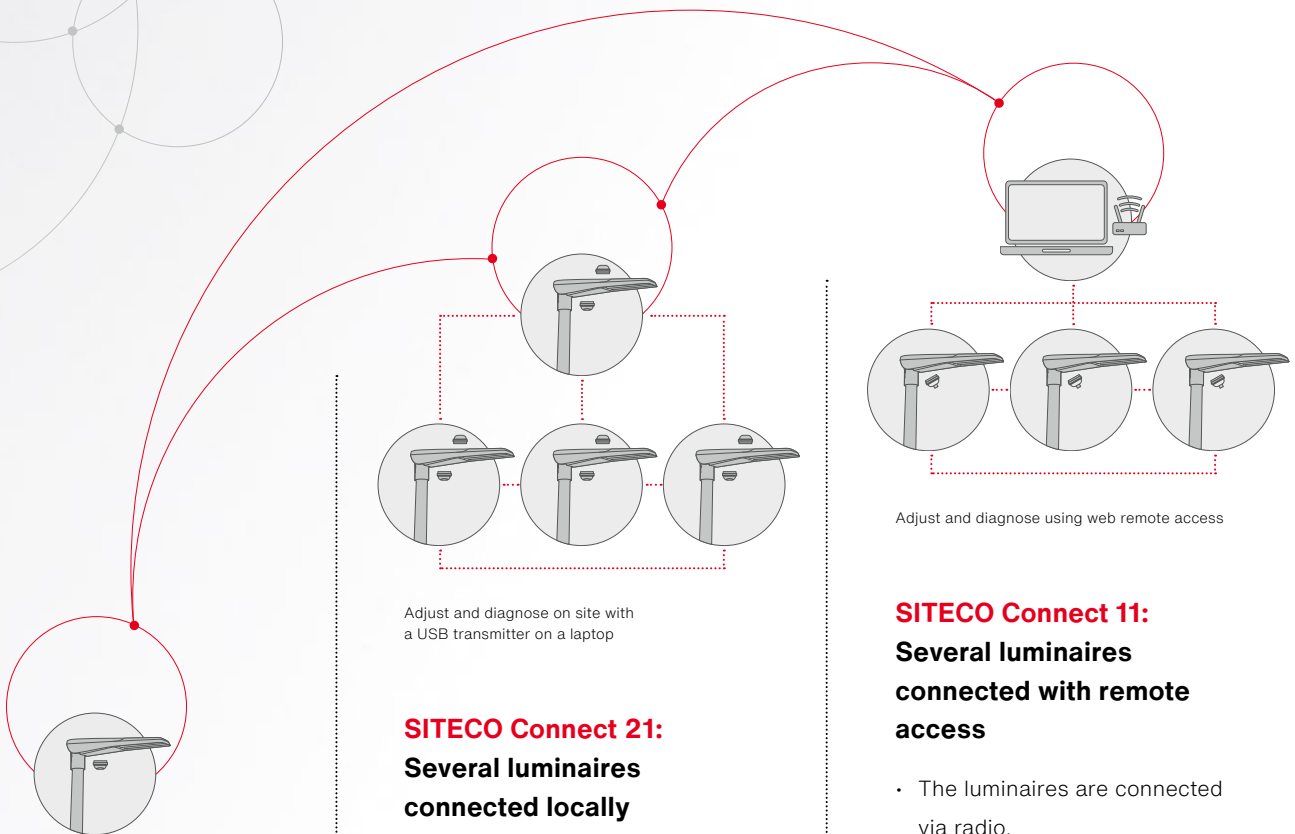
From simple control to a connected system.

There is a good reason why people refer to “city lights” when describing the special attraction of urban spaces. SITECO solutions make cities and communities even more liveable. Thanks to efficient, connected and sustainable lighting solutions.

Smart Interface provides Streetlight SL 11 with standardised interfaces based on Zhaga Book 18, D4i and NEMA that enable plug & play mounting of many compatible radio-based control systems and sensors.

The Smart Interface not only ensures future reliability, it also enables additional flexibility and greater independence. Cities and municipalities can adopt the control technology gradually – the time for implementing or retrofitting can be chosen as needed.

100% flexibility



SITECO Connect 31: **Individual luminaire**

- Individual luminaires are activated or dimmed with a local motion detector.

SITECO Connect 21: **Several luminaires connected locally**

- Several luminaires are connected via radio.
- The luminaires in the network communicate and synchronize among themselves.
- The luminaires are synchronously or continuously activated or dimmed.

SITECO Connect 11: **Several luminaires connected with remote access**

- The luminaires are connected via radio.
- Settings can be defined from the office via the network, with access and status messages sent automatically.
- Existing inventory and workflow systems like luxData by sixData can be used as a master.

Benefits provided by modern lighting control



Improved safety for people on roads and protection from vandalism



Sustainability through the protection of environmental resources and the animal world



Energy efficiency improvements through dimming according to requirements



Optimised operational management using current diagnostic data and documented systems



Streetlight SL 11 variations

Maximum light
output up to
163lm/W



Streetlight SL 11 micro

Technical data

Luminous flux: from 1,330 to 3,860 lm
Power consumption: up to 26.5 W
Light output: up to 156lm/W
Service life: more than L97 after 100,000 hours
Mounting height: 3 to 6 m

Applications

Collection roads, cycle paths, town plazas
--

Light distribution

1 2 3 4 5 6 7 (see diagram below)

Optical concept

HD faceted reflector
Tilt options: from -15° to +15°

Light colours

2,200K 3,000K 4,000K
Colour rendering: CRI > 70 80
Luminous intensity classes: G3 G4

Type of protection

IP66
Safety class: SK II
Impact resistance: IK09

Installation

Post-top/side entry
Mast flange: avg. 60 76 mm (post-top), avg. 60 76 mm (side-entry)
Reducer: 76-60 mm, 76-42 mm

Control

SITECO iQ SITECO iQ Street-Remote SITECO iQ Colour-Switch and Light-Switch (on request) Smart Interface (D4i)

Valid for all Streetlight SL 11 variations:



Streetlight SL 11 mini

Technical data

Luminous flux: from 2,510 to 8,820 lm
 Power consumption: up to 59.3 W
 Light output: up to 163 lm/W
 Service life: more than L97 after 100,000 hours
 Mounting height: 4 to 8 m

Applications

Collection roads, cycle paths, town plazas

Light distribution

1 2 3 4 5 6 7 (see diagram below)



Streetlight SL 11 midi

Technical data

Luminous flux: from 7,560 to 18,900 lm
 Power consumption: up to 124.7 W
 Light output: up to 159 lm/W
 Service life: more than L96 after 100,000 hours
 Mounting height: 6 to 12 m

Applications

Collection roads, residential streets, plazas, conflict zones

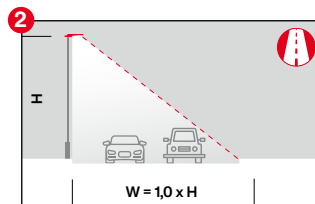
Light distribution

1 2 3 4 5 6 7 (see diagram below)

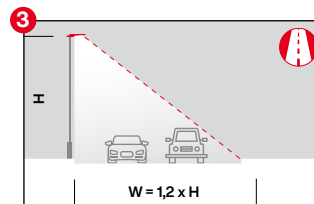
Light distributions for Streetlight SL 11 variations:



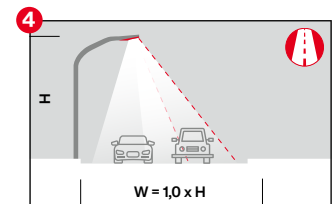
ST0.5a. For narrow roads, (cycle) paths – e.g., in residential areas



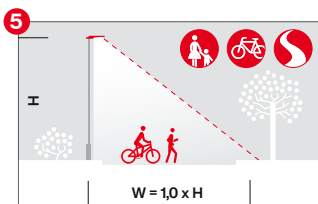
ST1.0a. For normal roads – e.g., major roads



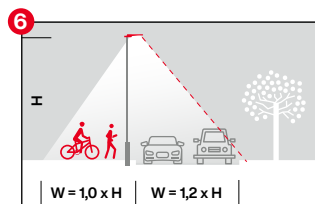
ST1.2a. For normal and wide roads



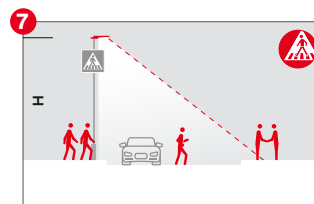
ST0.5ST0.5. For normal roads with whip masts



P1.0a. For small paths, streets and cycle paths



ST1.2P1.0. For normal and wide roads with rearward-situated walkways and cycle paths



PC-L/R. For pedestrian crossings



The primary components are neither bonded nor fastened with screws. They can be easily separated and **returned to the material life cycle** – also because all materials are fully documented.

SITECO offers:

Easy to separate

SITECO offers:

**Future-proof
and tool-free
maintenance**

Modules, drivers and other components can be replaced easily, even without tools – the ideal way to make repairs or add updates in no time at all. **SITECO is not a disposable light.**

SITECO offers:

**0%
light emissions**

0% light in the upper atmosphere is our goal. And this is exactly what Streetlight SL 11 achieves, thanks to its construction and lighting technology. For a truly **dark night sky.**

SITECO offers:

**Environmentally friendly
production and
packaging**

SITECO follows **environmental protection guidelines** for its production operations in Germany. That means: no long transport routes that stretch halfway around the globe and packaging that uses **as little plastic as possible.**

SITECO offers:

**Sustainable
light**

SITECO luminaires can be dimmed, activated and controlled as needed. The reduced level of light has a positive effect on the **natural behaviour of animals.**

SITECO offers:

**Targeted
lighting control**

From the die-cast aluminium housings to the multiply replaceable LED modules equipped with lighting technology we developed ourselves – everything at SITECO is designed with **long-lasting operation and significant CO₂ savings** in mind.

Circular economy implemented honestly.

Is a product sustainable because it uses less energy? No. Manufacturing and disposal of the product have to be considered as well. That's why we manufacture the Streetlight SL 11 in Germany using an energy-saving, sophisticated modular concept and with exceptionally high recycling rates. For a true circular economy. All of this is how we define "Made in Germany."



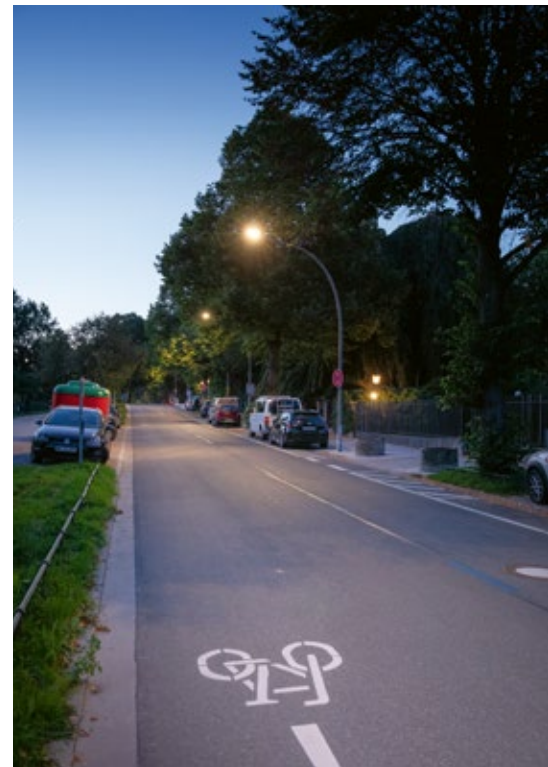
Project: Hamburg

Product: Streetlight SL 11

Hamburg

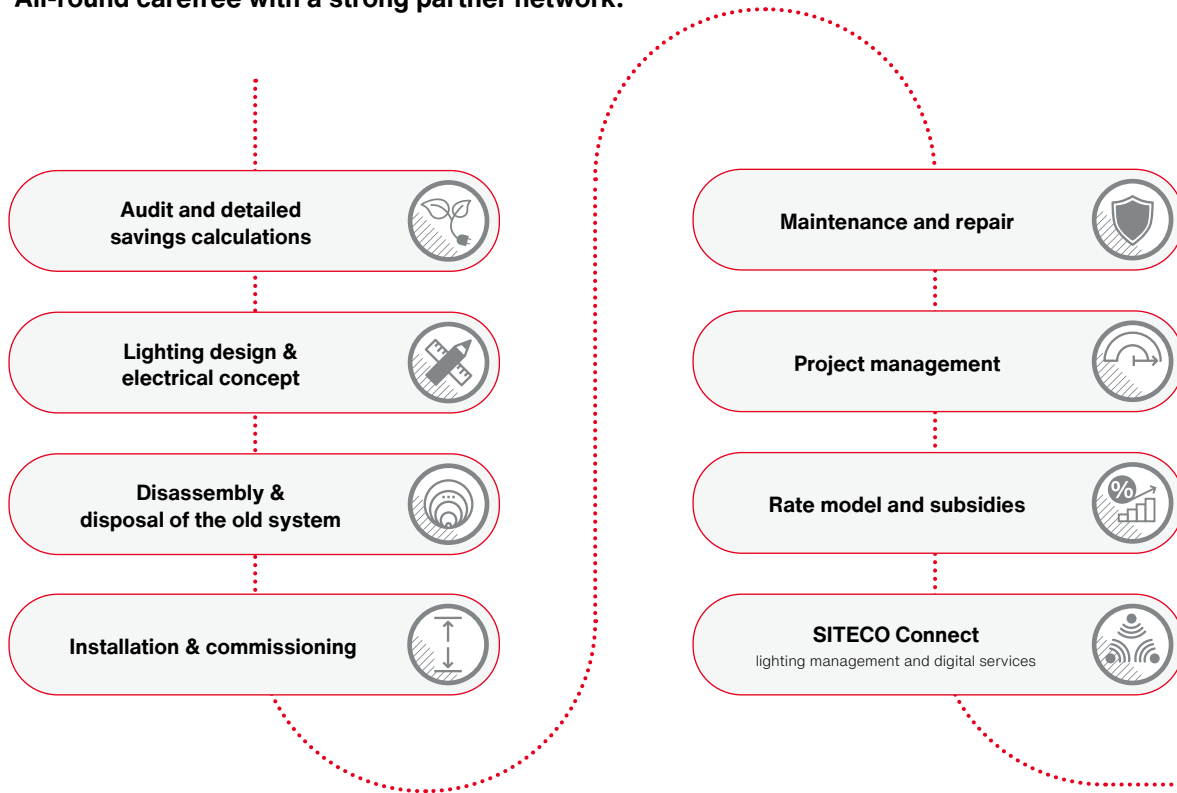
New lighting for the Hanseatic City.

Hamburg is systematically converting to LED right now. Many sections of roads have been lined with the Streetlight SL 11 from SITECO. This conversion not only saves a great deal of energy, it also creates a flexible foundation to meet all the requirements that still await the city in the future. This is the smart way to invest!



SITECO services

All-round carefree with a strong partner network.



With our service model, you get turnkey solutions from a single source – from planning and installation to maintenance and financing.
The choice is yours: from pure lighting to the “all-round carefree package”.

SITECO is your planning and development partner for every lighting solution.

Contact.

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