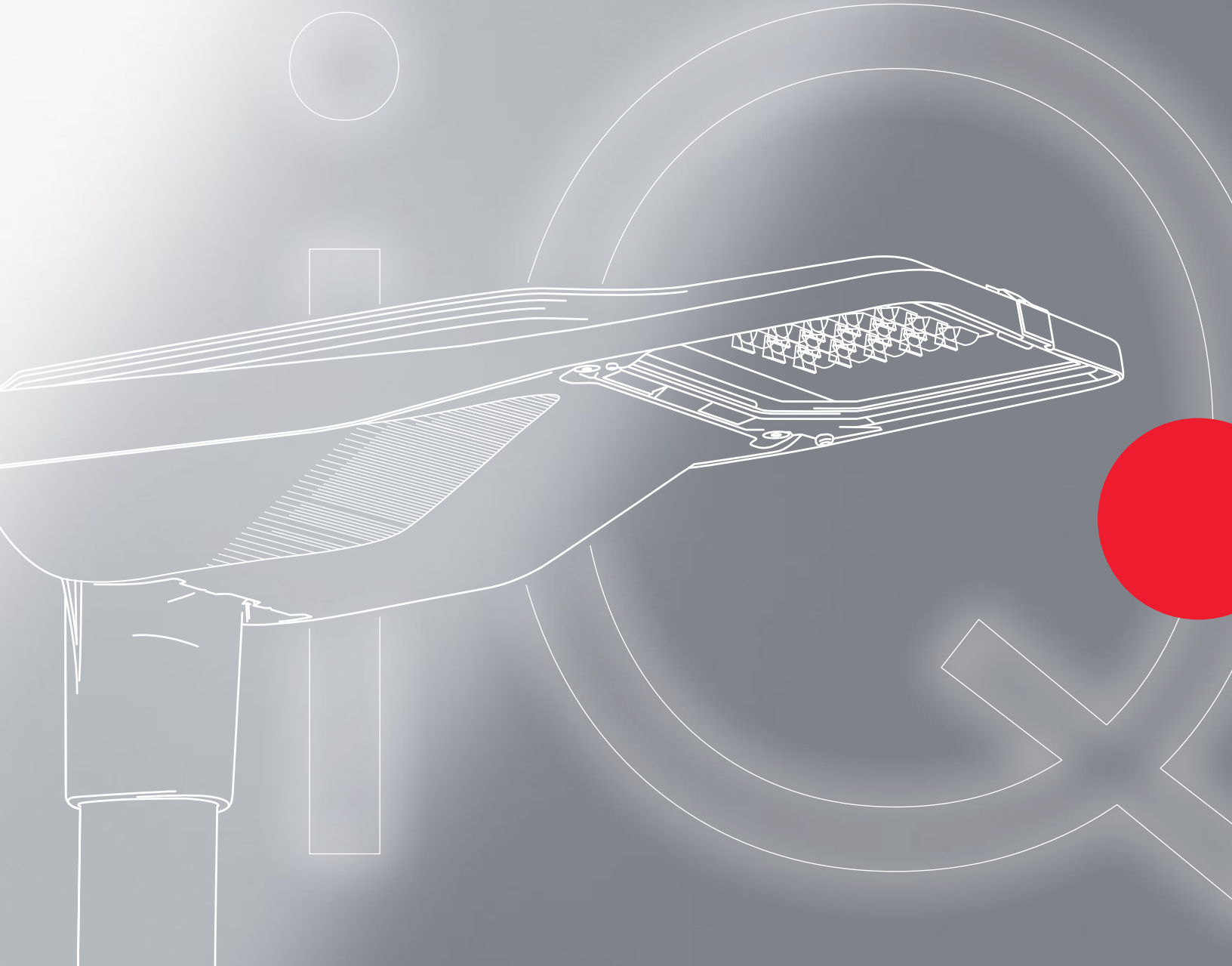


siteco



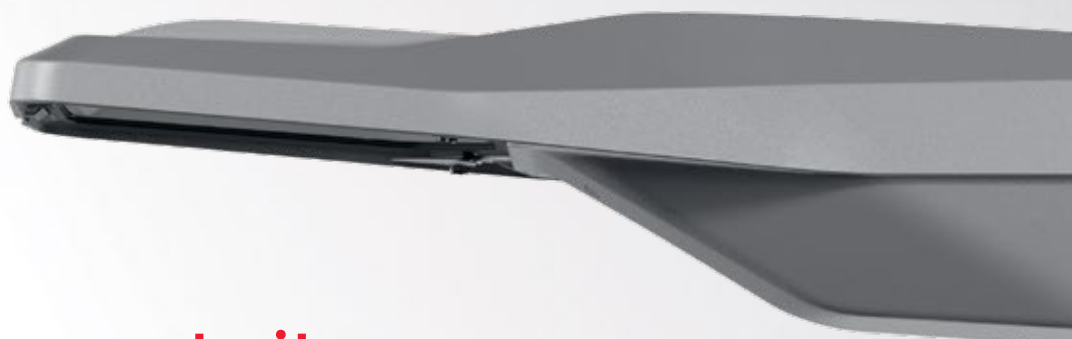
Types,
data sheets,
configuration —
all at a glance:

**Streetlight
SL 21 iQ**



Streetlight SL 21 iQ

Ultimate flexibility.
To future-proof your lighting.



Light for the **smart city** of today. **And tomorrow.**

Light is the foundation for the smart city. Sounds like the far future? But it's already possible today. Would you like to adjust your street lighting flexibly and easily? Or dim luminaires as needed to save energy? Streetlight SL 21 iQ makes it possible: you can adjust our intelligent luminaires quickly and easily, in groups or individually – always precisely tailored to your needs. This means that your street lighting is already as efficient as possible today. And at the same time ready for all smart applications that will be developed in the future. Thus, your city is well prepared for the future.

Future-proof by design: SITECO Streetlight SL 21 iQ.



- **Future-proof efficiency:** low energy costs thanks to the highest energy efficiency with a luminous efficacy of up to 160 lm/W
- **Future-proof concept:** modular, sustainable solution with thermal decoupling of the ECG device compartment from the LED unit. Enables a long service life with minimal light degradation of max. 3 % after 100,000 hours
- **Future-proof flexibility:** Zhaga interfaces as well as new iQ functions for state-of-the-art lighting control, wireless connectivity and versatile sensor technology
- **Future-proof robustness:** for reliable operation even under the toughest conditions thanks to UV-resistant PMMA lenses, cover made of safety glass and C5 corrosion protection class.

**NEW****SL 21
micro****Simple maintenance:**

- Luminaire design without cooling ribs prevents dirt accumulation and simplifies cleaning
- Screwless attachment of the glass cover for quick replacement directly on the mast or for swiftly retrofitting the lighting technology plus accessories

Sustainable and insect-friendly: various light distributions thanks to lens-based, high-power LED technology – with 0 % light immission at 0° tilt

Grows with your requirements: accessories for shielding light can be attached subsequently to the mast (on the side, rear and/or front)

Simple assembly and adjustment:

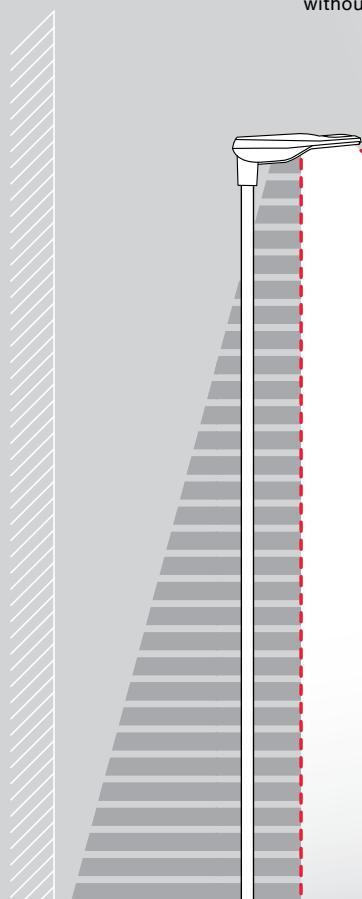
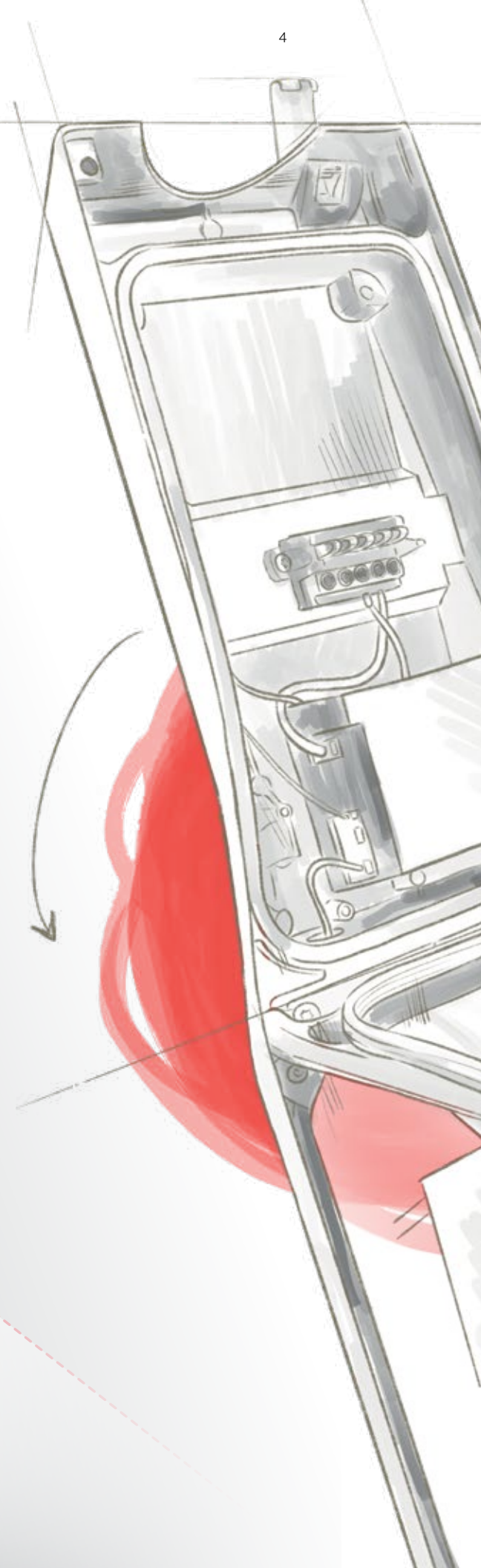
- Tool-free opening
- Tool-free mast flange assembly on the luminaire
- Tool-free tilt adjustment for quick installation and alignment (optional: universal mast flange)

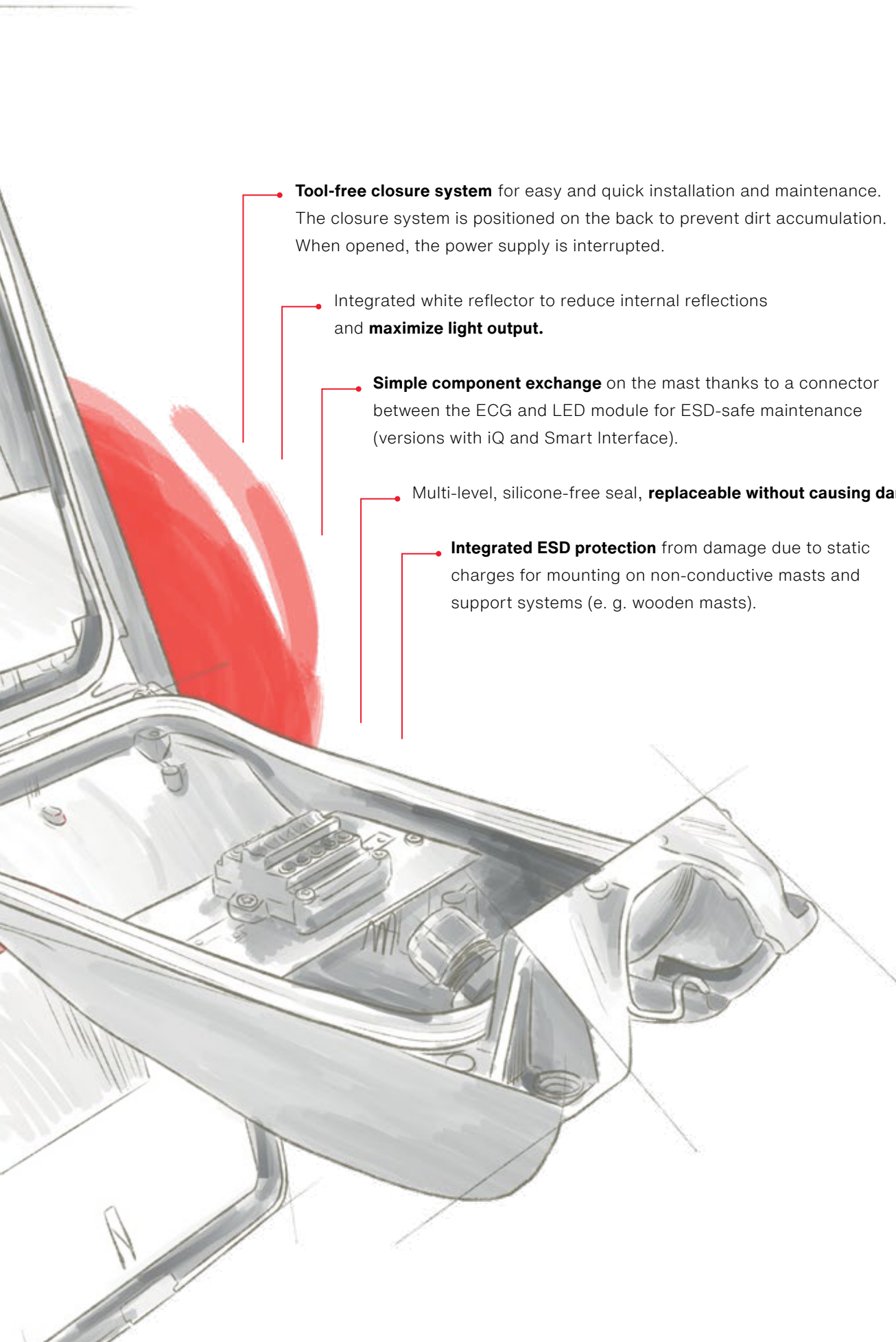
Complex lighting is just this simple.

Two modules. Easy and convenient handling.

Retrofittable BLC covers integrated in the LED module (Back Light Control) and other accessories to prevent any light spill.

Back Light Control cover (BLC): To reduce rearward light spill, the integrated BLC cover can be retrofitted at any time without affecting the luminaire's design.





● **Tool-free closure system** for easy and quick installation and maintenance. The closure system is positioned on the back to prevent dirt accumulation. When opened, the power supply is interrupted.

● Integrated white reflector to reduce internal reflections and **maximize light output.**

● **Simple component exchange** on the mast thanks to a connector between the ECG and LED module for ESD-safe maintenance (versions with iQ and Smart Interface).

● Multi-level, silicone-free seal, **replaceable without causing damage.**

● **Integrated ESD protection** from damage due to static charges for mounting on non-conductive masts and support systems (e. g. wooden masts).



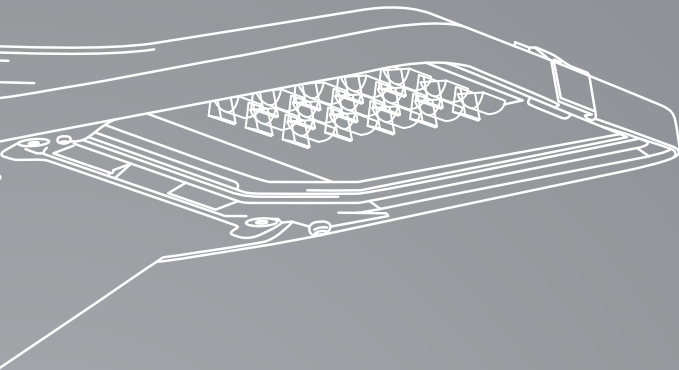
Light: intelligent. Control: intuitive.

SITECO Streetlight SL 21 iQ already comes fully loaded with comprehensive control and diagnostic options.

Unleash the full potential of intelligent street lighting with SITECO iQ. Our patented control electronics developed in-house offer you a host of options to manage the lighting in your city or community – all the way through to fully digital and connected solutions.

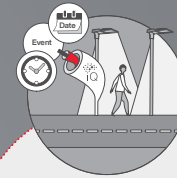
For light that is even smarter and more efficient. And that can be managed conveniently via the iQ app.





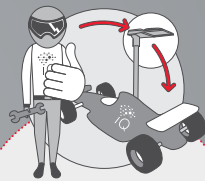
Street-Remote

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



Smart-Wire

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



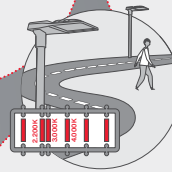
Auto-Match

Exchange ECGs in no time – without reprogramming.



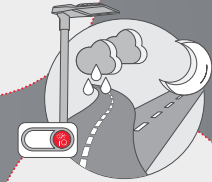
Desk-Remote

Adjust luminaires in the workshop without opening the box.



Color-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.

iQ app

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

Lumen-Switch

Flexibly adapt the luminaire’s luminous flux to its location and accommodate residents’ requests.

Smart-Interface

Intelligent functions can be combined using the standardized Smart Interface based on 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

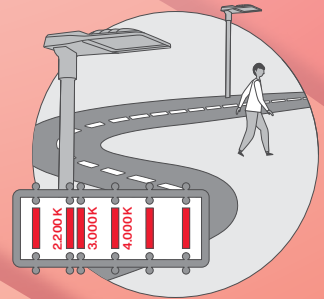
Constant luminous flux control from SITECO takes into account ambient temperatures and dimming. This also helps to save energy.

Temp-Guard

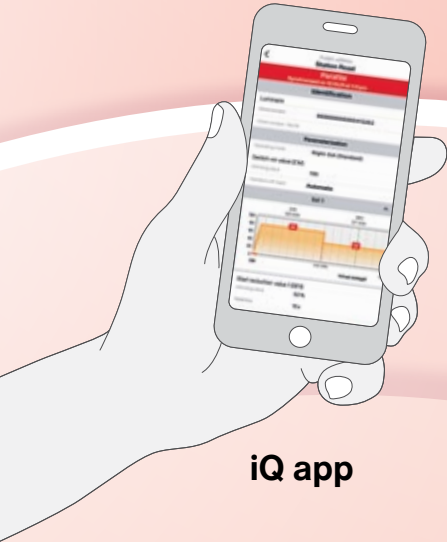
Reliably protect luminaires against overheating and ensure a long service life, even at high temperatures.

Fuse-Plus

Keep existing circuit breakers and use them for additional luminaires.



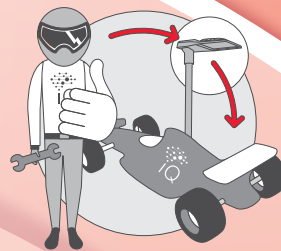
Color-Switch



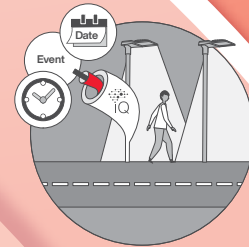
iQ app



Desk-Remote



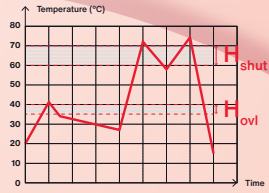
Auto-Match



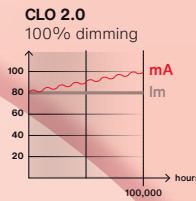
Smart-Wire



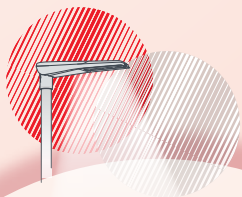
Lumen-Switch



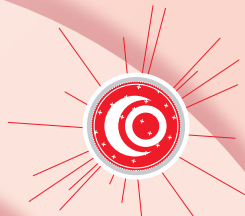
Temp-Guard



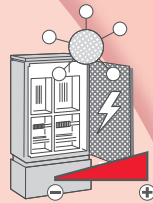
CLO 2.0



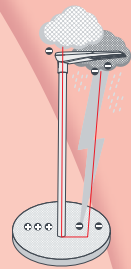
Light-Fading



Night-Set



Fuse-Plus

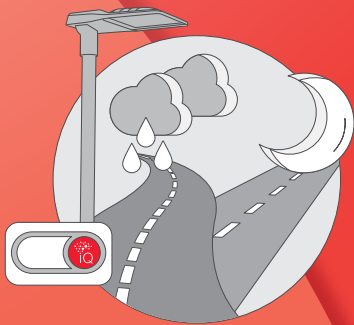


Surge-Protection



SITECO iQ
Comfort

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



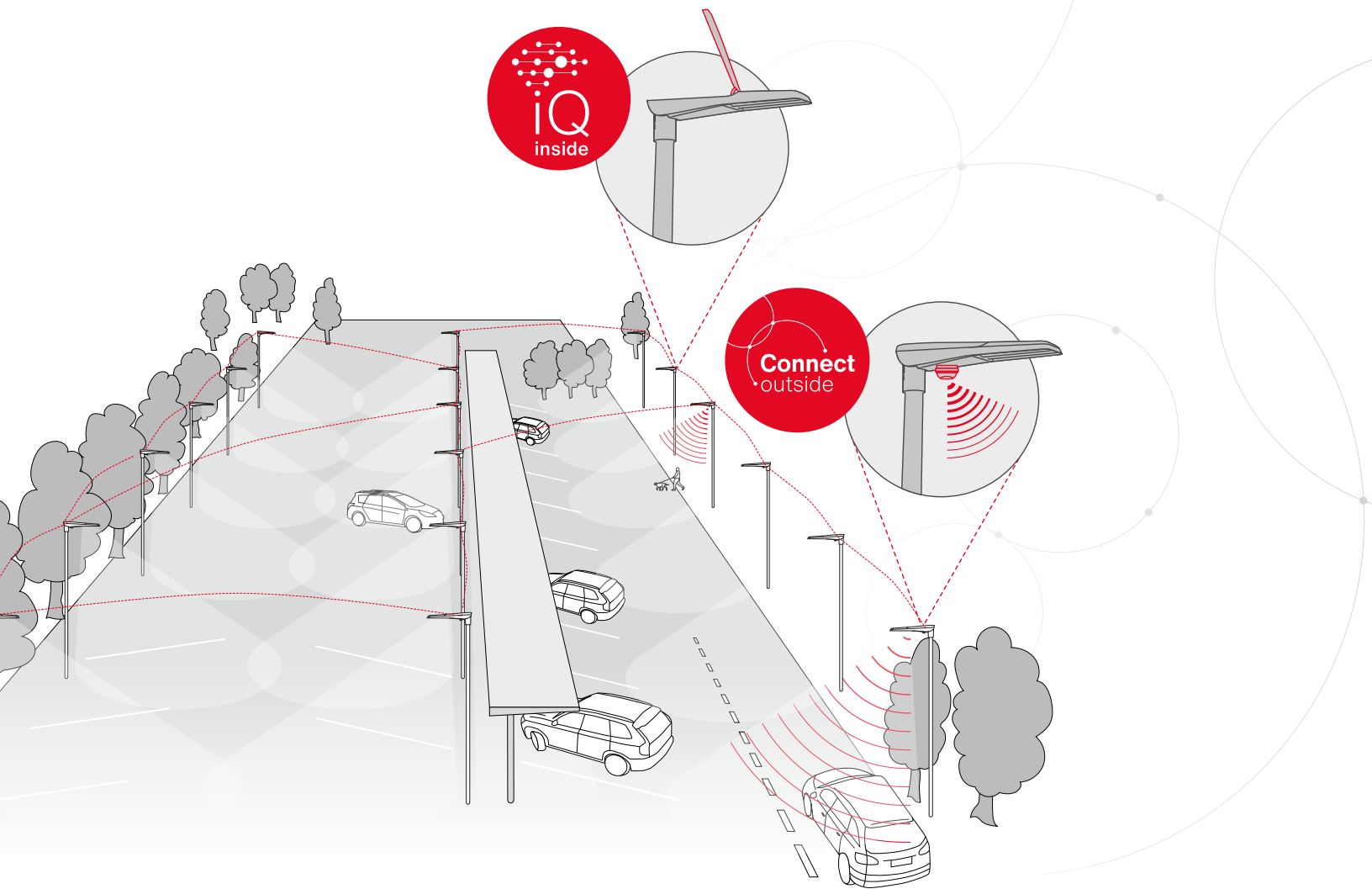
Light-Switch



Street-Remote

SITECO iQ

Professional
add-ons



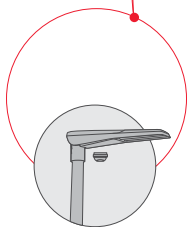
Get started today with SITECO Connect

From simple control to a connected system.

Thanks to the Smart Interface, Streetlight SL 21 iQ has standardized interfaces based on Zhaga Book 18 and D4i that enable simple plug & play installation of many compatible radio-based control systems and sensors.

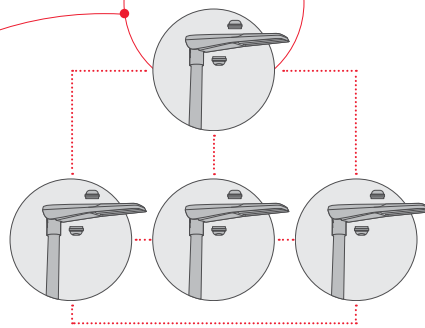
Street lamps today, part of the smart city in the future: you can retrofit elements at any time with Streetlight SL 21 iQ and thus gradually make the move to smart technology. That gives you independence and future-proofs your street lighting.

100 % flexibility



SITECO Connect 31: Individual luminaires

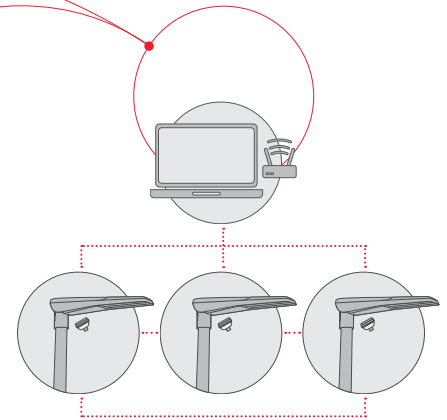
- Individual luminaires are switched or dimmed with a local motion sensor.



Configure and diagnose on-site with a USB transmitter on a laptop

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 successively switched or dimmed.



Configure and diagnose using web remote access

SITECO Connect 11: Several luminaires connected with remote access

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

Advantages with modern lighting control



Improved safety for people on roads and protection from vandalism



Contributes to sustainability by protecting environmental resources and wildlife



Improved energy efficiency thanks to needs-based dimming



Optimizes operational management using current diagnostic data and documented systems



Made in Germany



- **You can count on it:** we keep all LED types in stock in every light color so that we can respond quickly to your needs.
- Custom builds special solutions are our specialty. Thanks to our own production facilities in the Chiemgau region, we can respond **quickly and flexibly** to every customer request.



The future of electric light: high-tech made in Germany.

“Made in Germany” is more than just a label for us. We have our own lens production and paint shop at our Traunreut facility as well as an in-house LED board production.

We are constantly expanding our on-site production. This allows us to generate high added value in the region. And it means that we can guarantee you optimum quality and delivery capacity and respond quickly and flexibly to your individual requests and requirements.

**We don't just market “Made in Germany”.
We embody it.**



SITECO offers:

Zero light pollution

Zero percent light in the upper atmosphere is our goal. And this is exactly what Streetlight SL 21 achieves, thanks to its construction and lighting technology. For a truly **dark night sky**.

At SITECO, everything is designed for **long-lasting operation and significant CO₂ savings**. We therefore invest significant time and a lot of passion into developing sophisticated spare part concepts – across multiple luminaire generations.

SITECO offers:

Sustainable light

SITECO offers:

Future-proof and convenient maintenance

Modules, drivers and other components can be exchanged effortlessly. Repairs and upgrades can therefore be carried out in no time – and now even faster with iQ. **SITECO is light for generations**.

SITECO luminaires can be dimmed, switched and controlled as needed. The reduced level of light has a positive effect on the **natural behavior of animals**. This will be even easier in the future with iQ.

SITECO offers:

Precise lighting control

SITECO offers:

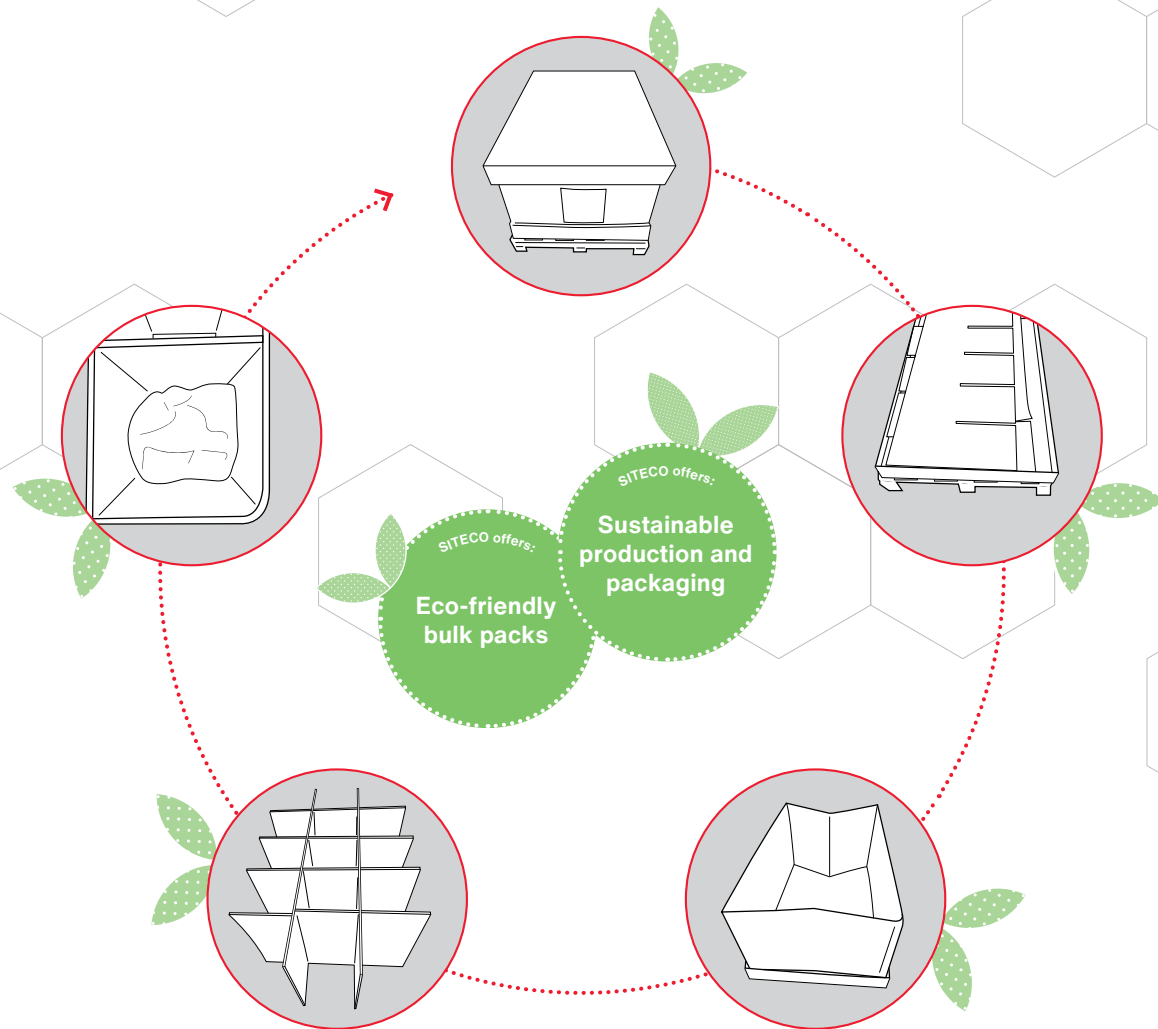
Sustainable and local value creation

We have our own in-house production facilities in Traunreut. Not only does this **benefit the environment, but also strengthens the location in the long term**.

SITECO offers:

Separation by type

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.



Being future-proof means being sustainable. In each and every aspect.

Sustainability is more than a trend – it is our collective responsibility. Systematic sustainability in all aspects is the only way to safeguard the future of our planet. This basic principle is the foundation for development, production and sales at SITECO. In our view, a true circular economy involves the entire product: Production that respects environmental protection guidelines. Durable design that allows upgrades. 100 % needs-based lighting. Eco-friendly, plastic-free and multiple-item packaging. And at the end: separating all materials by type.

Sustainability means anticipating the future.

Streetlight SL 21 models



Streetlight SL 21 micro

Technical data

Luminous flux: from 1,500 to 5,320 lm

Power consumption: up to 39 W

Luminous efficacy: up to 154 lm/W

Service life: above L97 after 100,000 h

Mounting heights: 3 to 6 m

Applications

Collection roads, cycle paths

Light distribution

1 2 3 4 5 6 7 8 9 (see diagram below)

Valid for all Streetlight SL 21 models:

Optical concept

Lens technology (PMMA)

Tilt options from -15° to $+15^{\circ}$

Light colors

2,200 K | 2,700 K | 3,000 K | 4,000 K

Color rendering: CRI > 70 / 80

Luminous intensity classes: G3 | G4 | G6

Type of protection

IP66

Safety class: II

Impact resistance: IK09

Mounting

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 Color-Switch and Light-Switch (on request) | Smart-Interface (D4i)



Streetlight SL 21 mini

Technical data

Luminous flux: from 3,723 to 13,390 lm
 Power consumption: up to 88 W
 Luminous efficacy: up to 160 lm/W
 Service life: above L97 after 100,000 h
 Mounting heights: 4 to 10 m

Applications

Collection roads, cycle paths, town plazas

Light distribution

1 2 3 4 5 6 7 8 9 (see diagram below)



Streetlight SL 21 midi

Technical data

Luminous flux: from 10,450 to 24,250 lm
 Power consumption: up to 155 W
 Luminous efficacy: up to 157 lm/W
 Service life: above L97 after 100,000 h
 Mounting heights: 6 to 14 m

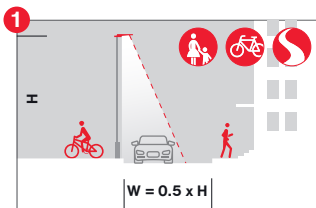
Applications

Collection roads, cycle paths, plazas, conflict zones

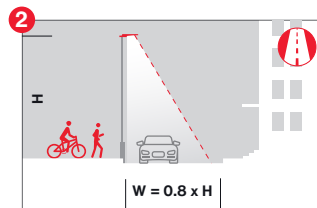
Light distribution

1 2 3 4 5 6 7 8 9 (see diagram below)

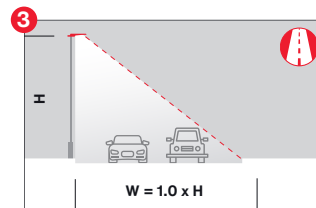
Light distributions for Streetlight SL 21 models:



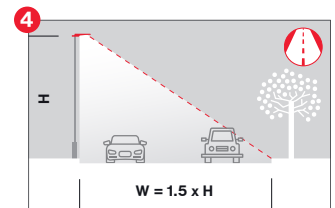
ST0.5a – For narrow roads, (cycle) paths – e. g. in residential areas



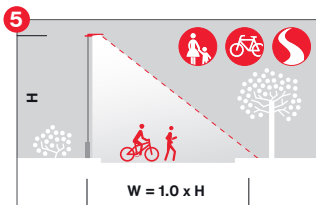
ST0.8a – For normal-width roads (luminous intensity class G4), e. g. for trunk roads and frontage roads



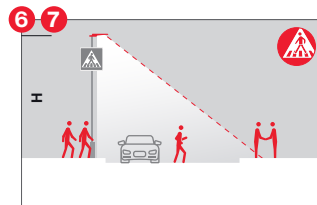
ST1.0a – For normal roads, e. g. main roads



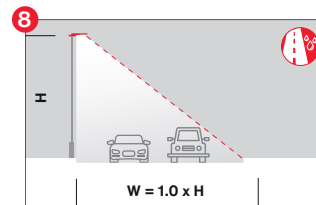
ST1.5a – For very wide roads and car parks, e. g. in conflict zones such as intersections and streets with adjoining areas



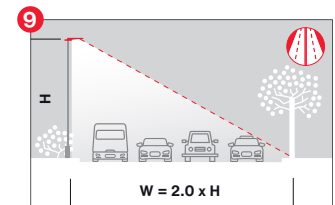
P1.0a – For narrow paths, streets and cycle paths



PC-L/R For pedestrian crossings



STW1.0a – Especially for wet streets and G4 requirements (e. g. conflict zones)



PL52 – For multi-lane roads

Custom-built solutions? Standard for us.

800,000 custom luminaires in more than 1,000 projects: producing individual customer solutions is our daily bread and butter. From the color of the housing to the shape of the bracket to the light color – with SITECO luminaires, everything can be adapted to your requirements. And without delay compared with catalog orders. Thanks to our own production facilities in the Chiemgau region, we can respond quickly and flexibly to every customization request. Because that is what we do on a daily basis.

Everything is possible. Simply contact us.

Contact.

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