

siteco



With SITECO iQ
Smart-Interface
(Zhaga-D4i standard)



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

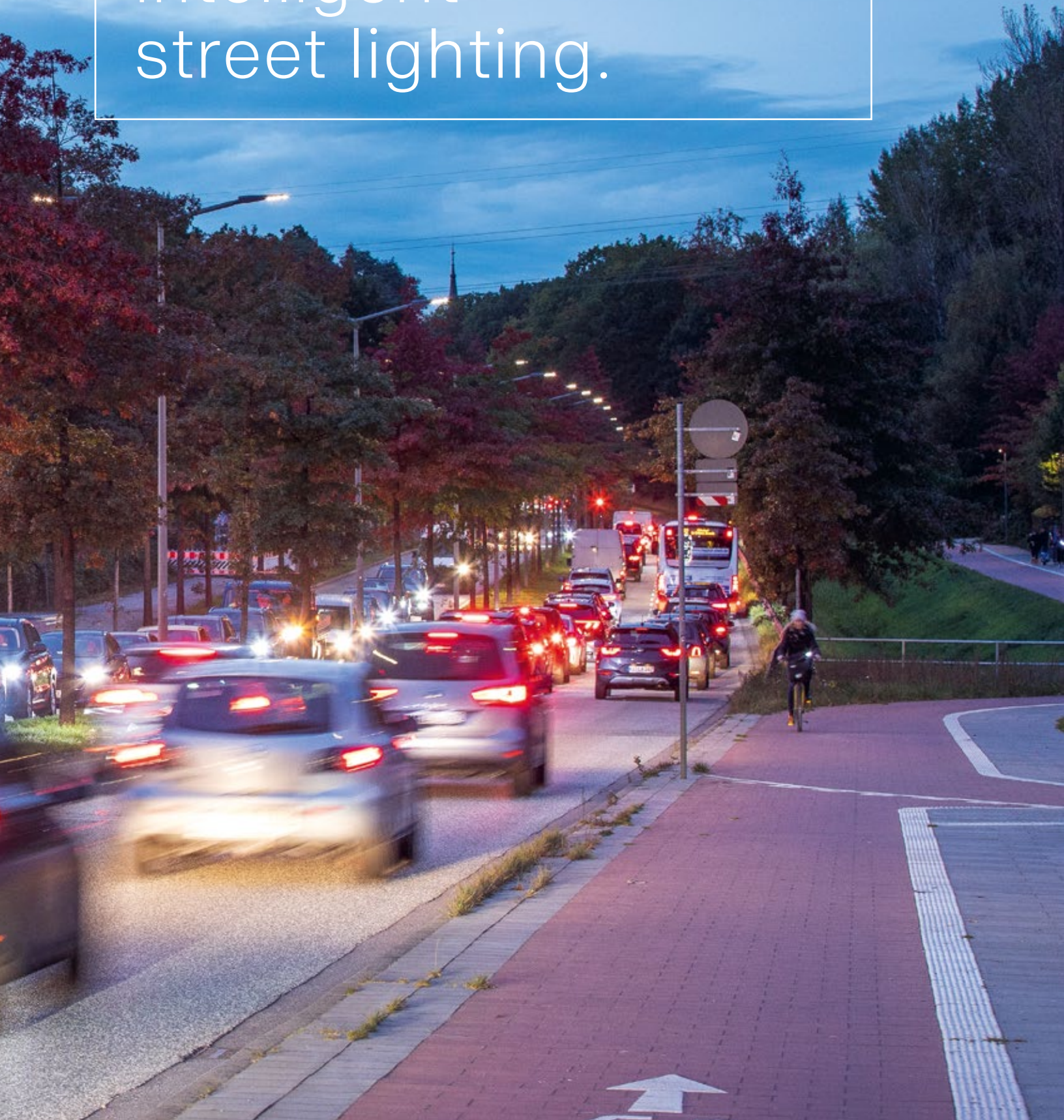
**Streetlight
SL 11 iQ**



Streetlight SL 11 iQ

Steering streets to safety – with intelligence.

Quantum leap
intelligent
street lighting.



SL 11 iQ

SL 11 iQ brings intelligence to the streets. Modern design meets outstanding lighting technology and maximum efficiency. With intelligent control and diagnostic features, as well as open interfaces.

Future-proof .

Open Zhaga D4i interfaces.

Revolutionary .

Intelligent lighting in synch with nature
(including switchable light colors).

More efficient than ever .

Up to 175 lm/W through the precise
synergy of electronics and optics.

Intelligent .

Patented SITECO iQ luminaire electronics –
delivering top-tier control, efficiency and flexibility.

Innovative .

Patented silver-coated HD reflectors for highly
directional light and exceptional visual comfort.

Sustainable .

Replaceable components, easy upgrades,
eco-conscious packaging.





Natural Intelligence.

Can lighting offer safety while protecting nature?
Conserve resources and adapt to changing needs?

Our answer is clear: Yes! With intelligent lighting
that combines energy efficiency, sustainability, and
real value – for people and nature alike.
Innovation inspired by nature.

**A quantum leap for people,
the environment and the future.**

Natural Intelligence.

As intelligent as nature itself. And truly sustainable.

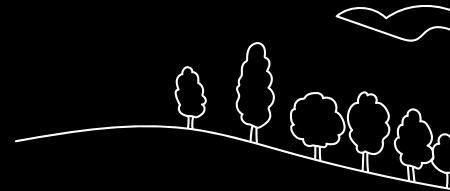
Which light colors will be required in the future? You don't have to worry about that. SITECO iQ Colour-Switch enables flexible adjustment of the light color – tailored to the application, time of day, and season. Thanks to automatic switching between predefined light color settings.

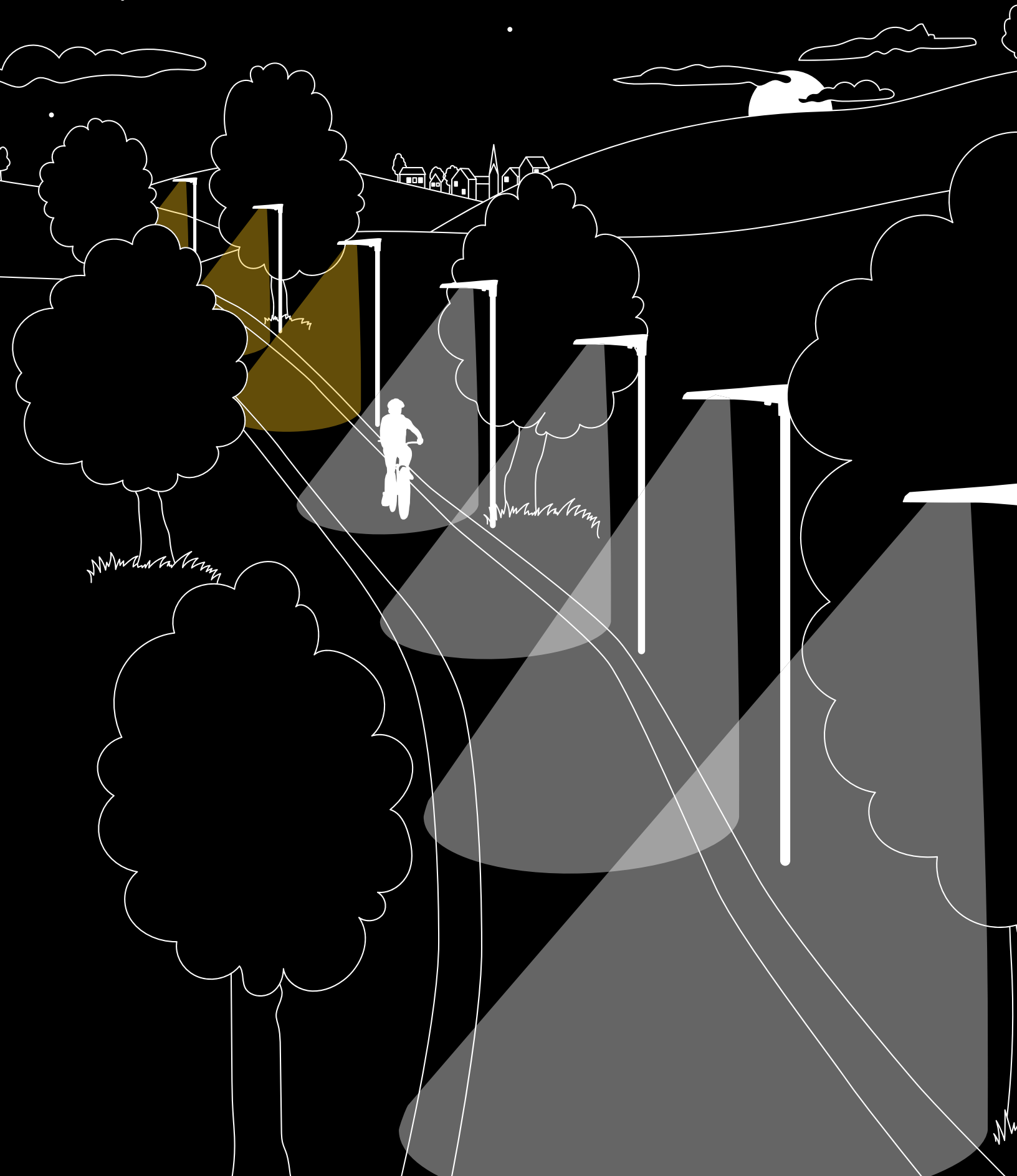
SL 11 with SITECO iQ Colour-Switch.
A quantum leap for people and nature.

**More
safety.**

**Less
costs.**

**More
environmental
protection.**



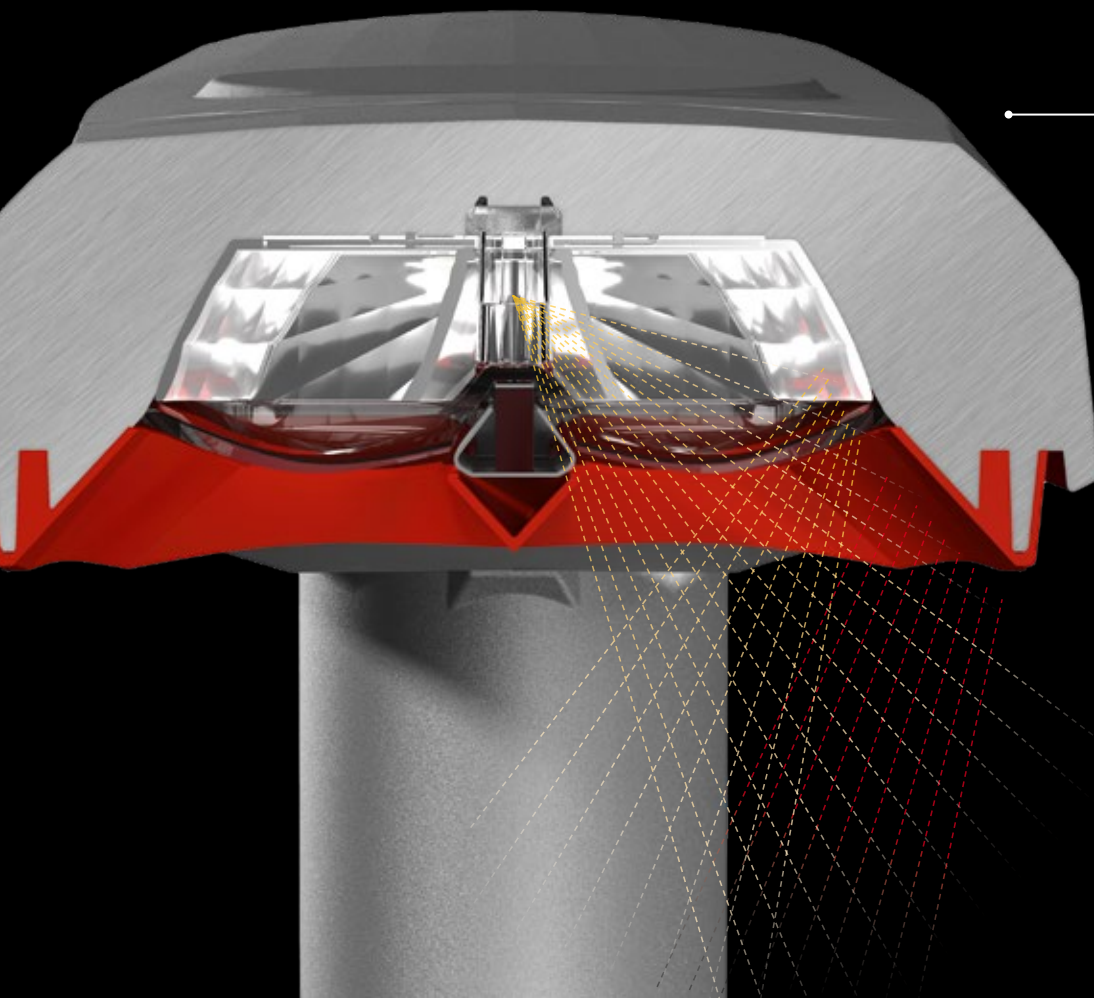


Natural Intelligence.

Insect protection without loss of efficiency.

Studies confirm: Warm-white light is more insect-friendly – yet even red light can attract them. What really matters is how visible the light is from all angles. Light emitted at angles above 70° is particularly attractive to insects. The SITECO environmental shields with click-in system provide targeted shading in these critical angles, effectively reducing insect attraction.

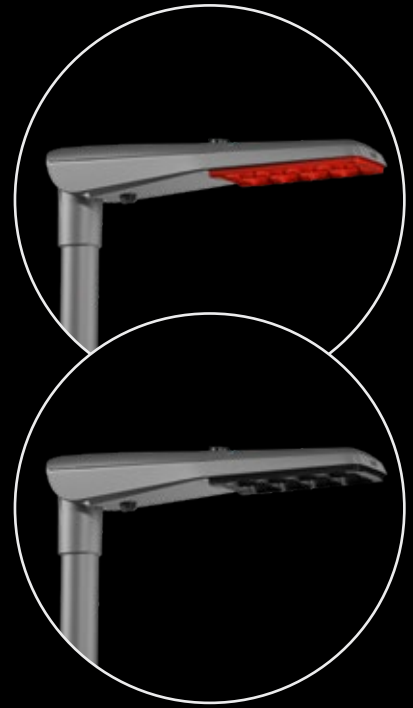
A quantum leap for insect protection.



Protecting insects. Preserving efficiency.

SITECO environmental shields enable targeted lighting control at critical angles – with full efficiency and uncompromised light quality.

- **Red shield:** Transforms light at angles above 70° into red light and redirects it efficiently to the useful area.
- **Black shield:** Absorbs light emitted at angles above 70°.



Pioneering

100 % Dark Sky. 0 % upward light.

Ultra-fast

No tools needed – install or remove in seconds.

Pure and authentic

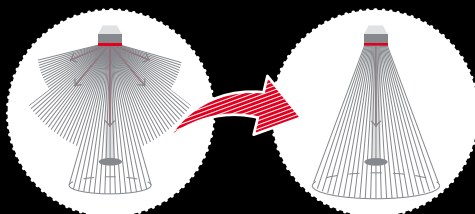
Outstanding color rendering and high contrast visibility.

Natural ●●●●●
Intelligence.

Unique high-
definition faceted
reflectors.

Dark Sky

Zero upward light at 0° tilt.



Conventional
luminaires

SITECO luminaires

Power

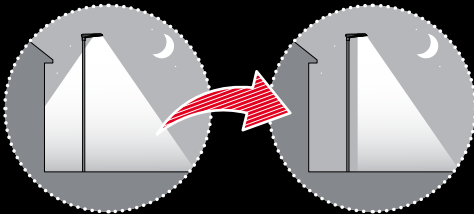
10 % more luminous flux
thanks to silver coating.





Glare control

Precision-engineered light distribution.



With Back-Light-Control
technology

Premium lighting technology

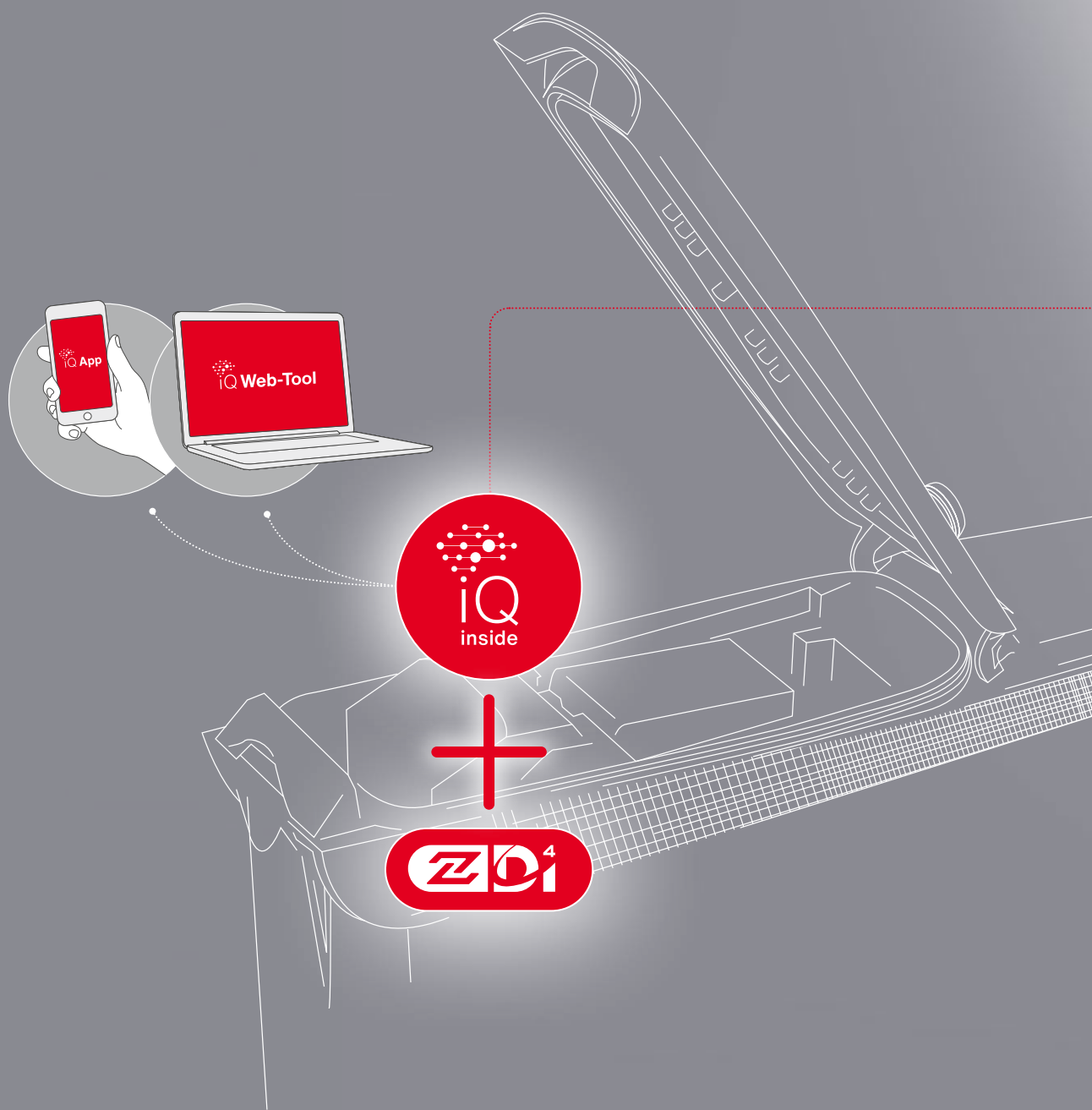
Seamless color blending with no visible
color differences on the luminaire.

Maximum intelligence. Minimum complexity. Lighting made for tomorrow.

With iQ luminaire electronics, every luminaire becomes a smart system: control gear, LED module and optics perfectly connected, wirelessly controllable, and ready for anything.

Smart-Interface is your ticket to the world of sensor technology and radio control – fully integrated and Zhaga-D4i compliant. Whether today or tomorrow: the SL 11 is ready.

A quantum leap in comfort and future readiness.



Discover more features here:



SITECO iQ **Auto-Match**

Replace components in no time – no reprogramming needed. With automatic data exchange.

SITECO iQ **Desk-Remote**

Adjust the luminaire in the workshop without opening the housing or the packaging.

SITECO iQ **Street-Remote**

Adjust the luminaire from the sidewalk – no tools, road closures, or cherry pickers required.

SITECO iQ **Light-Switch**

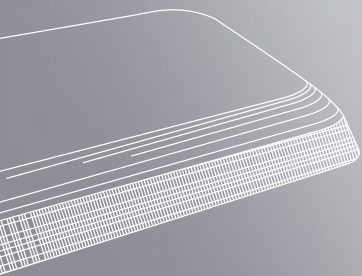
Automatic adjustment of light distribution based on weather conditions to reduce glare.

SITECO iQ **Colour-Switch**

Adjustable light color. For improved environmental and species protection, safety, and well-being.

SITECO iQ **Smart-Wire**

Dim using existing control lines and switch between dimming profiles, light colors, and light distributions.



Made in

Traunreut



Sustainability. Without compromise.

100 % In-house design
and manufacturing

100 % Sustainable modular design
with recyclable components

100 % Customizability and
interchangeability

100 % EPD-certified and Dark Sky compliant
(certified by “Paten der Nacht”)

100 % Short distances and fast delivery
for maximum flexibility

A quantum leap for your sustainability.



SL 11 Standard variants



Maximum
luminous efficacy
of up to
175 lm/W



Streetlight SL 11 micro

Technical data

Luminous flux: from 1,500 to 3,800 lm

Power: up to 26.5 W

Luminous efficacy: up to 164 lm/W

Service life: over L97 after 100,000 h

Mounting height: 3 to 6 m

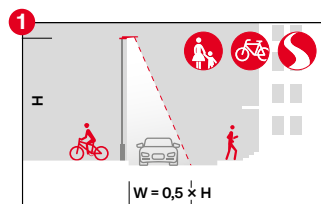
Recommended applications

Collector roads, residential roads, cycle paths, squares

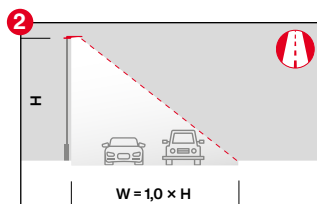
Possible light distributions

1 2 3 4 5 6 7 8 9 10 (see illustration below)

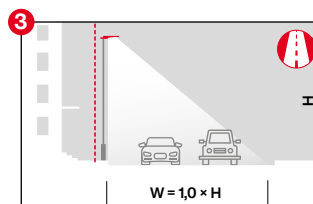
Light distributions for Streetlight SL 11 variants:



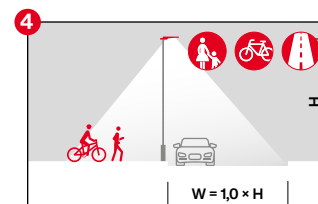
ST0.5a - For narrow roads, (cycle) paths, asymmetric wide distribution; ratio of road width to LPH up to 0.5



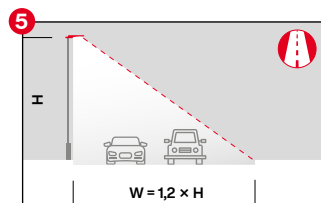
ST1.0a - For normal roads, asymmetric wide distribution; ratio of road width to LPH up to 1.0



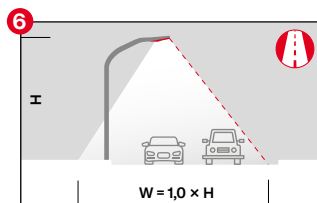
ST1.0aB Back-Light-Control - For normal roads, asymmetric wide distribution; ratio road width to LPH up to 1.0 with internal rear shield



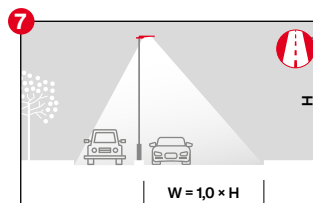
ST1.0P1.0 - For normal roads with sidewalk or cycle path to the rear, asymmetric wide distribution; ratio of road width to LPH up to 1.0. Sidewalk or cycle path to LPH up to 1.0



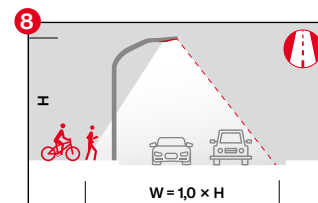
ST1.2a - For normal and wide roads, asymmetric wide distribution; ratio of road width to LPH up to 1.2



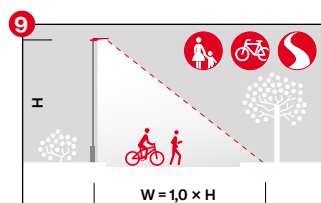
ST0.5ST0.5 - For normal roads with whip poles, asymmetric wide distribution, ratio of road width to LPH up to 1.0



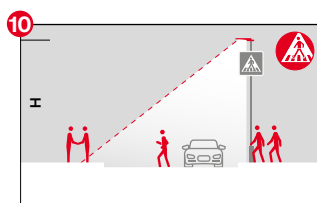
ST1.0ST0.5 - For normal roads with rear narrow road/residential road/cycle path, asymmetric wide distribution; ratio of road width to LPH up to 1.0. Rear road to LPH up to 0.5



ST1.2P1.0 - For normal and wide roads with sidewalk or cycle path to the rear, asymmetric wide distribution; ratio of road width to LPH up to 1.2. Rear road to LPH up to 1.0



P1.0a - For narrow roads, (cycle) paths, asymmetric extremely wide distribution; ratio of road width to LPH up to 1.0



PC-L/R - For crosswalks left/right distribution

**Streetlight SL 11 mini****Technical data**

Luminous flux: from 2,900 to 8,800 lm

Power: up to 59.3 W

Luminous efficacy: up to 174 lm/W

Service life: over L97 after 100,000 h

Mounting height: 4 to 8 m

Recommended applications

Collector roads, main roads, crosswalks, squares

Possible light distributions

1 2 3 4 5 6 7 8 9 10 (see illustration below)

**Streetlight SL 11 midi****Technical data**

Luminous flux: from 9,200 to 18,900 lm

Power: up to 124.7 W

Luminous efficacy: up to 175 lm/W

Service life: over L96 after 100,000 h

Mounting height: 6 to 12 m

Recommended applications

Collector roads, main roads, crosswalks, squares, conflict zones

Possible light distributions

1 2 3 4 5 6 7 8 9 10 (see illustration below)

The SL 11.
As individual as
your project.

**Make it
your light:**



Valid for all Streetlight SL 11 variants:

Optics concept

HD faceted reflectors

Light colors

1,800 K | 2,200 K | 2,700 K | 3,000 K | 4,000 K | Colour-Switch

Color rendering: CRI > 70 | 80

Luminous intensity classes: G3 | G4

Protection class

IP66

Protection class: SK II

Impact resistance: IK10

Mounting

Mast top / Mast side

Mast flange: Ø 76 / 60 / 48 / 42 mm
with tilt options from -15° to +15°

Reducer: 76 – 60 mm, 60 – 42 mm

Control systemSITECO iQ | SITECO iQ Street-Remote | SITECO iQ Light-Switch
(on request) | SITECO iQ Smart-Interface (Zhaga-D4i) |
SITECO iQ Colour-Switch**Lighting accessories**Environmental shields to block light at angles > 70°,
in red, black, and DB702S



Project: Siemens Campus Erlangen

Product: SL 11 iQ

Maximum savings. With intelligent sensor technology.

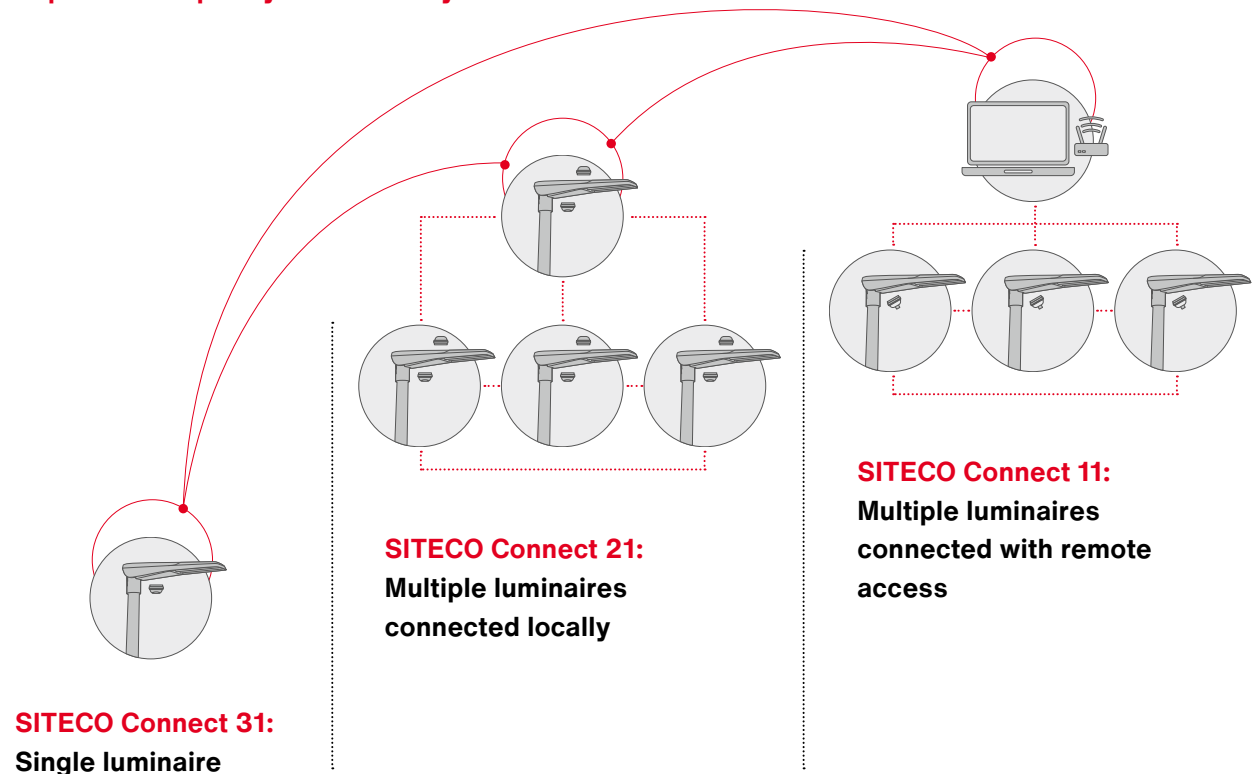
Learn more
about our lighting
control systems:



With Smart-Interface, SITECO outdoor luminaires are equipped for all control requirements. Sensor technology, wireless control, demand-based lighting – easy to integrate, built to save energy.

SITECO Connect Wireless provides the right solutions. Fully adaptable to your needs: pre-equipped today, upgradeable tomorrow.

A quantum leap for your smart city.



Advantages of modern lighting control



Safe.
Enhanced traffic safety.
Reduced vandalism.



Sustainable.
Conserving resources.
Protecting nature and wildlife.



Efficient.
Energy-efficient lighting
based on actual needs.



Reliable operation.
Efficient system management
through transparent data.



Project: Allee am Röthelheimpark, Erlangen

Product: SL 11 iQ

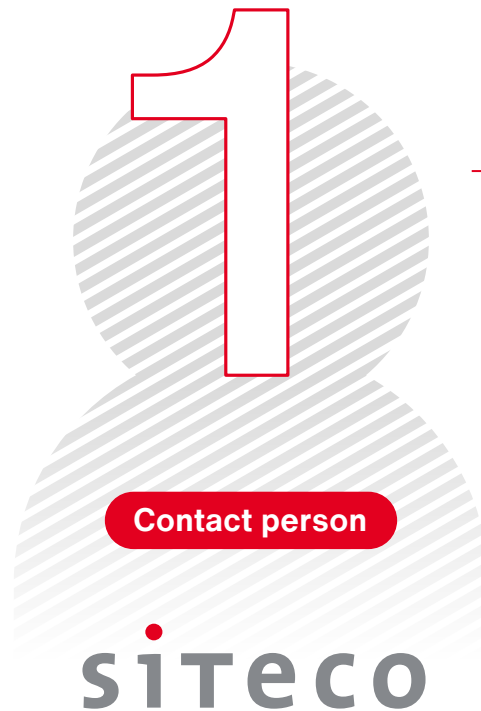
Maximum control. With digital operations management.

It's not just the luminaires and controls that need to be smart – operations must be, too. Centrally managed. Your entire municipality at a glance: Planning maintenance, resolving faults, documenting and billing – with digital efficiency and full transparency. luxData.easy and SITECO take care of this for you.

A quantum leap for your operations management.

Let's start today – and shape tomorrow's lighting and operations for your municipality.





Top-level expertise and a single point of contact.

Turnkey projects require expertise – in every discipline. That’s why we rely on specialized experts with many years of experience in the electrical industry. Your benefit: one contact person at SITECO coordinates your entire project.

Our SITECO service team takes responsibility for your project.



- + Inventory

- + Planning & project management

- + Funding application

- + Financing concept

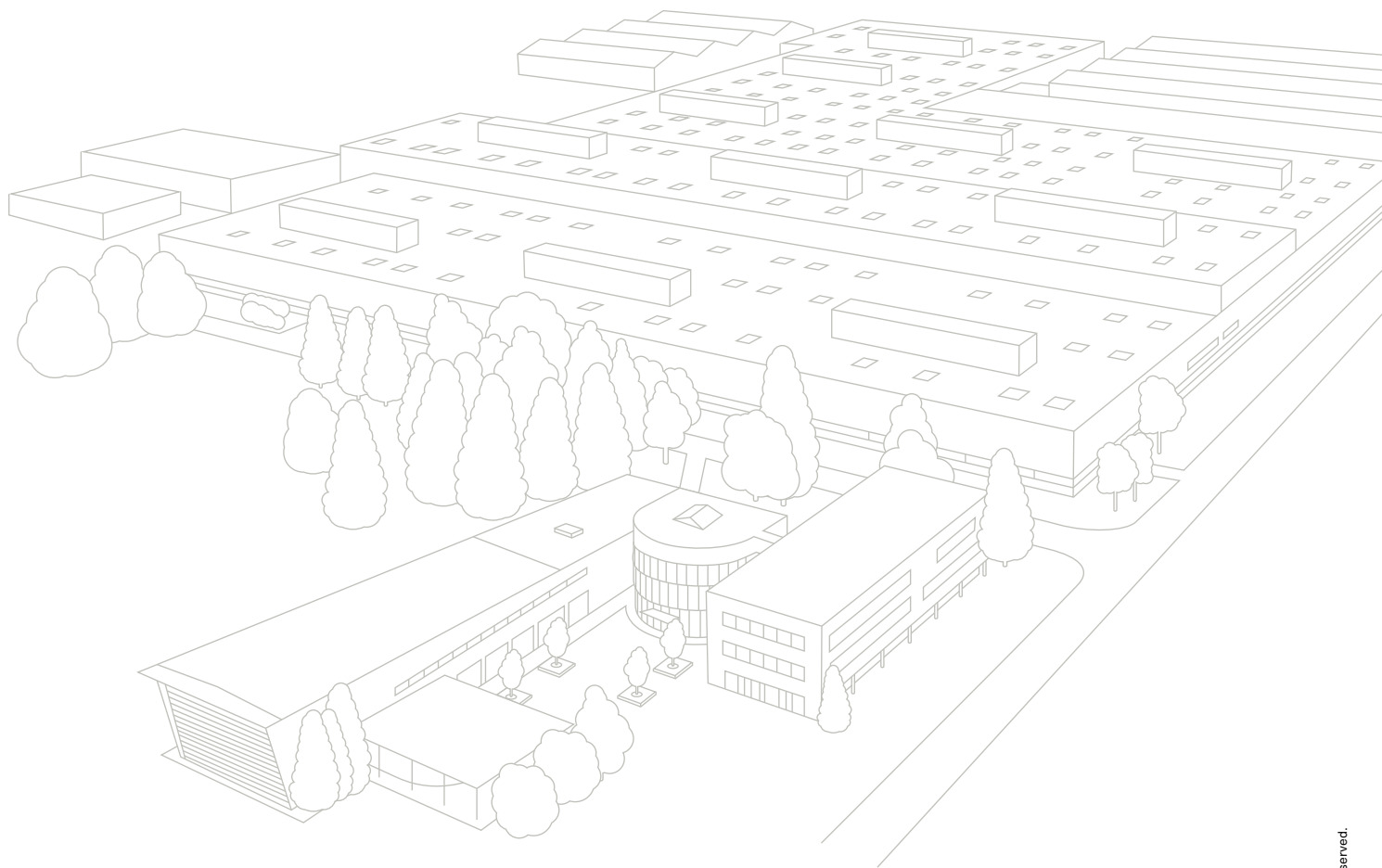
- + Delivery & preparation

- + Installation

- + Commissioning

- + Acceptance & documentation

Get in touch today and
discover the quantum leap
in intelligent street lighting.



Contact.

Siteco GmbH

Georg-Simon-Ohm-Str. 50
83301 Traunreut, Germany
Phone +49 8669 330
info@siteco.com

[siteco.com](https://www.siteco.com)