

sITeco

Made in
Traunreut



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

**Streetlight
SL 31**



Streetlight SL 31

Reduce to Max.

Streetlight SL 31.

Reduce to Max.

To achieve the
maximum, you
need to focus on
the essentials:

Perfect light.

High level of convenience.

High energy efficiency.

Flexibility today and tomorrow.

Environmental protection and sustainability.

Development and production in Germany.

SE



Sounds like
wishful thinking?
No. Sounds like
SL 31.

Maximum flexibility.

Flexible planning

Various light distributions and colors (2,200 K to 4,000 K)

Four sizes (lumen packages: 2,000 lm to 35,000 lm)

Clean and uniform design across all variants

Customized modifications



Simple installation

Tool-less opening system

Tiltable luminaire body as a post-top / side-entry solution.

3 different spigots available.

Tilt options post-top: -15° ... $+20^{\circ}$ / side-entry: -20° ... $+20^{\circ}$.

All parts relevant for operation in one package (luminaire, pre-assembled cable, spigot)



Light – made for outdoors.

Made in

Traunreut

Future-proof operation

Zhaga / NEMA (7 pin) interfaces for sensors, lighting control and networking

Wireless readout and parameterization, even retrospectively (Desk-Remote)

7 dimming levels with additional control options (Night-Set)



NEMA

Sustainable concept

Made in Traunreut (development, design and production)

EPD certification by independent testing institute

All components manufactured in-house / made in Europe, and separable by type

Modular spare parts concept

Save packaging material: also available in bulk packaging



Quality with a seal of approval

CE, ENEC, ENEC+, UKCA, C5 high (high seawater resistance)



Mechanics

Size:

- Micro
- Mini
- Midi
- Maxi

Opening mechanism:

- Screwed
- Tool-less

Spigot and tilt:

- 76 / 60 mm
(post-top: -15° ... +20°; side-entry: -20° ... +20°)
- 60 / 48 / 42 mm
(post-top: -15° ... +20°; side-entry: -20° ... +20°)
- Optional: Flexible spigot: 76 mm – 34 mm
(post-top: -15° ... +30°; side-entry: -30° ... +25°)

Housing colors:

- Standard color: DB702S
- Thanks to our own paint shop, any color in the RAL spectrum is possible

Lighting technology

Light color:

- 2.200 K CRI 70
- 2.700 K CRI 70
- 3.000 K CRI 70 / CRI 80
- 4.000 K CRI 70
- Other light colors also available on request

Light distributions:

- 12 light distributions as standard incl. optional BLC shield
- Customized light distributions possible on request

Please note: Not all of the features listed above can be combined together to create an effective system.

Certain combinations are mutually exclusive. We'd be happy to advise you about your selections.

Controls

Controls:

- Easy (ON / OFF, optional with Night-Set)
- Easy LST (ON / OFF, with LST function, optional with Night-Set)
- Smart-Interface: Zhaga incl. LST or Nema (7pin)

Night set back profile:

- 7 different settings possible

Parameterisation options:

- Wired via SITECO Service Box
- Wireless via Desk-Remote

Packaging

Packaging concept:

- Single packaging
- Bulk packaging
 - 18x SL 31 Micro
 - 18x SL 31 Mini
 - 12x SL 31 Midi
 - 12x SL 31 Maxi

Delivery concept

Spigot mounting:

- Inserted (standard)
- Mounted post-top orientation (0°)
- Mounted side-entry orientation (0°)

Connection cable and length:

- Various connection cable types and connection cable lengths available as standard
- Standard equipment H07RNF

Maximum flexibility for your project.

Made in Traunreut also means maximum flexibility for your project. With a wide range of series types and other configuration options, the SL 31 is always exactly the luminaire you need!



Seamless and sustainable

Thanks to the tool-less opening system and few, high-quality materials

Curved design

Smooth transitions instead of patchwork



**Minimalist design
without frills**

For harmonious integration into the cityscape

**Maximum
design.
Makes the
difference.**

Integratively additive

Spigot design echoes
the shape of the luminaire

**Thoughtfully designed
from A to Z**

Consistent color concept
including durable coating –
for a consistently attractive
appearance



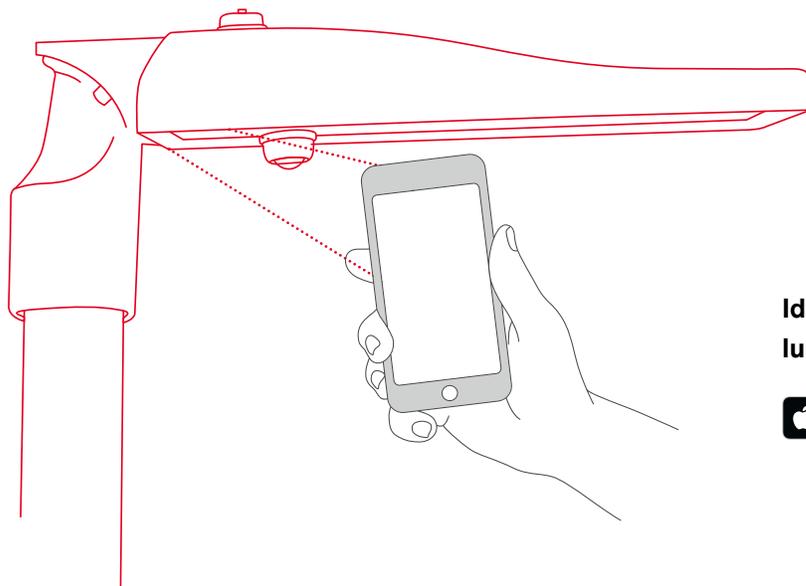
Clear shapes

The SL 31 seamlessly
integrates into the
SITECO universe

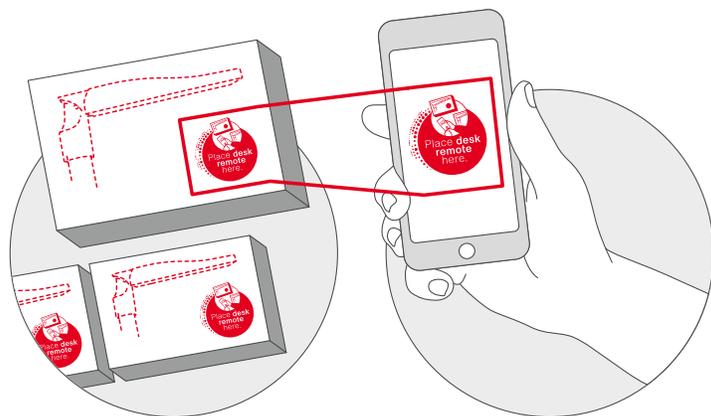
Thought out to the max. The core competence of the SL 31.

For all pragmatists – with Desk-Remote, parameterization becomes a breeze.

Fed up with cumbersome readouts and time-consuming parameterization?
That's why we do it differently: Voltage-free. Effortlessly. Through the box.
Without unpacking the luminaire.

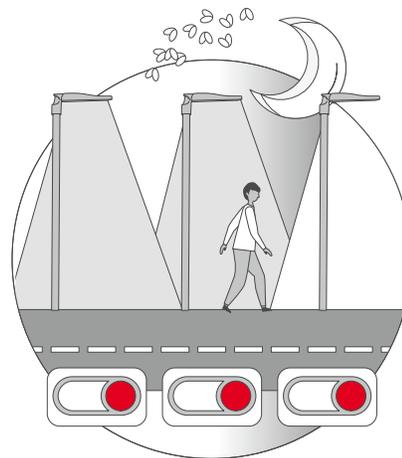


**Identification and readout of
luminaire data via QR code.**



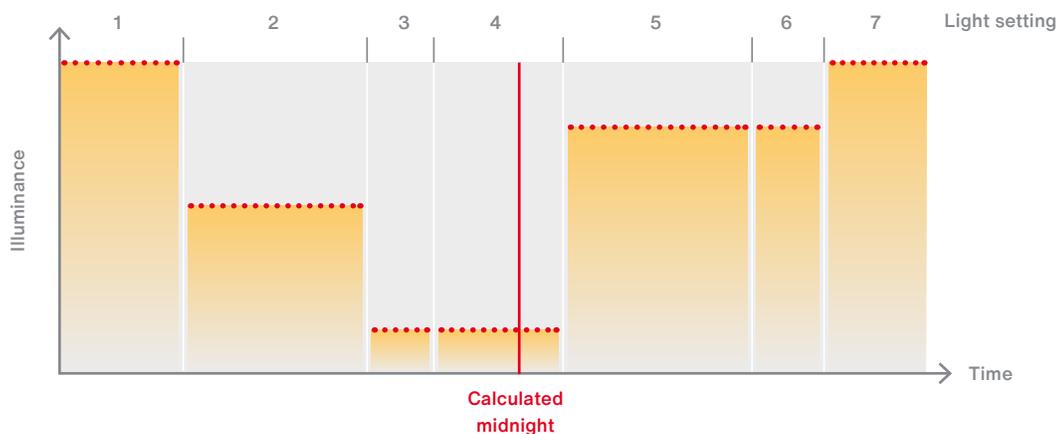
**Wireless setting and testing
through cardboard or glass
cover with SITECO handheld.**

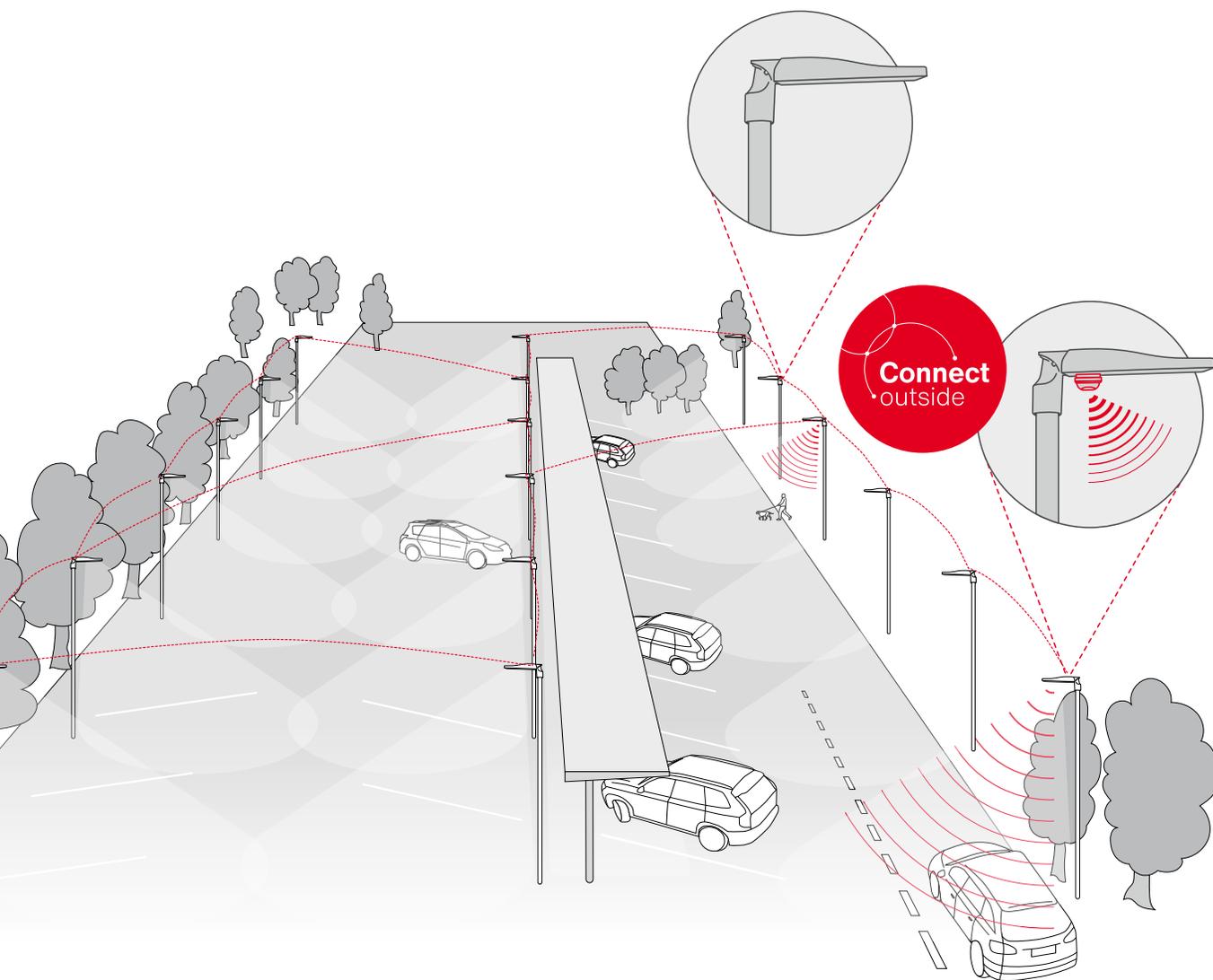
For all night owls –
Night-Set takes
night dimming to
the seventh level.



“Always on” is so yesterday. And so is mere dimming. There's much more to it. The SL 31 offers seven dimming levels plus additional features. All nocturnal animals say thank you. And so does your wallet.

Standard Night-Set profile (example)

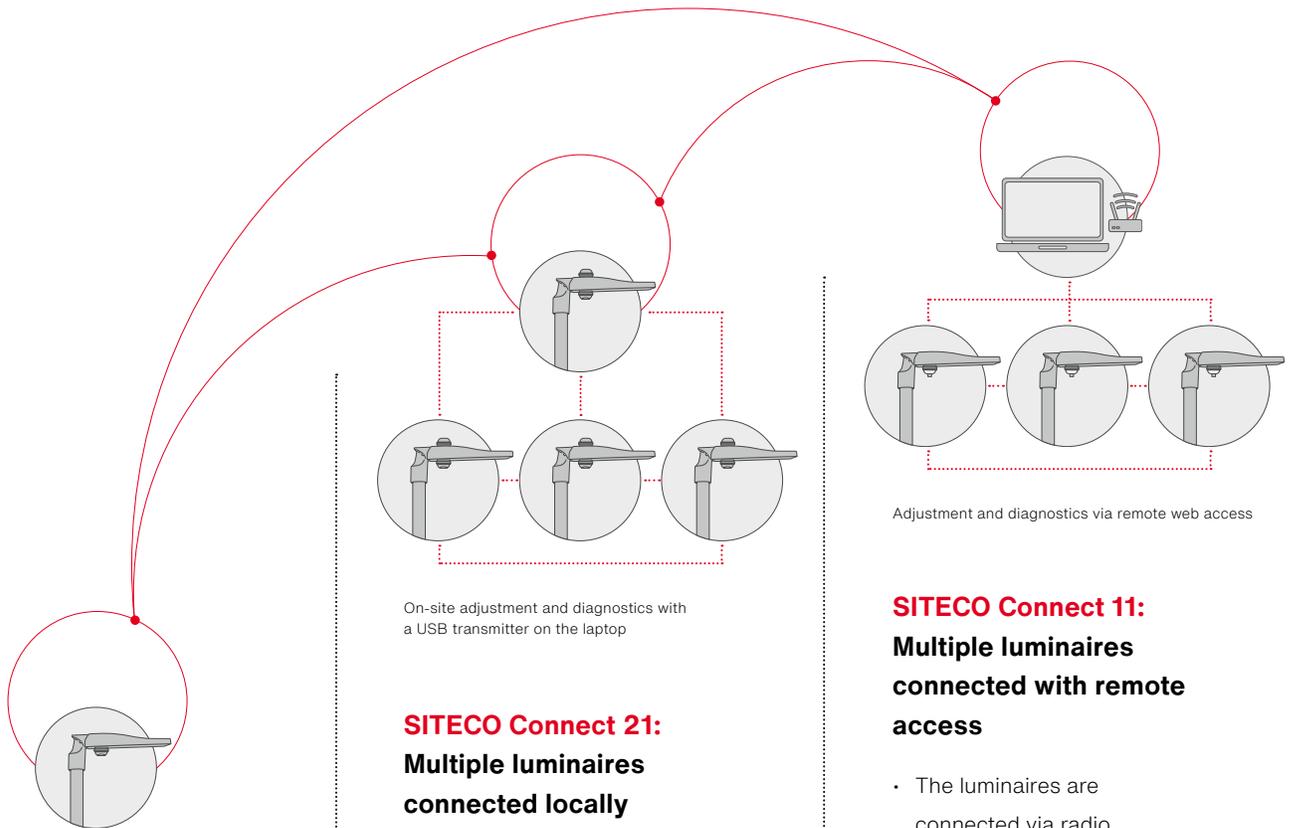




Step by step with **100 % flexibility.**

Streetlight SL 31 features Zhaga and NEMA (7 pin) interfaces. For simple plug & play connection of radio control systems and sensors. Whether and when you take this step? That's entirely up to you.

With the interfaces, you are compatible with a wide range of popular systems available on the market. Or you can stay in the SITECO universe when it comes to sensors and networking: SITECO Connect is our in-house compatible control system. From individual luminaires to fully connected systems.



SITECO Connect 31:
Single luminaire

- Switch / dim individual luminaires, e.g. with a local motion detector.

SITECO Connect 21:
Multiple luminaires connected locally

- Several luminaires are connected via radio.
- The luminaires in the network communicate with each other and synchronize.
- The luminaires switch or dim synchronously or in sequence.

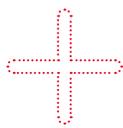
SITECO Connect 11:
Multiple luminaires connected with remote access

- The luminaires are connected via radio.
- Via the network with remote access, settings can be made from the office and status messages can be sent automatically.
- Existing inventory and workflow systems such as luxData by sixData can be used as masters.

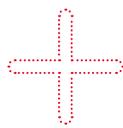
Advantages of modern lighting control



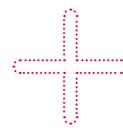
Increase safety for people in traffic and reduce vandalism



Sustainability by conserving ecological resources and wildlife



Increase energy efficiency through needs-based dimming



Optimized operational management through up-to-date diagnostic data and documented systems



Maximum sustainability. From start to finish.

SITECO offers:

**Emission-free
night sky**

SL 31 assumes responsibility.

Light only where it is really needed.
No scattered light. No light pollution.
And all this with a seal of approval.

SITECO offers:

**Production
and packaging**

**The SL 31 complies with
environmental protection guidelines.**

Development, design, production,
warehouse. We centralize everything at our
Traunreut site. That keeps distances short.
And delivery times too. And because we love
the environment, we work largely
plastic-free. Even in our packaging.

SITECO offers:

**Concept with
optimized
CO₂ footprint**

The SL 31 builds the bridge.

It can be dimmed and controlled
as required. For the safety of people.
For as little disruption to nature and
wildlife as possible.

SITECO offers:

**For people
AND nature**

SITECO offers:

The SL 31 is real sustainable light.

Few components, minimal material
consumption, recyclable materials and
components from Europe, modular product
and spare parts concept. No wonder the
SL 31 is EPD-certified according to
the strictest criteria. And that by an
independent authority.





Everyone talks about “Made in Germany”. **We take it a step further!**

Our philosophy.

From the initial idea to the finished luminaire – every step of the Streetlight SL 31 process takes place here in Traunreut. For decades, have been pooling all our lighting expertise here and evolving it further with the best minds.

Outstanding technical solutions

Short distances and delivery times

High flexibility and fast response to customer requests

Environmentally friendly products in accordance with German regulations, with all relevant certificates

Made in

Traunreut

More than just light. Maximum convenient operational management.

The future not only means intelligent luminaires and control systems, but also smart operational management. No more piles of paper and manual processes. How about managing everything centrally instead? Manage, control, maintain and service. Via one interface.

Let's get started today. Together we will define the management of the future for your community.

luxData.easy can ...

... be easily filled just like Excel.

... record all data from installation date to energy consumption.

... control all objects in the municipality.

... monitor the lighting and record fault messages.

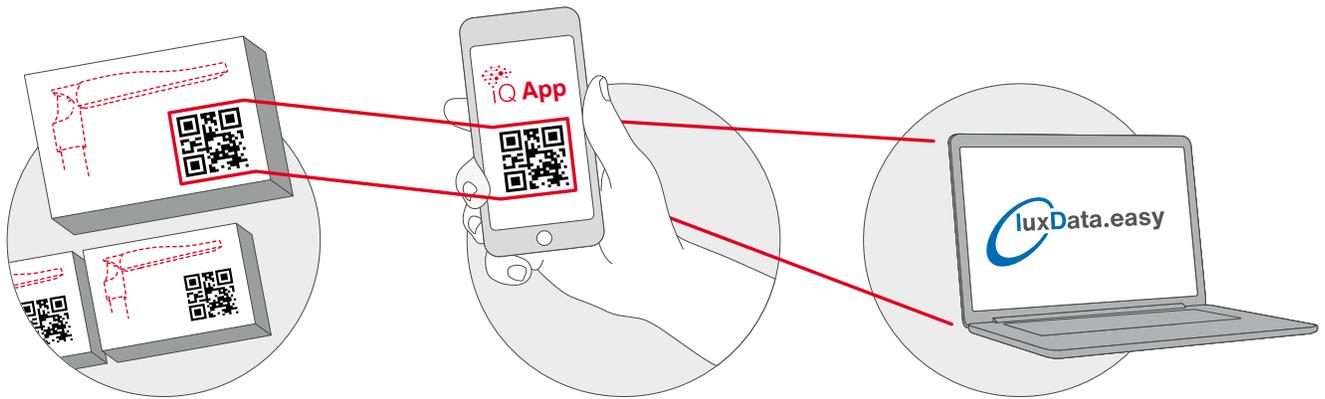
... measure energy consumption.

... provide individual dashboards for maximum transparency.



SITECO and luxData. Maximum compatibility.

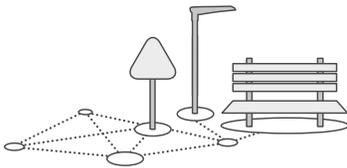
Simply scan and transmit SITECO luminaires.



The QR code for the inventorying of your luminaire is included in the luminaire packaging.

SITECO luminaires can be inventoried using a QR code and transmitted to luxData.easy. This automatically adds important information to the luminaire data, such as location, time and type of installation.

Point objects



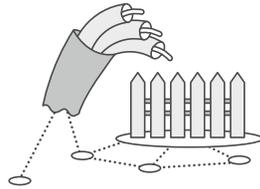
e.g. street lighting, light signal systems and object illumination

Surface objects



e.g. WLAN networks, parks and playgrounds

Line objects



e.g. cables and wires

Streetlight SL 31 variants



Streetlight SL 31 micro

Technical data

Luminous flux: from 980 to 5,110 lm

Power: up to 37,7 W

Luminous efficacy: up to 147,1 lm/W

Light point height: 3 to 6 m

Applications

Collector roads, cycle paths

Light distributions

1 2 3 4 5 6 7 8 9 10 11 12 (see illustration below)



Streetlight SL 31 mini

Technical data

Luminous flux: from 3,860 to 12,820 lm

Power: up to 82,5 W

Luminous efficacy: up to 159,5 lm/W

Light point height: 4 to 10 m

Applications

Collector roads, cycle paths, parking lots

Light distributions

1 2 3 4 5 6 7 8 9 10 11 12 (see illustration below)

Rated service life

up to 100.000 h

Protection class

IP66

Protection class: SK II (SK I for types with NEMA 7 pin)

Impact resistance: up to IK10

Optics concept

Precise lens technology with lenses made of non-yellowing PMMA

Mounting

Standard Spigot 76 / 60 mm included

Tilt options post-top: $-15^\circ \dots +20^\circ$ / side-entry: $-20^\circ \dots +20^\circ$

Optional: Flexible spigot 76 mm – 34 mm

Tilt options post top: $-15^\circ \dots +30^\circ$; side-entry: $-30^\circ \dots +25^\circ$

Connection cable H07RNF pre-assembled as standard

Light colors & color rendering

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

Color rendering: CRI > 70 / 80

Luminous intensity classes: G3 | G4 | G6

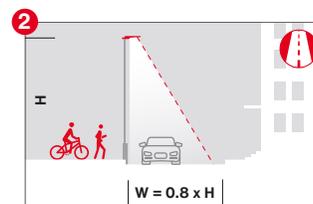
Control system

SITECO Easy | SITECO Easy LST | Smart-Interface (D4i) | Smart Interface (NEMA 7 pin)

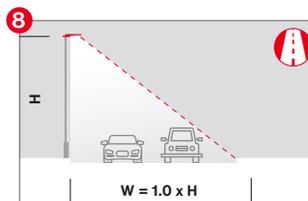
Light distributions for Streetlight SL 31 variants:



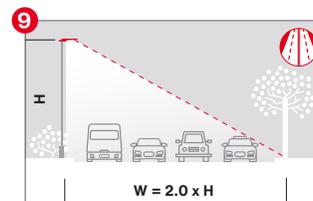
ST0.5a – For normal / narrow roads, lighting classes M + P; e.g. (cycle) paths, roads in residential areas



ST0.8a – For normal / wide roads, lighting classes M + P; e.g. for collector and residential roads



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



PL52 – For high light point heights; e.g. on industrial sites and parking lots



Streetlight SL 31 midi



Streetlight SL 31 maxi

Technical data

Luminous flux: from 8,900 to 25,540 lm
 Power: up to 163,8 W
 Luminous efficacy: up to 159,1 lm/W
 Light point height: 6 to 14 m

Applications

Collector roads, highways, parking lots

Light distributions

1 2 3 4 5 6 7 8 9 10 11 12 (see illustration below)

Technical data

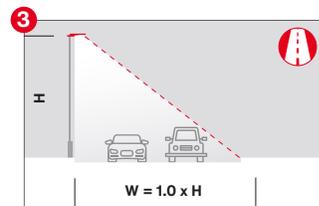
Luminous flux: from 18,680 lm to 35,200 lm
 Power: up to 228,8 W
 Luminous efficacy: 155,5 lm/W
 Light point height: 6 to 16 m

Applications

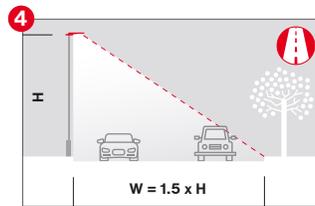
Collector roads, highways, parking lots

Light distributions

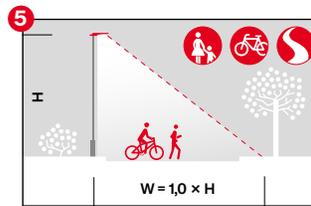
1 2 3 4 5 6 7 8 9 10 11 12 (see illustration below)



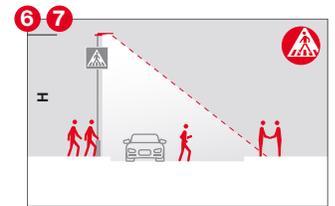
ST1.0a – For normal / wet roads, lighting class M



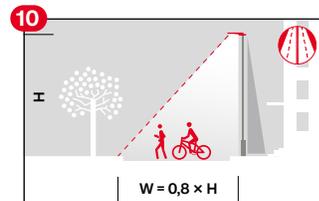
ST1.5a – For very wide roads; lighting class M; e.g. roads with adjacent areas, parking lots



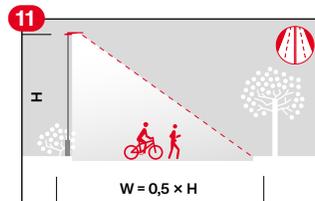
P1.0a - For narrow streets, footpaths, residential streets; lighting class P



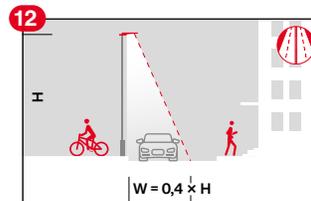
PC-L/R - For crosswalks



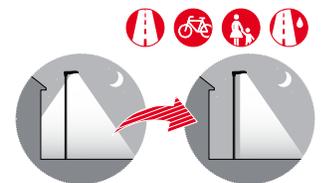
P0.8a – For narrow streets; e.g. residential streets and footpaths; lighting class P



P0.5a – For narrow streets, footpaths, residential streets; lighting class P; very good light intensity class G6



ST0.4a - For normal / narrow roads; lighting classes M + P; e.g. (cycle) paths, roads in residential areas

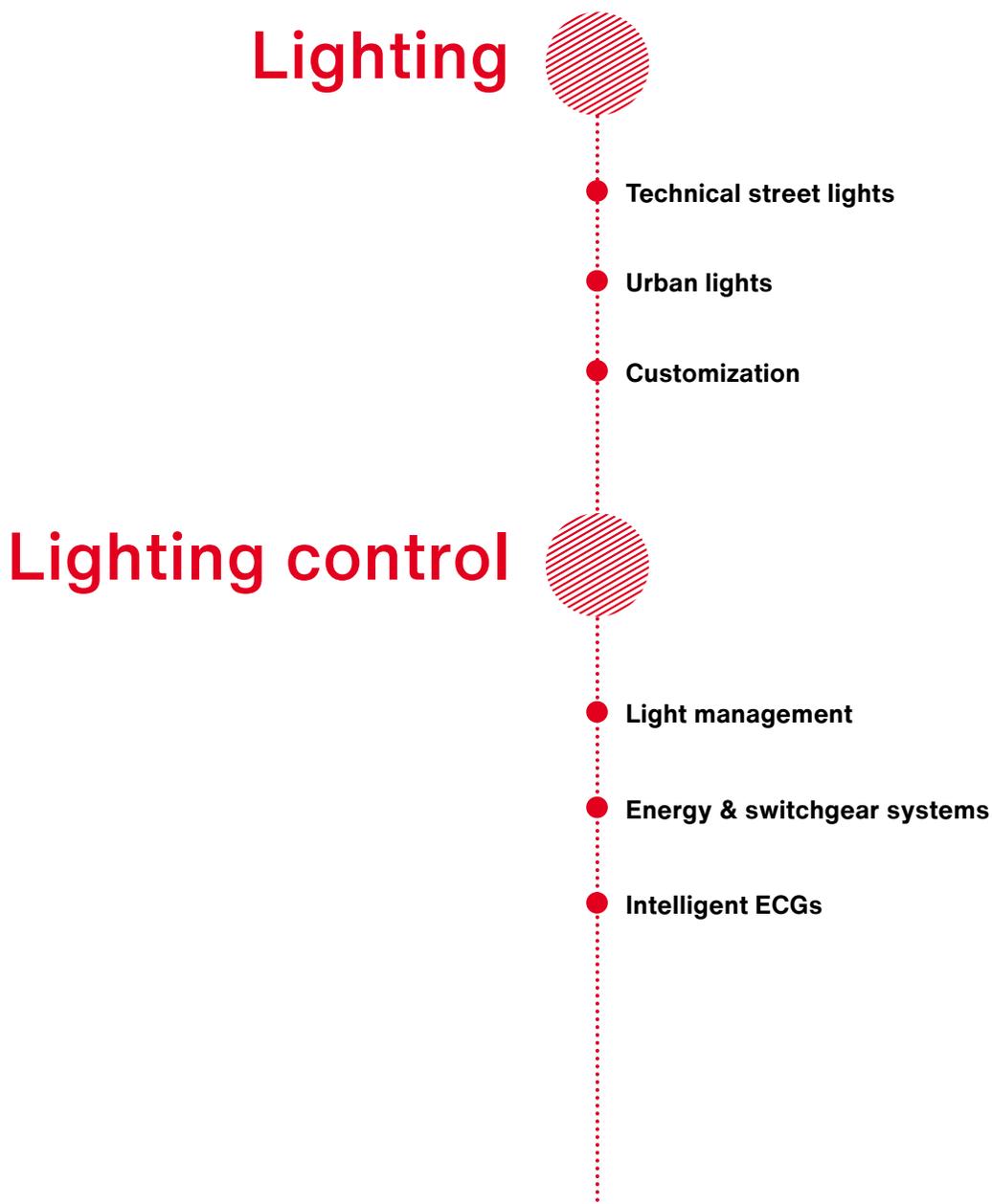


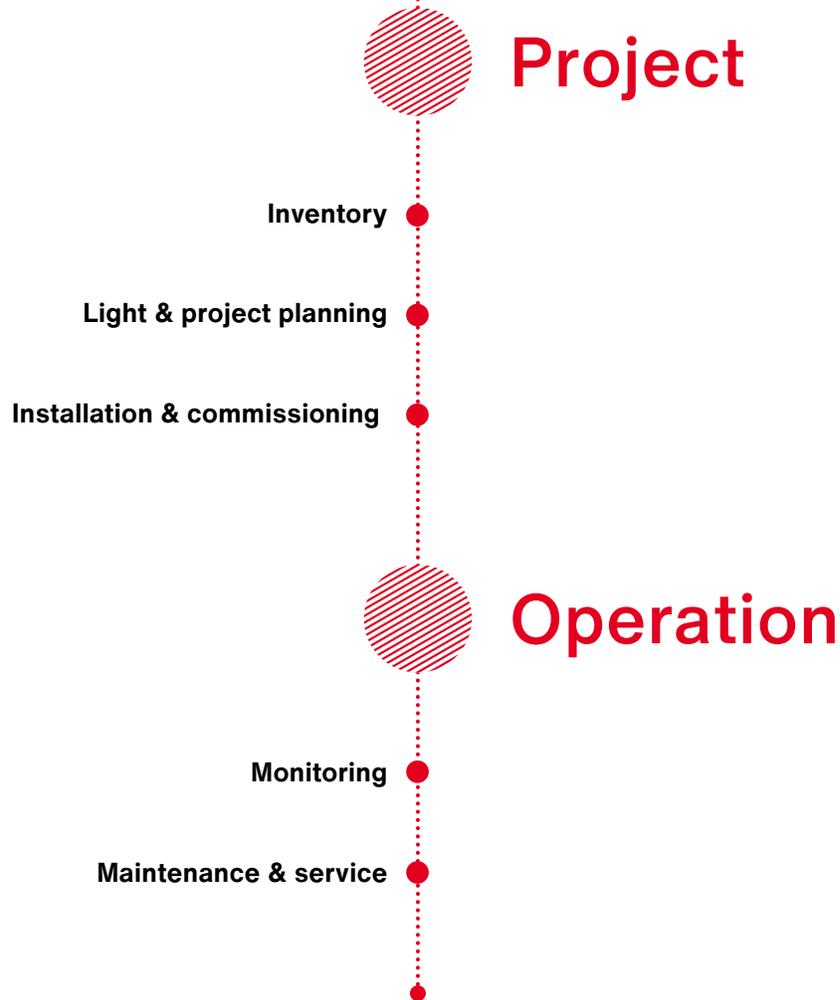
Optional backlight control cover (BLC) – For the best rear glare control on the market today. Available for light distributions 1/2/3/4/5/8/10/12

SITECO

Lighting solutions

It works perfectly. That's what matters to the customer. We take responsibility for comprehensive lighting solutions. Everything from a single source, to make your life as easy as possible.





All from a single source.

Excellent lighting technology is the perfect foundation. An intelligent lighting control system is another essential component. For the viability of your lighting system. We take care of planning, project management, installation and commissioning to ensure that the project runs smoothly. And we also ensure that everything runs smoothly during operation. Our lighting solutions are modular – you decide how we can support you.

SITECO is your partner in integrated lighting solutions.

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