

Streetlight
SL 31 –
Developed in
Germany



siteco

Streetlight **SL 31**

Pragmatic, efficient, intelligently
designed. The cost-efficient solution.

It's a joy to pay less for much better light.

Nowadays, public lighting costs account for the majority of cities' energy costs. Therefore, modernising public lighting with efficient solutions is of utmost importance.

A cost-effective solution for durable street lighting, that reduces energy costs and CO₂ emissions: the new SITECO Streetlight SL 31.

- **Long service life** of more than 100,000 h, also thanks to the sustainable product concept and durable components
- **Low operating costs** thanks to the highest energy efficiency with a light output of more than 150 lm/W
- **Smart City ready:** Future-proof thanks to two optional Zhaga or NEMA interfaces for state-of-the-art lighting control, wireless connectivity and versatile sensor technology
- **Family concept:** four sizes for high planning flexibility and demand-based configuration



Family concept with four sizes for high planning flexibility and demand-based configuration

Thermal decoupling of the ECG device space from the LED unit enables a long service life for all electronic components

Tool-free opening system with power supply interruption for quick and safe installation and maintenance

Standard light distributions through lens-based technology with 0% light immission at 0° inclination

Robust design thanks to solid die-cast aluminium housing; simple separability of all components support sustainability

Simple mounting thanks to a universal mast flange for spigot 60 / 76 mm with tilt adjustment (up to -20° ... +15°) and a separate accessory for 42 mm brackets

Simple, quick identification of the luminaire via QR code, automatic documentation of luminaire data, luminaire location (GPS data) and settings (Lumident)

Free choice among 2 variants for lighting management:

- PLUS (NFC, CLO, LST² or time-dependent dimming, DALI)
- Smart Interface (NFC, CLO, time-dependent dimming)
 - Zhaga socket
 - NEMA socket

1) CLO = constant luminous flux control

2) LST = power reduction with control wires

Streetlight
SL 31 offers smart
expansion, control
and monitoring

**with SITECO
Connect.**



ENEC+
pending



Streetlight SL 31 Variants



Streetlight SL 31 micro

Technical data
Luminous flux*: up to 5,250 lm
Power consumption: up to 35 W
Light output: over 150 lm / W
Service life: up to 100,000 h
Mounting heights: 3 up to 6 m
Applications
Cycle paths, residential streets
Light distributions
1 2 (see diagram below)



Streetlight SL 31 mini

Technical data
Luminous flux*: up to 9,000 lm
Power consumption: up to 60 W
Light output: up to 150 lm / W
Service life: up to 100,000 h
Mounting heights: 4 up to 8 m
Applications
Residential streets, plazas
Light distributions
1 2 (see diagram below)

Valid for all Streetlight SL 31 variants:

Optic concept
PMMA lens
Tilt options: from -20° up to +15°
Light colors
3,000 K / 4,000 K
Color rendering: CRI > 70
Type of protection
IP66
Safety class: SK II
Impact resistance: IK08
Mounting
Post-top / side entry
Mast flange: Ø 60 / 76 mm (post-top / side-entry)
Reducer: 76 – 60 mm, 76 – 42 mm



Streetlight SL 31 midi

Technical data
Luminous flux*: up to 18,000 lm
Power consumption: up to 120 W
Light output: up to 150 lm / W
Service life: up to 100,000 h
Mounting heights: 6 up to 10 m
Applications
residential streets, plazas
Light distributions
1 2 (see diagram below)

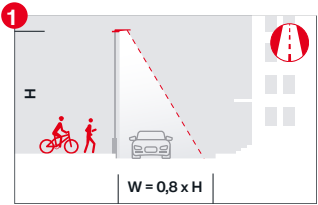


Streetlight SL 31 maxi

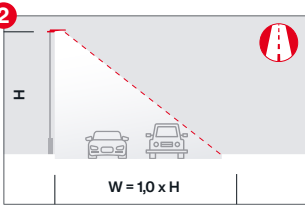
Technical data
Luminous flux*: up to 30,000 lm
Power consumption: up to 200 W
Light output: up to 150 lm / W
Service life: up to 100,000 h
Mounting heights: 8 up to 12 m
Applications
residential streets, expressways, plazas
Light distributions
1 2 (see diagram below)

*Luminous flux individually adjustable

Light distributions for Streetlight SL 31 variants:



ST0.8a – For normal width roads (luminous intensity class 4), e.g. for trunk roads and frontage roads



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

Benefits through modern lighting control



Safety for people, in traffic and against vandalism



Sustainability via the protection of ecological resources and the animal world



Energy efficiency improvements via dimming according to requirements



Optimized operational management via current diagnostic data and documented systems

Get going quickly with SITECO Connect.

From simple control to a connected system.

It is not without reason that people refer to “city lights” when describing the special attraction of urban spaces. SITECO solutions makes cities and communities even more livable. Thanks to efficient, connected and sustainable lighting solutions.

Thanks to a smart Interface, Streetlight SL 31 has standardized interfaces based on Zhaga / 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 introducing or retrofitting can be chosen as needed.

SITECO Connect 31

SITECO Connect 21

SITECO Connect 11

100%
Flexibility thanks to upgrades

SITECO Connect 31: Individual luminaires controlled locally

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



Example: The motion sensor switches just one luminaire.

SITECO Connect 21: Several luminaires connected locally

Several luminaires are connected via radio.

The network of luminaires communicates with each other and aligns the illumination.

The luminaires are synchronously or successively switched or dimmed.



Example: The motion sensor also switches neighboring luminaires via radio link.

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 remote access and status messages sent automatically.

Existing inventory and workflow systems such as luxData from sixData can be used as a master.



Example: The network of luminaires works synchronously and is remotely monitored.

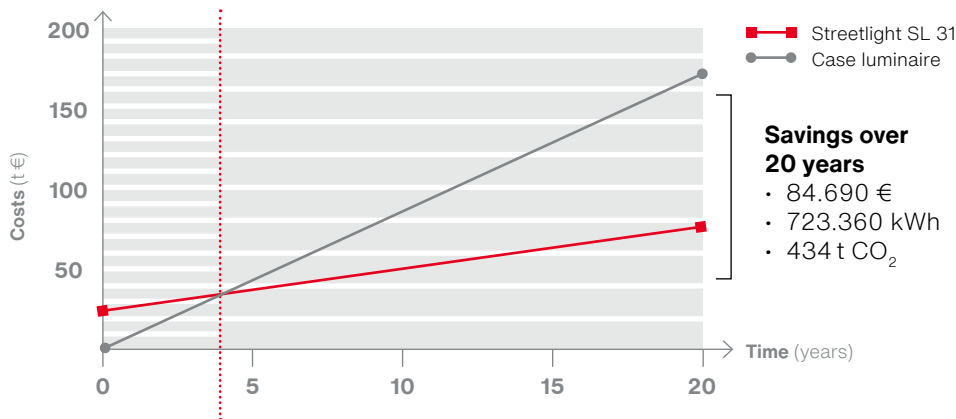
It has never been more attractive.

Our experience shows that in lighting modernizations, CO₂ savings in three-digit height [t] and cost savings of over 50 % in total cost of ownership (TCO) are the rule, not the exception. Modernization is made even more attractive by public funding programmes with repayment bonuses of typically 20 % and more. The best thing: we already know the formalities and provide support in filling out the forms.

To help you overcome the hurdle of initial investments, we will be happy to advise you on individual financing possibilities. We are also pleased to support you in the successful implementation of your energy saving initiative from project management to installation and commissioning.

SITECO offers turn-key lighting solutions.

Total cost of ownership (TCO) comparative calculation for payback period



Amortization period Streetlight SL 30: **3.9 years** (incl. 20 % repayment bonus)

Contact us today for your modernization initiative.

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