



## Light defines Siteco LED Town and Park Luminaires

Efficient lighting for roads, paths and plazas with high quality of light and superior visual comfort.

**Light is OSRAM**

**siteco**  
AN OSRAM BUSINESS

**OSRAM** 

# Designing exterior spaces with innovative LED luminaires

The LED Module 540 heralds the future of town and park lighting. The module is characterised by a high level of visual comfort and unique optical control, as well as innovative LED technology that also promises a high level of acceptance with residents.

The module can be fitted into all mushroom and lantern-design town and park luminaires from the OSRAM subsidiary Siteco, achieving a substantial contribution in terms of energy and costs as well as both decorative and sustainable outdoor lighting for cities, towns and local councils.

## **LED Module 540: one single module for all luminaires**

More clarity – all town and park luminaires feature clear covers for attractive appearances during the day and night as well as high lighting quality.



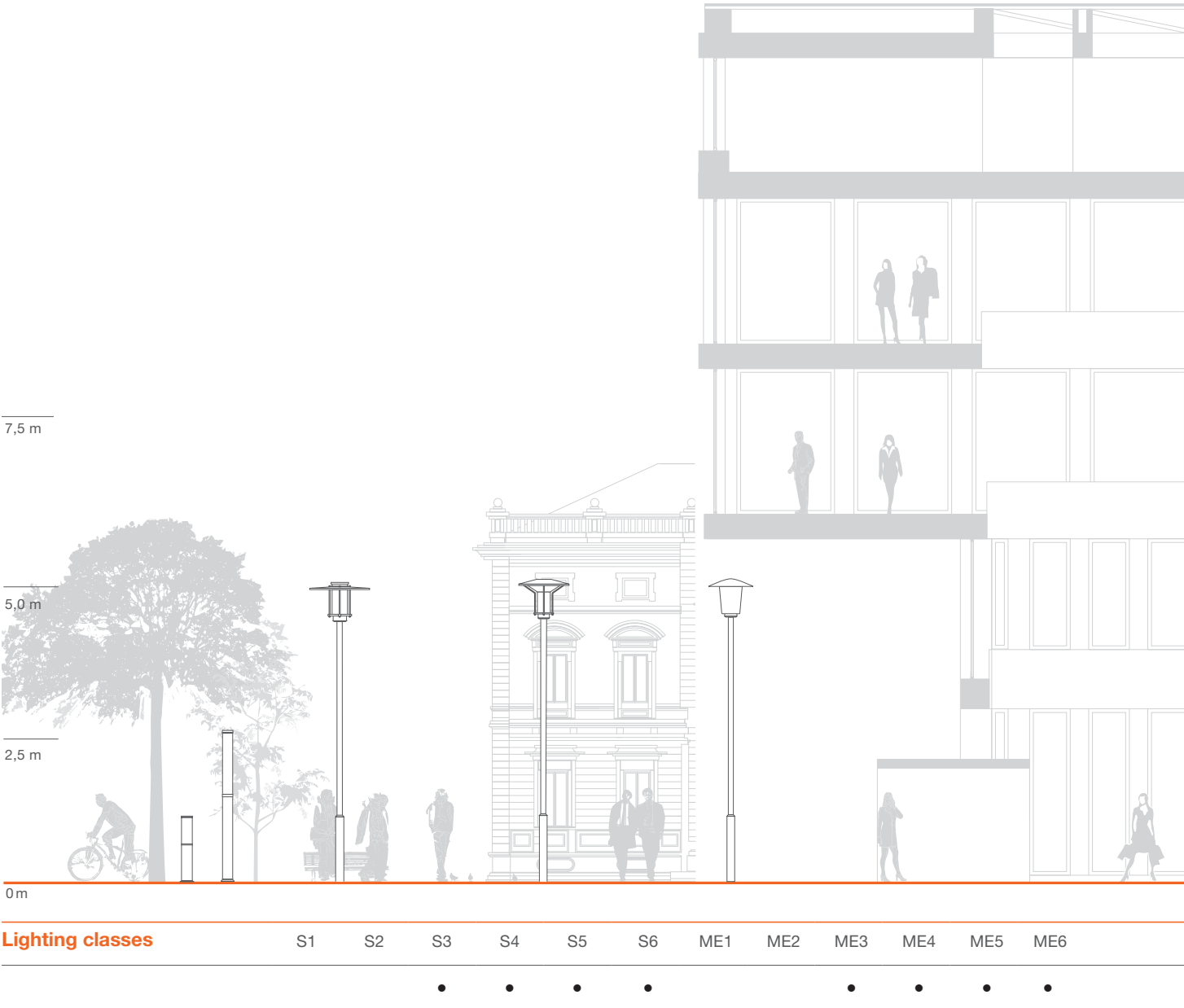


**One single module, many advantages**

- Low energy consumption due to high luminaire luminous efficacy (up to 100 lm/W) and demand oriented control options
- Long rated service life of up to 80,000 operating hours (L80/B10)
- High visual comfort, uniform illumination of the road and an exceptional good glare reduction
- Decorative day and night-time effect and improved visual guidance
- Easy mounting, low maintenance and future-safe modular construction

# The future of urban lighting is modular

Just one module for a wide diversity of applications – a requirement provided to perfection for town and park lighting with the Siteco LED Module 540: one module for eight different types of luminaire, three reflector geometries for all typical applications, two light colours for design-oriented or functional lighting and three luminaires control options (Basic/Plus/Premium) as well as further features.





**The modular design of Siteco town and park luminaires complies with further important requirements as well:**

- High-performance LED arrays significantly reduce energy consumption
- Highly precise HD reflectors guide the light efficiently onto the road section
- High inherent material quality and material processing enables a long life for all components
- The LED components and electronic control gear are replaced in a sustainable way, and the durable module body remains for decades on the mast
- Innovative control technology enables optimisation of energy consumption according to requirements

**LED Module 540: one module for all luminaires  
MUSHROOM LUMINAIRE**

- Lantern-shaped construction with housing canopy and a clear, canonical PMMA-cover
- Traditional design with minimal interference into urban scapes
- Available with three reflector geometries (see page 11) and two light colours



MUSHROOM LUMINAIRE LED

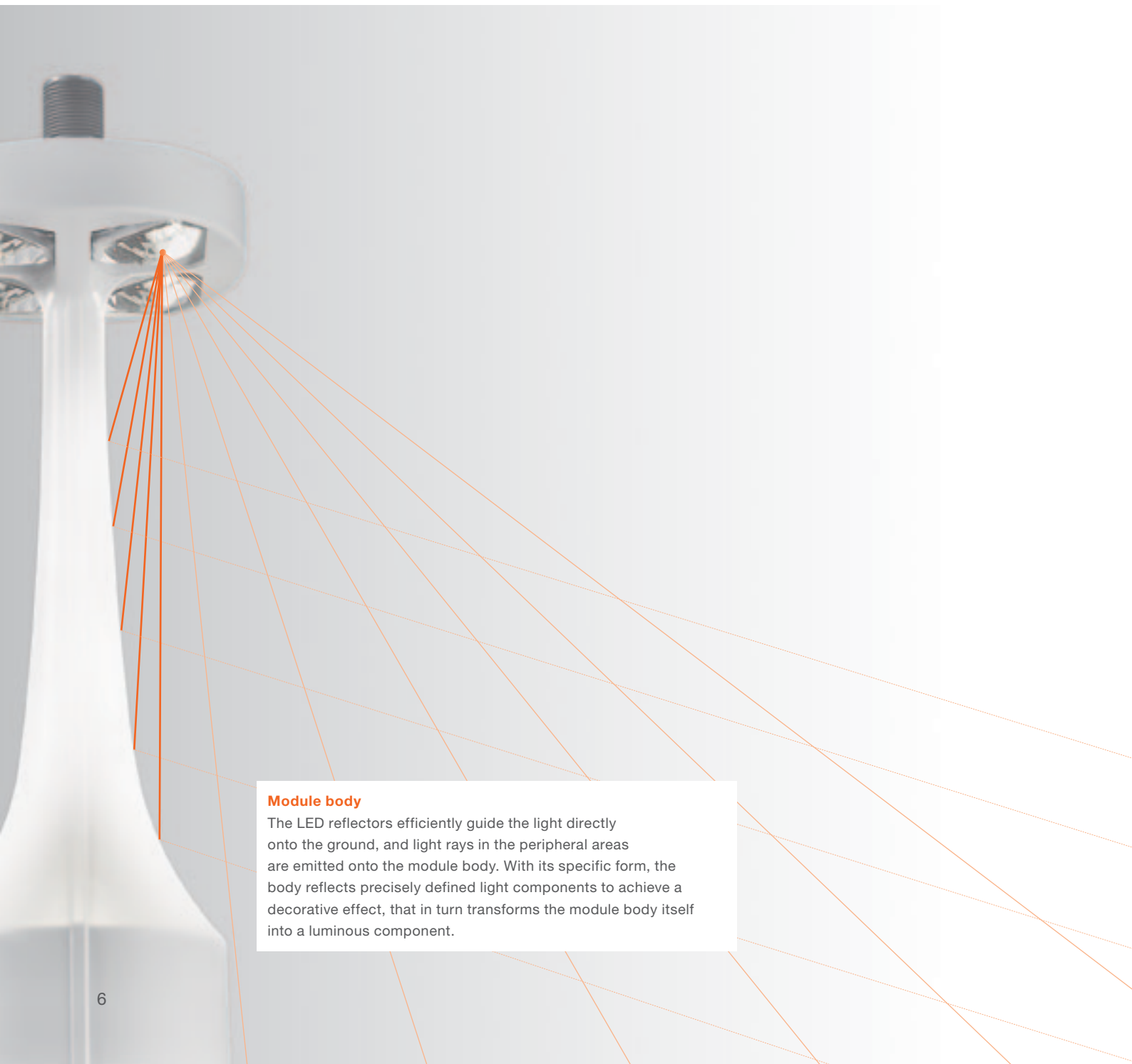
# An innovative module body for visual guidance

Luminous cones mark the way. Siteco town and park luminaires with their luminous white module bodies are seen from afar, providing outstanding visual guidance for traffic participants, and without glare for residents or pedestrians.

As such, the LED Module 540 sets new standards for road lighting.

The module provides guidance for streetscapes as previous mushroom luminaires did, but thanks to state-of-the-art lighting technology a better road illumination with outstanding quality of light can be achieved.

The body is constructed of durable diecast aluminium and features a high-reflection white coating for modern and aesthetically appealing day and night-time effects.



## **Module body**

The LED reflectors efficiently guide the light directly onto the ground, and light rays in the peripheral areas are emitted onto the module body. With its specific form, the body reflects precisely defined light components to achieve a decorative effect, that in turn transforms the module body itself into a luminous component.



**LED Module 540: one module for all luminaires**  
**CITY-LIGHT family**

- Cylindrical cover; slender canopy with low tilt (PLUS) or as dome (ELEGANCE)
- Elegant, transparent new interpretation of the classic lantern design, specifically for town centres and residential areas
- Three reflector geometries (see page 11), two light colours



CITY-LIGHT PLUS LED



CITY-LIGHT ELEGANCE LED



# A modular design for sustainable use

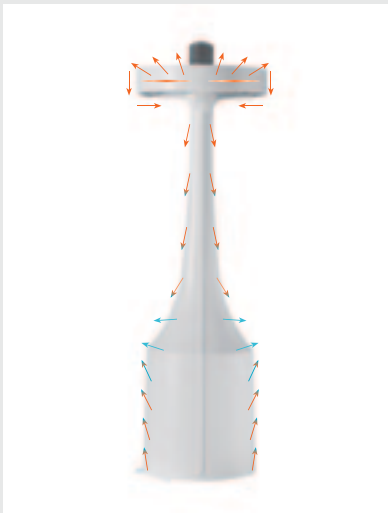
Only a completely modularly developed product can genuinely protect resources and be sustainable. This is the guiding philosophy for the future-proof design of the LED Module 540.

The ECG and LED unit are separately connected to the module body, enabling individual replacement with higher-performance components in the future. All components are completely pre-assembled with delivery of the luminaire, and the module body itself can be used over decades thanks to high quality materials and material processing. This means that the greatest part of luminaire materials remains permanently on the mast, in contrast to many other LED road luminaires.

## Only the original for complete performance

For maximum efficiency, all luminaire components must be optimally matched. This is a feature of the LED Module 540 – the LED unit, body, ECG and luminaire are precisely matched one to another.

**For the best results – only the original!**



## Intelligent thermal management

Consistent heat dissipation of the LED Module 540 enables full exploitation of its performance potential, because cool surroundings increase the energy efficiency and durability of the system.

LED-typical heat development is kept at bay due to the relatively low current feed of the system, and is effectively dissipated from the module head over the suitably constructed module body.

The same principle applies to the ECG integrated in the module base. The constructional principle prevents any build-up of heat possibly caused by tightly assembled components.





### LED unit

The photometric unit consists of high-performance LED components with highly precise HD reflectors assembled on a high quality diecast aluminium element as support platform. Light is guided specifically to the ground with avoidance of direct light spill to the sky. This achieves light immission of less than 3%.

The LED unit is pre-assembled in the module body upon a delivery. Only four screws must be released to replace the unit to integrate subsequent LED upgrades.

### Module body

The module body combines the robust gear tray, cover and canopy, aids orientation in road traffic and dissipates heat from the LEDs and electronic control gear. The body is attached to the gear tray with a bayonet catch.

A spiral cable with plug connector enables convenient and safe electrical connection.

### ECG/gear tray

The control unit is pre-connected to the gear tray for rapid, simple mounting, and the complete assembly is attached in the mast mounting element with three screws.

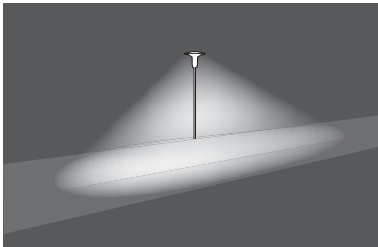
A special feature: a protective foil separates the connection terminal from the housing, providing an electrically safe construction.



# A high light quality contributes to safety consciousness

The sophisticated optics of Siteco LED town and park luminaires enable premium lighting systems, providing a reliable solution for the dilemma of many market-standard LED luminaires to avoid glare for pedestrians, vehicle drivers and residents in typical observer positions thanks to its specific construction.

Harmonious transitions in contrast facilitate viewing and the uniform distribution of light avoids dark zones, while supporting a subjective sense of safety and security. The key to this are the precisely calculated faceted reflectors in the Siteco LED Module 540. These split the rays from the high-powered LEDs into planar, pleasant light.



## Asymmetric wide distribution

Typical applications:

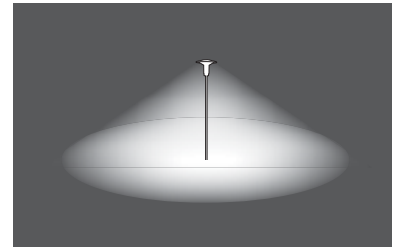
- Collection, service and residential roads, pedestrian zones
- Applications in e.g. residential districts
- Mast spacing up to approx. 35 m  
Mounting height 3 m...6 m



## Asymmetric extremely wide distribution

Typical applications:

- Service and residential roads, cycle paths and park paths, building entrances
- Also suitable for wide mast spacing and simultaneously low mounting heights
- Mast spacing up to 40 m  
Mounting height 3 m...6 m



## Symmetric distribution

Typical applications:

- Parking areas, plazas, large-area urban spaces
- For uniform and discreet illumination in public spaces and exposed zones in parking areas
- Mast spacing up to 30 m  
Mounting height 3 m...6 m

## LED Module 540: one module for all luminaires LANTERN family

- Cylindrical cover below: upgraded above
- CLASSIC and DELUXE with housing frame, LANTERN with self-supportive cover
- New interpretation of traditional post-top luminaires, e.g. for the upgrading of urban districts
- Three reflector geometries and two light colours



LANTERN LED



LANTERN CLASSIC LED



LANTERN DELUXE LED





## Flexible lighting solutions increase urban appeal

The level of urban appeal and quality of life is determined by individual well-being, and lighting plays a major part in this. The appearance of lighting influences the surroundings, with form and design playing a primary role during the day and the quality of light at night.

Both directly affect the feeling of safety, personal well-being and identification with the surroundings.

Siteco town and park luminaires allow these factors to be individually planned and designed, and warm white or neutral white light colours enable either more design-oriented or functional lighting.

The HD spreader can also be used for challenging photometric tasks, further optimising the uniformity of light emitted and additionally increasing visual comfort.



#### Atmosphere and well-being

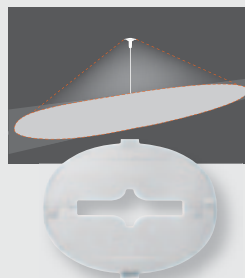
Image on left: A warm white light color provides a pleasant feeling of comfort and warmth. It supports a positive environment and well-being and thus grants a high quality of stay in public space. Warm white is therefore especially suitable for residential streets, pedestrian zones and urban plazas and paths.

#### Functionality and safety

Above: Neutral white light communicates a feeling of improved vision, provides more time for responding in road traffic and also increases the sense of safety and security for traffic participants. Neutral white is therefore ideal for roads with high traffic loads as well as parking lots.

#### High Definition Spreader

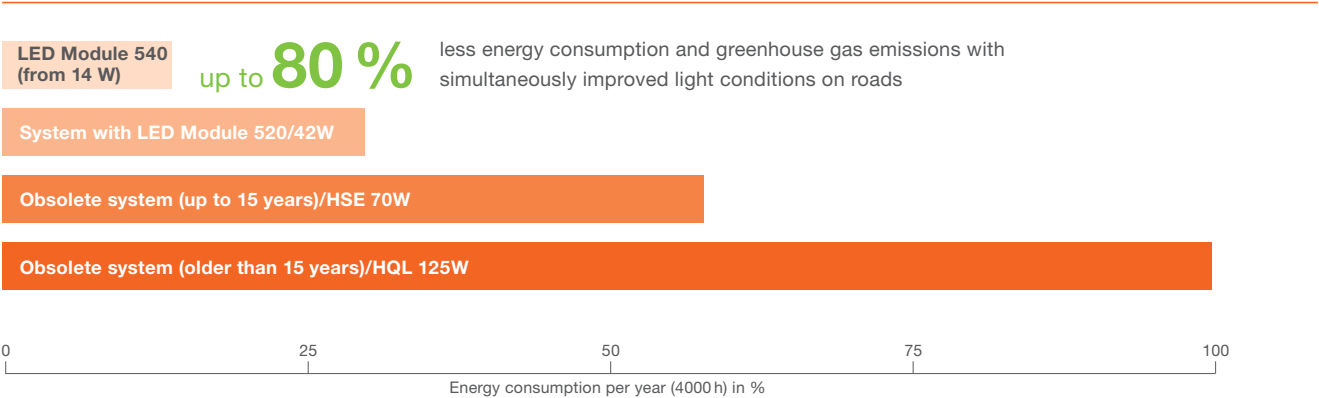
- Additional cover for greater uniformity with light distribution
- Improves visual comfort for pedestrians and vehicle drivers
- Protects from direct viewing of LEDs and improves the module appearance
- Fixed without tools



#### Decorative ring

- Silver-coloured cover for the base of the LED Module 540
- Colour-matched to the body of Siteco town and park luminaires
- Fitted without tools during luminaire mounting





# Intelligent control saves further energy

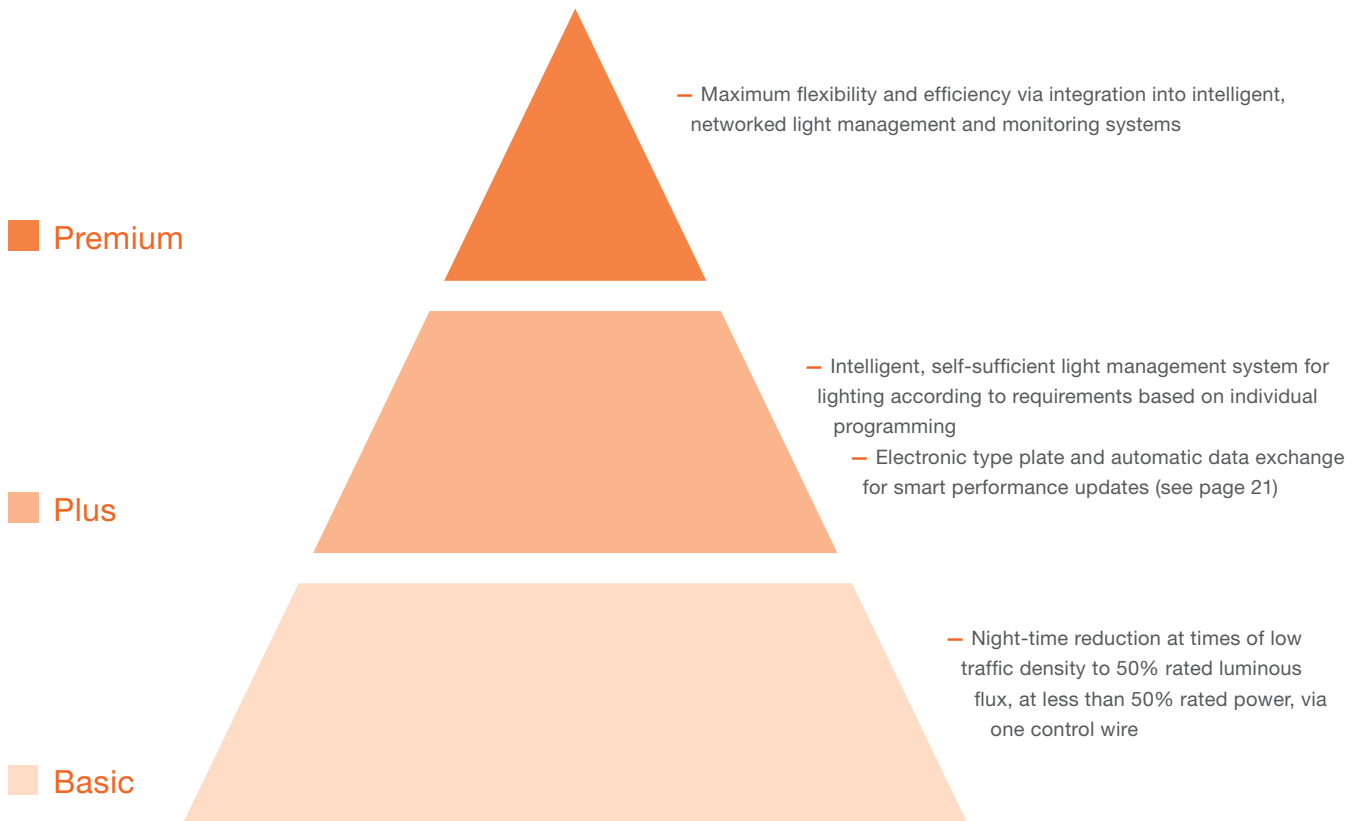
In addition to the use of efficient LED technology, further energy can be saved by using intelligent controls. Not every traffic situation, type of weather or time of the day needs the same quantity of light, and at the same time lighting must always comply with legislative standards, with the maxim being as little as possible and as much as is required.

Modern LED technology can be dimmed and switched steplessly and almost without power loss, and individual,

electronic control is possible. In this way luminaires can be specifically set for their application with high precision and according to needs, and with minimum energy for operation.

Up to 16% of energy can be additionally saved for example via constant luminous flux control available with the Plus control package, that renders the over-dimensioning of lighting installations unnecessary and compensates for the age-related reduction in luminous flux.

Three functional packages are available:



## Functional package details\*

	Standard		Efficiency			Communication			
	Over heat protection	Power reduction	Flexible luminous flux configuration	Time-dependent luminous flux control	Constant luminous flux control	Digital communication interface	Street Light Control	Automatic data exchange	Electronic type plate
<b>Premium</b>	•	•	•	•	•	•	•	•	•
<b>Plus</b>	•	•	•	•	•	•		•	•
<b>Basic</b>	•	•							

\*more on page 20 onwards





#### Insert the gear tray

The gear tray with ECG is positioned and wired. A special feature: a protective foil separates the connection terminal from the housing, making the construction electrically safe.



#### Connect the gear tray

The gear tray with ECG is simply fastened to the mast spigot with three screws. The fixing points are coded to prevent erroneous mounting.

## A technically convincing concept for practitioners

Simple installation, low-maintenance operation and low logistical effort – Siteco LED town and park luminaires have been designed completely to the needs of practitioners.

Mounting and electrical connection on the mast are achieved with a few steps and without special tools. The clear PMMA-cover and the canopy elements white underside, upper side coated in Siteco® metallic grey (DB 702S) are extremely resistant to adverse weather and also repel soiling.



#### Easy installation

See for yourself: The LED Module 540 is connected and put to use with just a few turns of the hand. Simply scan the QR code and download the video onto your mobile phone, or see [www.siteco.com/led-module-540-mounting](http://www.siteco.com/led-module-540-mounting)



#### Attach the module body

Attach the module body with pre-assembled LED unit via the bayonet catch. Electrical plug connection is via an inner spiral cable.



#### Fix the cover and canopy

The cover is positioned over the LED Module 540. The luminaire canopy is then fixed via a thread to the module head.

### Future-proof – the next level

The modular luminaire design has been planned for practical use. This includes the possibility of simple modular replacement of the LED unit and electrical components, to simplify material procurement and luminaire settings.

#### LED unit

The LED unit can be simply released from the module body with just four screws for upgrading to future, higher-performance LEDs or following expiry of the LED operating service life.

#### Electronic type plate

Modules with the Plus or the Premium package feature a special component that stores type information, power and operating data of the module (such as operating hours) and application-specific settings. This information can be read out on-site, enabling the simple identification of spare parts for example.

#### Automatic data exchange

Modules with the Plus or the Premium package also feature automatic data exchange for power adjustment between the LED module and ECG. This enables a seamless luminaire operation with previously used luminaire settings, for example pre-set dimming levels. If more efficient components of later generations are installed, the appearance of the lighting installation is not changed – individual luminaires operate with greater efficiency, a manual readjustment is no longer required.

# Good light is created with precise tools

Professional lighting is a highly complex interaction of various factors, concerning not a cure-all but always the best solution for individual needs. In order to plan quick, easy, reliable and yet individual and efficient solutions by yourself, we developed a series of useful tools.

All applications and calculators are available for free on our website.

Of course we can also help you personally with on-site analyses and advice, and can also provide support when designing individual technical solutions.

## Cost Efficiency Calculator

The Siteco Cost Efficiency Calculator is a web application for evaluating the cost efficiency of two outdoor lighting installations. The installations ('comparison installation' and 'new installation') can be compared to each other over a variable service life in terms of investment costs and operating costs. For evaluating cost efficiency the amortisation of an investment over the service life is calculated both statically and dynamically and displayed in figures and tables.

The cost efficiency calculator makes available the following information and services:

- Simple step-by-step user guidance
- A clear comparison of the old and new system
- Data for investment, operating and energy costs
- Reliable amortisation calculations
- Tabular and graphical display of results
- Documentation and download of results as PDF files
- Creation and saving of individual projects

The cost efficiency calculator:

<http://www.siteco.com/eco-calculator-outdoor>

Optimally planned, suitably implemented.

Here you can find important data for a perfect lighting design:

Street lighting tool	<p>Lighting calculation tool for the design of street lighting</p> <p>Requirements: Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>If you have any questions about contact: info@siteco.com</p> <p>Version: 07/2014 File size: 10 MB</p>
Street guide	<p>Lighting calculation tool for the design of street lighting</p> <p>Requirements: Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>Excel 2010 or later Excel 2010 or later Excel 2010 or later</p>
Street design	<p>Lighting calculation tool for the design of street lighting</p> <p>Requirements: Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>Excel 2010 or later Excel 2010 or later Excel 2010 or later</p>
Luminaires data / luminaires database	<p>Lighting calculation tool for the design of street lighting</p> <p>Requirements: Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>Excel 2010 or later Excel 2010 or later Excel 2010 or later</p> <p>Excel 2010 or later Excel 2010 or later Excel 2010 or later</p>
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### Siteco Lighting Tool

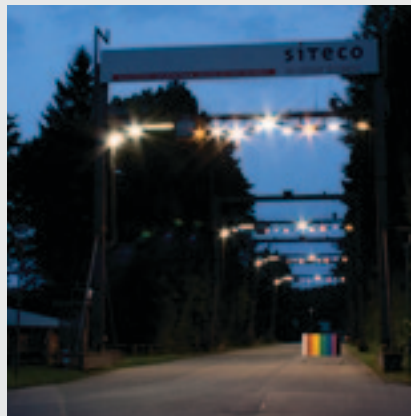
The tool enables you to select a product with just a few clicks and to transfer this to RELUX and DIALUX lighting planning programs. The Indoor and Outdoor product ranges are available. The products can be selected via the catalogue structure (product segment, group or family) or via features (mounting method, lamp type, lamp quantity, control unit etc.). The tool also offers the complete text search as a further search option. Data can be forwarded to DIALUX and RELUX via drag and drop. The tool is aimed at users having knowledge of lighting planning and specifically valid standards.

The tool is intended to provide support when searching for optimal luminaires from the Siteco product spectrum, and provides answers to the following questions for example: Which luminaire meets the specified lighting class with the widest mast spacing? Which luminaire meets the specified lighting class with the lowest energy consumption per metre? Which lighting class is met by the luminaire for a specific road arrangement? Results can be printed out or saved as PDF files.

The Siteco Lighting Tool:  
[www.siteco.com/lighting-calculation](http://www.siteco.com/lighting-calculation)

### Siteco luminaire test road

Scientific surveys are one thing, but personal experience counts for more. Interested parties can experience a comparison between modern LED luminaires and conventional luminaire systems on the luminaire test road at the Siteco company premises in Traunreut, Germany. A wide variety of application scenarios can be simulated. Various mounting heights, mast spacing distances and luminaire technologies can be specified to achieve realistic situations. In addition, the performance of the LED Module 540 can be experienced in the in-house luminaire park. Interested? Then simply contact your personal Siteco sales representative.



# Functional packages in an overview: Basic, Plus, Premium

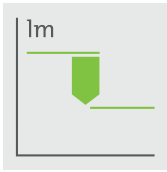
Intelligent control functions are a part of all Siteco LED outdoor luminaires. With such intelligence integrated into the LED operating electronics, the efficiency potential of LEDs can be exploited even more. The control functions make use of the outstanding feature of LED light sources to reduce luminous flux without loss in order to increase energy and cost savings.

The control functions of Siteco LED town and park luminaires are combined in three different functional packages: Basic, Plus and Premium.

The values for luminous flux are either factory-set (Basic package), can be individually set with the Siteco Service Box (Plus package) or centrally set via Street Light Control (Premium package).

The Plus and Premium versions offer the widest spectrum of efficient control of LED luminaires according to needs.

Basic package	Plus package	Premium package
<p>Power reduction, overheat protection</p> <p><b>Benefits:</b></p> <ul style="list-style-type: none"> <li>— Wired power reduction (twilight switching)</li> <li>— Two factory-set illuminance levels (complete darkness / twilight)</li> </ul>	<p>Power reduction, overheat protection, constant luminous flux control, flexible luminous flux parameterisation, time-dependent luminous flux control, digital communication interface, automatic data exchange, electronic type plate</p> <p><b>Benefits:</b></p> <ul style="list-style-type: none"> <li>— Precise parameterisation of the luminaire to ambient conditions, or operation via the Siteco® Service Box</li> <li>— Intelligent, self-sufficient light management system</li> </ul>	<p>Power reduction, overheat protection, constant luminous flux control, flexible luminous flux parameterisation, time-dependent luminous flux control, automatic data exchange, electronic type plate, Street Light Control</p> <p><b>Benefits:</b></p> <ul style="list-style-type: none"> <li>— Central control and automatic monitoring of each light point is possible</li> <li>— Reduction of maintenance paths and costs</li> <li>— Improved safety awareness via adaptation of lighting according to needs</li> </ul>



### Power reduction

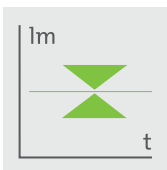
All Siteco LED luminaires are equipped with an intelligent connection for detection of power reduction via a switched control wire (230 V). Factory setting with power reduction via control wire:  $L_{st} = 230\text{ V}$ : 100% rated luminous flux (complete darkness) |  $L_{st} = 0\text{ V}$ : 50% rated luminous flux (twilight).

The switching logic can be reversed with the service box for luminaires in the Plus version. With no control wire the luminaire emits 100 % rated luminous flux (connection remains free).



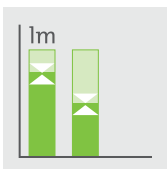
### Overheat protection

The temperature of the LED module and operating electronics is permanently monitored. With excessive temperature the lighting level and power rating is automatically reduced and the luminaire can cool down. When a lower temperature threshold is reached, the luminaire returns to the original lighting level and power rating. This function is purely a protective function to secure the long service life despite possible operating errors (e.g. unintended daytime switching with very high ambient temperatures or with direct sunlight). During operation within the predefined specifications, luminaire temperatures remain safe.



### Constant luminous flux control

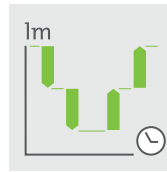
All light sources, including LEDs, are subject to luminous flux degradation over the service life. This must be taken into account in the planning phase and the system must be correspondingly over-planned. This leads to excessive illuminance and energy waste. The Siteco constant luminous flux control counteracts this degradation, and continuously adds to the output of the LEDs. Rated luminous flux thus remains constant over the service life. The light source degradation factor is 1, the maintenance factor is increased. In this way, over-planning is no longer necessary. This means energy-optimised and standard-compliant lighting at all times.



### Flexible luminous flux parameterisation

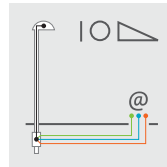
By the binding to fixed wattages with conventional lamps (e.g. 70 W, 100 W, 150 W) only in rare cases is the calculated result of a lighting installation achieved. The next higher wattage must be specified, the system is overlit, energy is wasted. With flexible luminous flux setting the light level can be adapted individually and precisely to the calculated result.

Both switch-on value (full night) and reduction values (twilight) can be adapted according to needs.



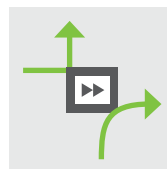
### Time-dependent luminous flux control

The luminaire calculates an artificial (virtual) midnight based on the nominal operating period of the previous five days. On the basis of this midnight value, time windows can be defined in which the luminaire is reduced in one or two steps to freely settable lighting levels. Because of the constant internal updating of the nocturnal operating hours the luminaire adapts automatically to the seasonally varied burning durations.



### Digital communication interface

This function represents the interface between the luminaire and the external world. It enables all required parameters such as lighting level, reduction control and automatic night-time reduction to be modified according to needs via the Siteco Service Box. Connection to higher-level control systems is also via this interface (on request).



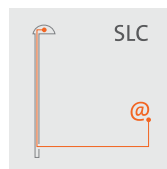
### Automatic data exchange

Enables replacement of the module without manual resetting of luminous flux parameters: if a module (PLUS ECG or LED module) is replaced at any time during the system life, luminaires automatically continue operation with identical lighting levels and operating settings (timer, light levels). Modules exchange performance and operating data independent of module types and module generation.



### Electronic type plate

Enables the simple, rapid identification of the ECG module and LED module and possible spare parts. It contains all module information and operating settings (serial number, module performance data, operating data/operating hours, and operating settings such as dimming levels and timer settings). The electronic type plate can be read out with the Service Box to be used as a basis for creating operating statistics.



### Street Light Control

Street Light Control enables the individual triggering of luminaires without supplementary cabling from a central control point, control according to requirements and monitoring. Data transmission is via the existing power network via a standard LON protocol. Consumption values are recorded and logged, and any luminaire faults are sent automatically via e-mail or SMS. Maintenance plans can be set as desired and maintenance excursions optimised.

# LED Town and Park Luminaires with the LED Module 540

## Features for all luminaires

- Net luminous flux: approx. 1400 to 2300 lm
- Power consumption: from 14 W
- System efficiency: up to 100 lm/W
- Rated service life: up to 80,000 hrs.(L80/B10)
- Voltage 220 – 240 V
- Connection: 5-pole terminal, max. 2.5mm²
- Module body of diecast aluminium
- Body serves as decorative element and for optical guidance
- Colour: white
- Protection rating: IP54, IK 04, IP65 (on request)
- Insulation class II
- Dimensions: 650 mm x 586 mm
- Weight: 6.8 kg



MUSHROOM LUMINAIRE LED



CITY-LIGHT PLUS LED

## Lighting classes

All lantern-design luminaires with LED Module 540 and CITY-LIGHT PILLAR 260 LED

S1

S2

S3

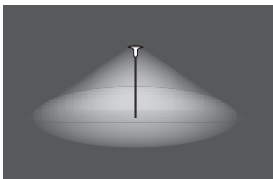
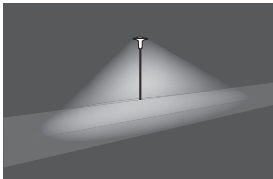
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## Light colours for all luminaires

- 3000 K, warm white light for a pleasant atmosphere
- 4000 K, neutral white light for a neutral atmosphere

## Photometrics for all luminaires

- HD reflector technology with light distribution over three zones achieves precise light control, optimal lighting results and maximum visual comfort
- Reflector of high-performance polymer, highly specular vapourised
- HD spreader available as an optional accessory, improves uniformity of light distribution



## Control packages for all luminaires





LANTERN LED



LANTERN CLASSIC LED



LANTERN ELEGANCE LED



CITY-LIGHT ELEGANCE LED



CITY-LIGHT BOLLARD 120/260 LED



LED Module 540

S4

S5

S6

ME1

ME2

ME3

ME4

ME5

ME6

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## 3000 K

## 4000 K

### Asymmetric wide distribution

Primary applications:

collection roads, residential roads, pedestrian zones

Mast spacing: to approx. 35 m

Mounting height 3 m...6 m

### Asymmetric extremely wide distribution

Primary applications:

service and residential roads, cycle paths and paths in parks, building entrances

Mast spacing to 40 m

Mounting height 3 m...6 m

### Symmetric wide distribution

Primary applications:

parking areas, plazas, large-area urban spaces

Mast spacing to 30 m

Mounting height 3 m...6 m

## Premium

Maximum flexibility and efficiency via intelligent, networked Street Light Control light management

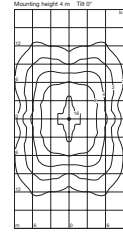
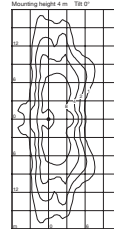
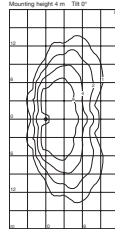
## Plus

Also includes luminous flux tracking, 2-level power reduction and electronic type plate

## Basic

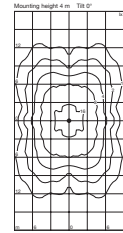
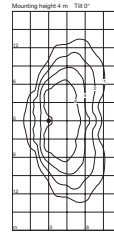
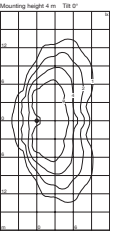
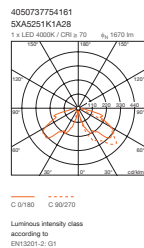
With night-time reduction to 50 %

## MUSHROOM LUMINAIRE LED



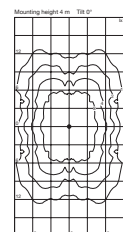
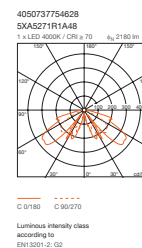
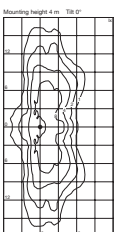
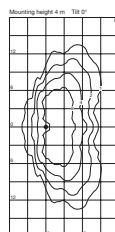
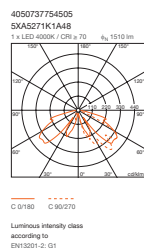
	Asymmetric wide distribution		Asymmetric extremely wide distribution		Symmetric distribution	
3000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754024	5XA5231E1A28	4050737736396	5XA5231F1A28	4050737754086	5XA5231J1A28
Plus control package	4050737754062	5XA5231E1B28	4050737754017	5XA5231F1B28	4050737736389	5XA5231J1B28
4000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754079	5XA5231K1A28	4050737754031	5XA5231L1A28	4050737754000	5XA5231R1A28
Plus control package	4050737754055	5XA5231K1B28	4050737754048	5XA5231L1B28	4050737736372	5XA5231R1B28

## LANTERN LED



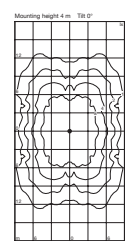
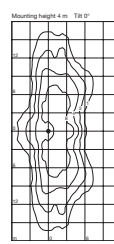
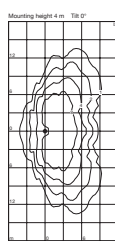
	Asymmetric wide distribution		Asymmetric extremely wide distribution		Symmetric distribution	
3000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754093	5XA5251E1A28	4050737754116	5XA5251F1A28	4050737754154	5XA5251J1A28
Plus control package	4050737754109	5XA5251E1B28	4050737754123	5XA5251F1B28	4050737754130	5XA5251J1B28
4000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754161	5XA5251K1A28	4050737754307	5XA5251L1A28	4050737754246	5XA5251R1A28
Plus control package	4050737754147	5XA5251K1B28	4050737754284	5XA5251L1B28	4050737754222	5XA5251R1B28

## LANTERN CLASSIC LED



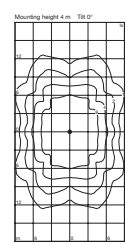
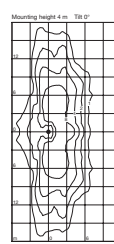
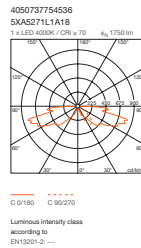
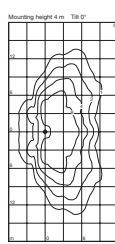
	Asymmetric wide distribution		Asymmetric extremely wide distribution		Symmetric distribution	
3000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754239	5XA5271E1A48	4050737754321	5XA5271F1A48	4050737754406	5XA5271J1A48
Plus control package	4050737754260	5XA5271E1B48	4050737754369	5XA5271F1B48	4050737754451	5XA5271J1B48
4000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754505	5XA5271K1A48	4050737754567	5XA5271L1A48	4050737754628	5XA5271R1A48
Plus control package	4050737754529	5XA5271K1B48	4050737754611	5XA5271L1B48	4050737754680	5XA5271R1B48

## LANTERN DELUXE LED



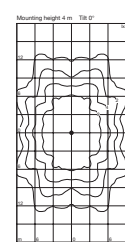
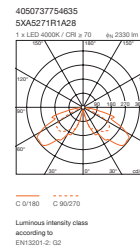
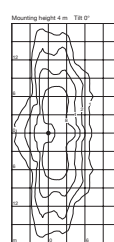
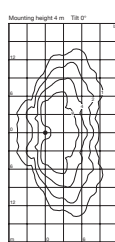
	Asymmetric wide distribution		Asymmetric extremely wide distribution		Symmetric distribution	
3000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754185	5XA5271E1A38	4050737754314	5XA5271F1A38	4050737754390	5XA5271J1A38
Plus control package	4050737754208	5XA5271E1B38	4050737754352	5XA5271F1B38	4050737754437	5XA5271J1B38
4000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754475	5XA5271K1A38	4050737754550	5XA5271L1A38	4050737754642	5XA5271R1A38
Plus control package	4050737754512	5XA5271K1B38	4050737754598	5XA5271L1B38	4050737754673	5XA5271R1B38

## CITY-LIGHT PLUS LED



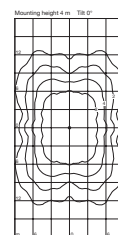
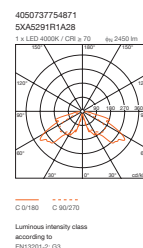
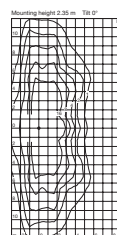
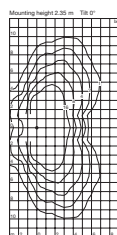
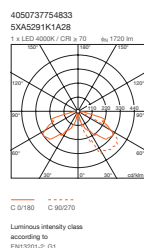
	Asymmetric wide distribution		Asymmetric extremely wide distribution		Symmetric distribution	
3000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754178	5XA5271E1A18	4050737754215	5XA5271F1A18	4050737754376	5XA5271J1A18
Plus control package	4050737754192	5XA5271E1B18	4050737754338	5XA5271F1B18	4050737754420	5XA5271J1B18
4000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754444	5XA5271K1A18	4050737754536	5XA5271L1A18	4050737754604	5XA5271R1A18
Plus control package	4050737754482	5XA5271K1B18	4050737754574	5XA5271L1B18	4050737754666	5XA5271R1B18

## CITY-LIGHT ELEGANCE LED



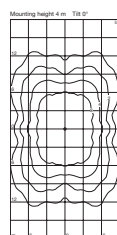
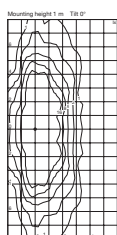
	Asymmetric wide distribution		Asymmetric extremely wide distribution		Symmetric distribution	
3000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754277	5XA5271E1A28	4050737754253	5XA5271F1A28	4050737754383	5XA5271J1A28
Plus control package	4050737754291	5XA5271E1B28	4050737754345	5XA5271F1B28	4050737754413	5XA5271J1B28
4000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754488	5XA5271K1A28	4050737754543	5XA5271L1A28	4050737754635	5XA5271R1A28
Plus control package	4050737754499	5XA5271K1B28	4050737754581	5XA5271L1B28	4050737754659	5XA5271R1B28

## CITY-LIGHT PILLAR 260 LED



	Asymmetric wide distribution		Asymmetric extremely wide distribution		Symmetric distribution	
3000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754772	5XA5291E1A28	4050737754796	5XA5291F1A28	4050737754819	5XA5291J1A28
Plus control package	4050737754789	5XA5291E1B28	4050737754802	5XA5291F1B28	4050737754826	5XA5291J1B28
4000 Kelvin						
Basic control package	4050737754833	5XA5291K1A28	4050737754857	5XA5291L1A28	4050737754871	5XA5291R1A28
Plus control package	4050737754840	5XA5291K1B28	4050737754864	5XA5291L1B28	4050737754888	5XA5291R1B28

## CITY-LIGHT BOLLARD 120 LED



	Asymmetric extremely wide distribution		Symmetric distribution	
3000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737754697	5XA5281F1A28	4050737754710	5XA5281J1A28
Plus control package	4050737754703	5XA5281F1B28	4050737754727	5XA5281J1B28
4000 Kelvin				
Basic control package	4050737754734	5XA5281L1A28	4050737754758	5XA5281R1A28
Plus control package	4050737754741	5XA5281L1B28	4050737754765	5XA5281R1B28

## LED Module 540



	Asymmetric wide distribution		Asymmetric extremely wide distribution		Symmetric distribution	
3000 Kelvin	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)	Order number (EAN)	Order number (Siteco)
Basic control package	4050737730547	2XA5401E1A08	4050737730608	2XA5401F1A08	4050737730677	2XA5401J1A08
Plus control package	4050737730561	2XA5401E1B08	4050737730622	2XA5401F1B08	4050737730684	2XA5401J1B08
Premium control package	4050737730585	2XA5401E1C08	4050737730646	2XA5401F1C08	4050737730707	2XA5401J1C08
4000 Kelvin						
Basic control package	4050737730721	2XA5401K1A08	4050737730790	2XA5401L1A08	4050737730844	2XA5401R1A08
Plus control package	4050737730745	2XA5401K1B08	4050737730806	2XA5401L1B08	4050737730868	2XA5401R1B08
Premium control package	4050737730769	2XA5401K1C08	4050737730820	2XA5401L1C08	4050737730882	2XA5401R1C08

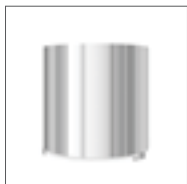


## Optical accessories

### HD spreader

For all luminaires | can be retrofitted without tools

Type	Order number (EAN)	Order number (Siteco)
HD spreader	4050737730073	5XA54000XG



### Decorative ring

For all luminaires | can be retrofitted without tools

Type	Order number (EAN)	Order number (Siteco)
Decorative ring	4050737754895	5XA54001XG

## Further accessories

for all luminaires

Type	Order number (EAN)	Order number (Siteco)
Cover, PMMA, clear, ø= 200mm, for CITY-LIGHT ELEGANCE LED, CITY-LIGHT PLUS LED	4039806059666	5NA54900XG
Cover, PMMA, clear, ø= 185mm, for LANTERN LED	4039806180513	5NC54700XG
Cover, PMMA, clear, ø= 185mm, for MUSHROOM LUM. LED	4039806179296	5LA53220XG
Post top mounting element, aluminium, diecast, spigot size: 76mm	4039806227584	5LA52201XH08
Reducer , aluminium, diecast, uncoated spigot size: 76/60mm	4039806232175	5LA52201XR
BOLLARD cable set, L= 1m, for Plus version	4050737028866	5EA6Y00L05
PILLAR cable set, L= 2m, for Plus version	4050737028897	5EA6Y00L06
Mast cable set, L= 4m, for Plus version	4050737028804	5EA6Y00L02
Mast cable set, L= 5m, for Plus version	4050737028828	5EA6Y00L03
Siteco® Service Box, for Plus version	4039806998927	5EA6TEF01



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