



# Our lighting solutions for the public space

Environmental protection, efficiency, safety, sustainability:  
How SITECO makes cities and communities better places for living.

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

**siteco**



We make cities and communities fit for the future and a bit more worth living. Discover our solutions for municipal outdoor lighting.



## Simply good light

With longstanding tradition and a clear eye to the future, SITECO develops technically outstanding lighting solutions tailored to the needs of people, their lives and their work.

SITECO looks back on more than 150 years of history as part of the German lighting industry, and is today one of the leading providers of city, road and stadium lighting among other applications. The name stands for innovative lighting technology and combined light expertise – from large-scale projects to customer project solutions.

This is made possible thanks to an extensive portfolio of LED luminaires including sensor technology, control components and intelligent light management, as well as in interaction with data management systems and IoT applications.

<b>Street lighting</b>	<b>06</b>	<b>Town and park lighting</b>	<b>30</b>		
Streetlight 11	08	Litepole	32	Town and park luminaires	48
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<b>Facade and area lighting</b>	<b>60</b>	<b>Lighting control</b>	<b>76</b>
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# Safely underway: LED lighting for roads

Technical light is usually not very conspicuous – but it’s an absolute highlight in terms of quality of light, energy savings and individual control.

The right light at the right time in the right place. Nothing less than this must be fulfilled by road lighting, in multi-lane main traffic roads as well as in small residential neighborhoods. Only in this way will road safety be improved, the entire energy-saving potential be exploited and a measurable contribution to environmental protection be made. This also applies to the refurbishment of obsolete road sections.

SITECO utilizes the possibilities of the latest LED technology to bridge the gap between the standards of today and the visions of tomorrow’s Smart City.



# Streetlight 11

## The future – now

Not a wish, but reality: Streetlight 11 combines everything that defines modern street lighting – both today and tomorrow.

Due to its pioneering technology, three sizes and a modular design approach, Streetlight 11 is the powerful and flexible solution for outdoor illumination – with a modern design, high-quality materials and perfect workmanship. And that's not all: Thanks to its environmentally-friendly disposal concept Streetlight 11 features an impressive ecological footprint across its entire product life cycle.



Economy begins with cost-efficient LED technology, high-precision reflector technology and durable components. In addition, Streetlight 11 can be upgraded and expanded with sensors and controllers, the starting signal for a Smart City. Together with innovative CLO 2.0 constant luminous flux, the luminaire achieves maximum durability and performance. The sustainable lighting of roads, streets, car parks and outdoor areas thus becomes child's play.



Streetlight 11 Salzburg, Austria

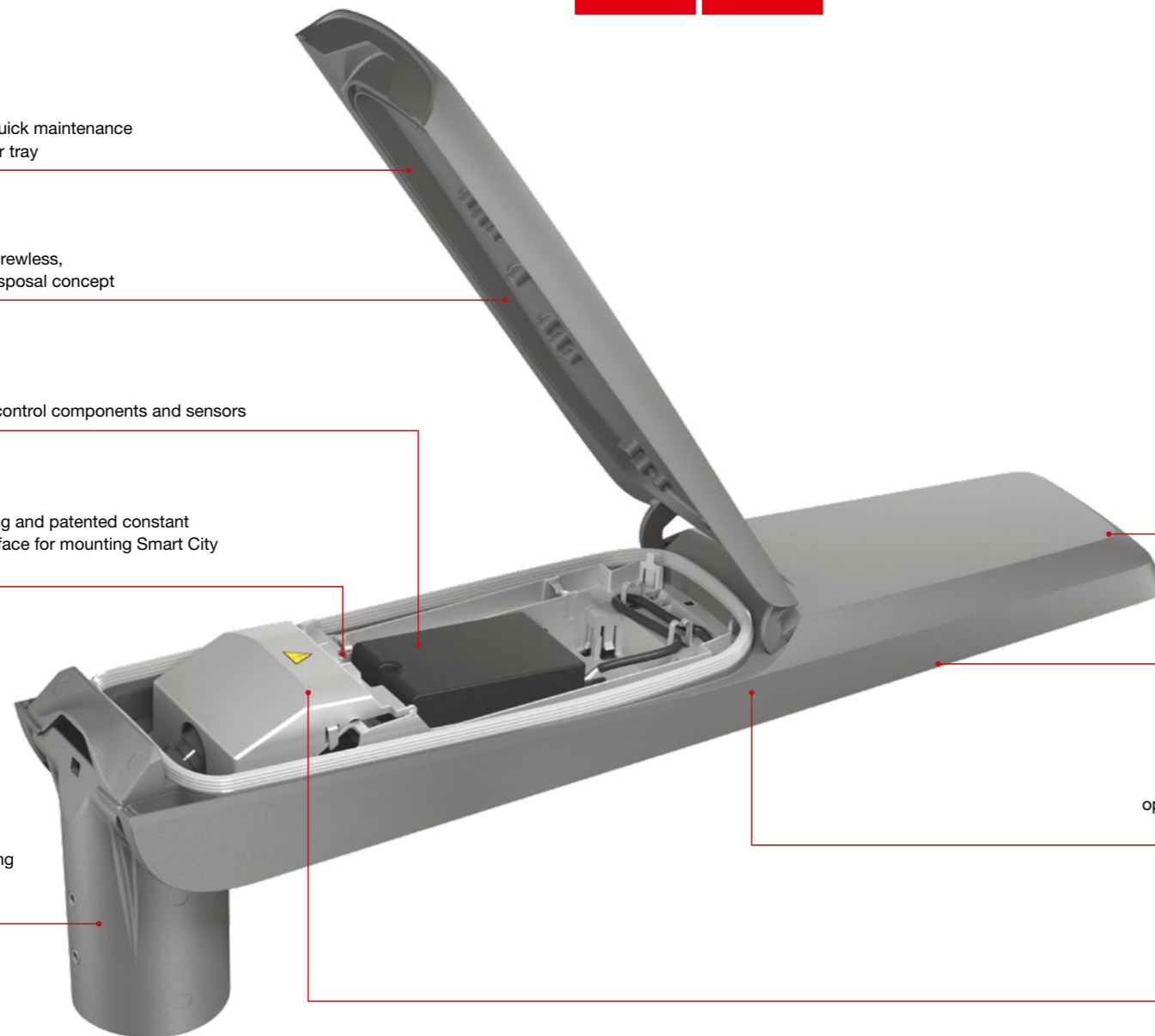
**Practical handling** with tool-free opening for quick maintenance and also tool-free replacement of the ECG gear tray

**Environmentally friendly luminaire concept** screwless, adhesive-free manufacture for a sustainable disposal concept

**Future security** due to simple retrofitting with control components and sensors

**Various control options** with intelligent dimming and patented constant luminous flux tracking (CLO 2.0); optional interface for mounting Smart City applications, e.g. Smart Parking

**Flexible mounting** mast flanges for 42, 60 and 76 mm for post-top and side-entry mounting (-15° ... +15°) with tool-free adjustment and fixing to the housing; light distributions can thus be adapted to various road widths



**Design with functionality**  
outstanding thermal management without cooling ribs;  
with drip edge to prevent soiling of the luminaire glass

**High performance optic** highly efficient LED module with faceted reflectors for precise light distribution without light spill







**Long-life operation** due to die-cast aluminum housing (IP66) with high impact resistance (IK09), powder-coated DB 702S, optionally with double paint coating for increased corrosion protection; air-permeable membrane for pressure compensation

**Safety** due to integrated ESD protection for wooden, concrete and plastic masts; plug connection between ECG- and LED module for replacement of components without ESD risk




# Streetlight 11 at a glance

## Product matrix Streetlight 11 range

						
<p><b>Streetlight 11 micro</b></p> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>Collection roads</li> <li>Cycle paths</li> <li>Plazas</li> </ul>		<p><b>Lumen packages</b> 1200 to 3200 lm</p> <p><b>Mounting heights</b> 3 to 6 m</p> <p><b>Service life</b> up to 100,000 h</p>	<p><b>Light distributions</b> (see below)</p> <p>1 2 3</p>	<p><b>Optic concept</b> HD faceted reflector with PMMA cover</p> <p><b>Inclination options</b> ± (0° / 5° / 10° / 15°)</p> <p><b>Mounting</b> Post-top / side entry Ø 60 / 76 mm (post-top) Ø 42 / 60 mm (side-entry)</p>	<p><b>Protection rating</b> IP66</p> <p><b>Insulation class</b> II</p> <p><b>Impact resistance</b> IK09 (housing) IK10 (PMMA cover)</p>	<p><b>Light colors</b> 3000 / 4000 K</p> <p><b>Color rendering</b> CRI &gt; 70 / 80</p> <p><b>Luminaire luminous efficacy</b> up to 128 lm/W</p> <p><b>Luminous intensity classes</b> G3 / G4 / G6</p>
<p><b>Streetlight 11 mini</b></p> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>Collection roads</li> <li>Cycle paths</li> <li>Plazas</li> </ul>		<p><b>Lumen packages</b> 2230 to 8280 lm</p> <p><b>Mounting heights</b> 4 to 8 m</p> <p><b>Service life</b> up to 100,000 h</p>	<p><b>Light distributions</b> (see below)</p> <p>1 2 3 4 5 6</p>	<p><b>Optic concept</b> HD faceted reflector with PMMA cover</p> <p><b>Inclination options</b> ± (0° / 5° / 10° / 15°)</p> <p><b>Mounting</b> Post-top / side entry Ø 60 / 76 mm (post-top) Ø 42 / 60 mm (side-entry)</p>	<p><b>Protection rating</b> IP66</p> <p><b>Insulation class</b> II</p> <p><b>Impact resistance</b> IK09 (housing) IK10 (PMMA cover)</p>	<p><b>Light colors</b> 3000 / 4000 K</p> <p><b>Color rendering</b> CRI &gt; 70 / 80</p> <p><b>Luminaire luminous efficacy</b> up to 140 lm/W</p> <p><b>Luminous intensity classes</b> G3 / G4 / G6</p>
<p><b>Streetlight 11 midi</b></p> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>Main roads</li> <li>Collection roads</li> <li>Plazas</li> </ul>		<p><b>Lumen packages</b> 7420 to 18,630 lm</p> <p><b>Mounting heights</b> 6 to 12 m</p> <p><b>Service life</b> up to 100,000 h</p>	<p><b>Light distributions</b> (see below)</p> <p>1 2 4 5 6</p>	<p><b>Optic concept</b> HD faceted reflector with PMMA cover</p> <p><b>Inclination options</b> ± (0° / 5° / 10° / 15°)</p> <p><b>Mounting</b> Post-top / side entry Ø 60 / 76 mm (post-top) Ø 60 mm (side-entry)</p>	<p><b>Protection rating</b> IP66</p> <p><b>Insulation class</b> II</p> <p><b>Impact resistance</b> IK09 (housing) IK10 (PMMA cover)</p>	<p><b>Light colors</b> 3000 / 4000 K</p> <p><b>Color rendering</b> CRI &gt; 70 / 80</p> <p><b>Luminaire luminous efficacy</b> up to 140 lm/W</p> <p><b>Luminous intensity classes</b> G3 / G4 / G6</p>

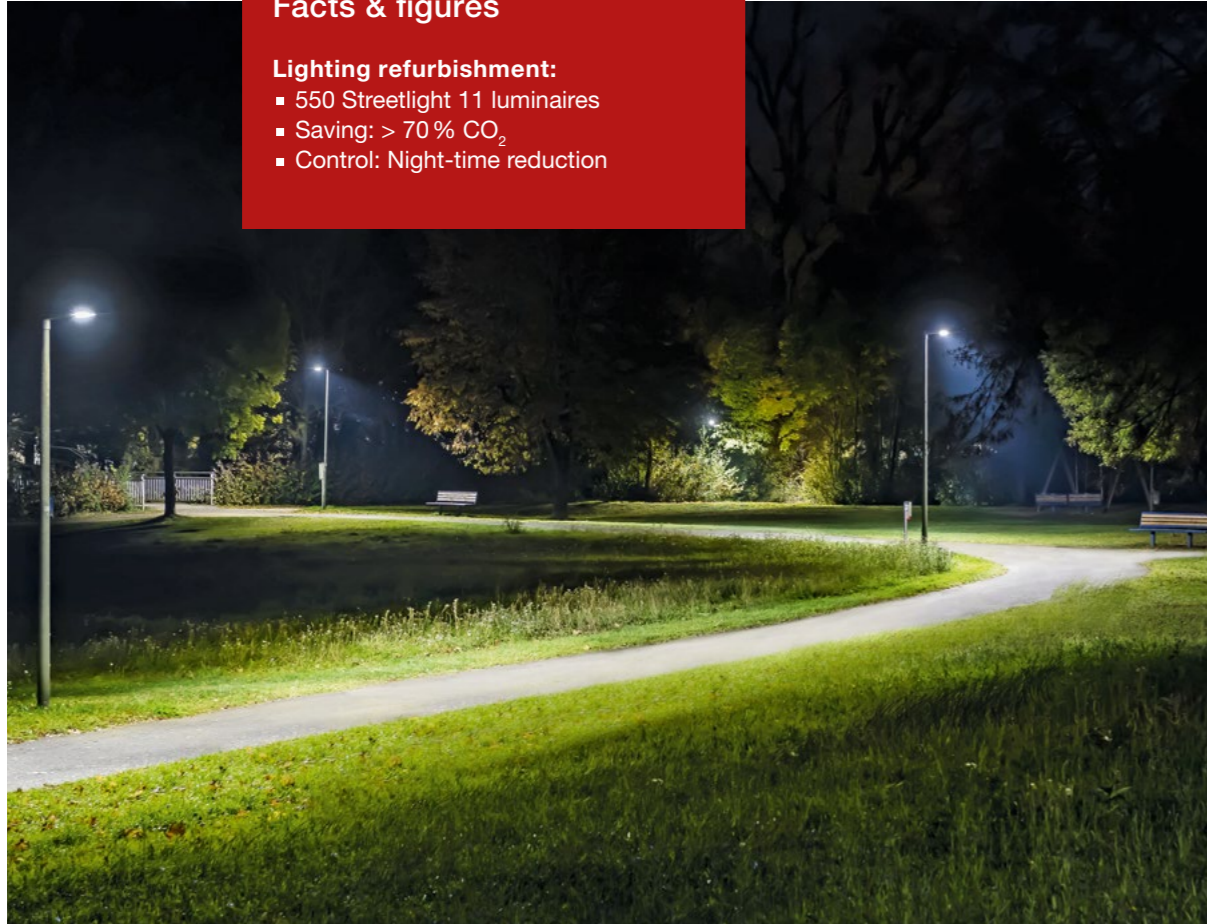
## Light distributions

					
<b>ST1.2a</b> – for normal and wide streets	<b>ST0.5a</b> – for narrow streets	<b>P1.0a</b> – for small paths, streets and cycle paths	<b>ST1.2P1.0</b> – for normal and wide roads with rearward way	<b>ST0.5ST0.5</b> – for normal roads with whip masts	<b>PC-L/R</b> – for pedestrian crossings
					

**Facts & figures**

**Lighting refurbishment:**

- 550 Streetlight 11 luminaires
- Saving: > 70% CO<sub>2</sub>
- Control: Night-time reduction



# Streetlight 11

## Town of Sulzbach-Rosenberg

Sulzbach-Rosenberg is gradually upgrading its entire lighting system. This benefits both community finances and nature.

The town of Sulzbach-Rosenberg is planning to convert 90 percent of its streetlighting to LED by 2020. The municipality took a major step in this direction in 2018 with 550 new Streetlight 11 luminaires from SITECO as well as funding from the Federal Environment Agency. Already today the community is saving more than 70 percent in CO<sub>2</sub> and spending only half of its previous costs on electricity. Thanks to precise lighting technology and inclination adjustment there is absolutely no light spill even from whip masts.



Streetlight 11 micro



Streetlight 11 mini



Streetlight 11 midi

> to the project

# Streetlight 20

## Street-smart light

Complex can also be easy: Visually reduced to the essential, Streetlight 20 impresses with its inner values and quality.

The Streetlight 20 family serves all technical street lighting applications with one concept and one luminaire design across the entire range. High-quality materials and intelligent thermal management come together with clever construction with just two components and tool-free mounting. The result: A long, sustainable life for the luminaire and beyond. Because the module can be exchanged as a single unit. Look forward to the next 100,000 hours.



The design, materials and workmanship of Streetlight 20 combine to create a maximally resistant combination: A die-cast aluminum housing, a toughened safety glass cover and a defined drip edge for complete, fast drying. Streetlight 20 not only represents high quality light but also reliable operation with minimum maintenance complexity.

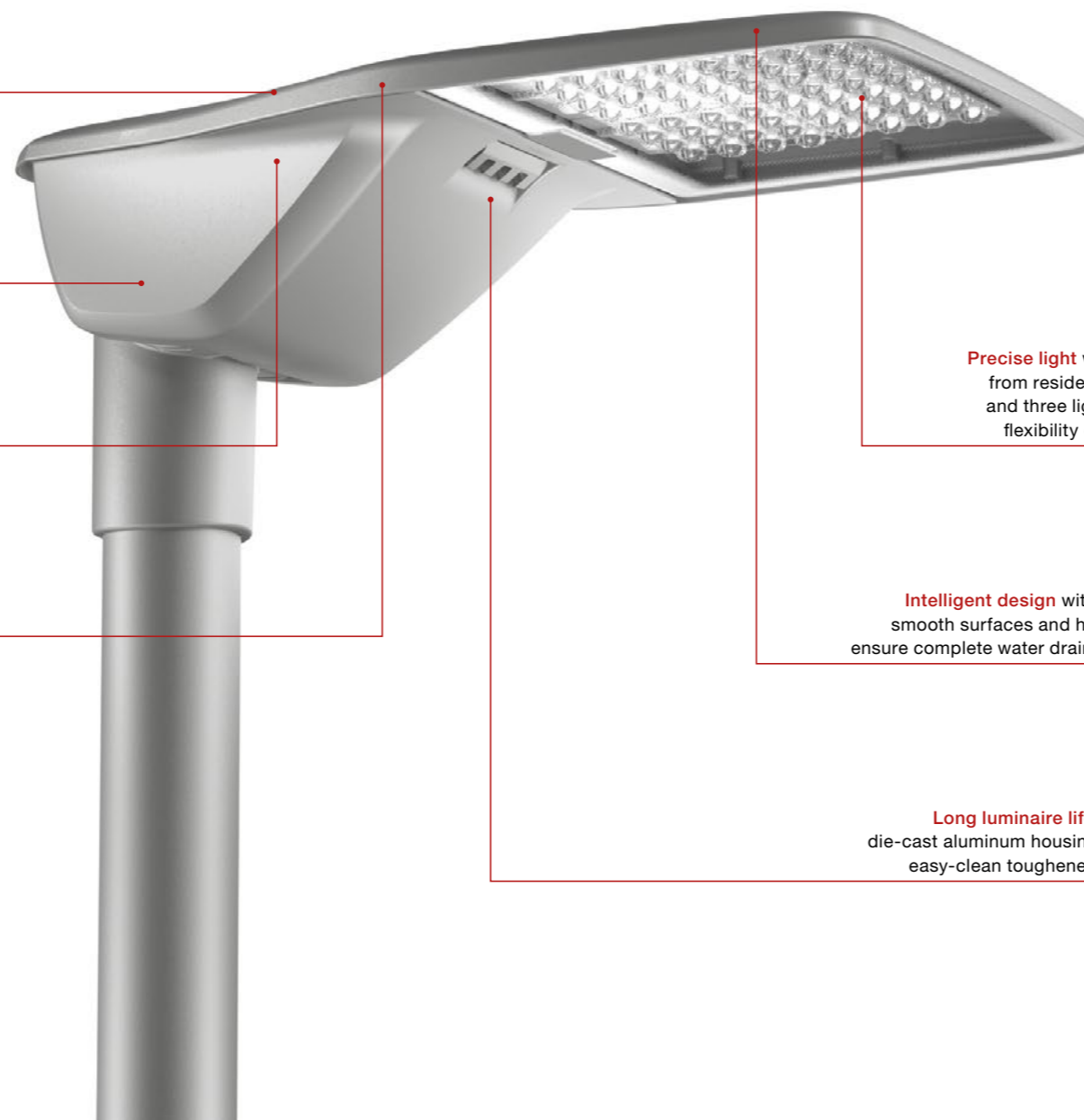
### Future-proof design

Simple replacement of the upper luminaire part as a complete module while the carrier housing remains connected to the mast, e. g. at the end of service life

**Flexible mounting** as side entry or post-top version with mast flanges for 42, 60 or 76 mm, inclinable from 0° to 15° or from 0° to -15° (side-entry mounting)

**Robust** due to optional double coating for increased corrosion protection (SITECO® metallic gray DB 702S)

**Family design** with elegant flat luminaire head without disturbing cooling ribs, uniform for all sizes



**Precise light** with lens technology from residential area to freeway and three light colors for design flexibility (1750/3000/4000 K)

**Intelligent design** with defined drip edge, smooth surfaces and high quality materials ensure complete water drainage and fast drying

**Long luminaire life** due to high quality die-cast aluminum housing with dirt resistant, easy-clean toughened safety glass cover





Streetlight 20 Aarau, Switzerland

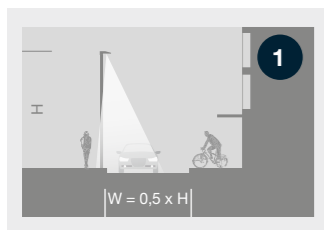


# Streetlight 20 at a glance

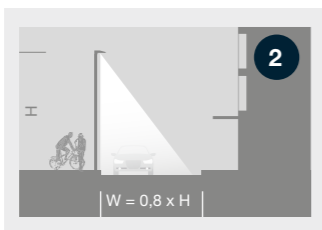
## Product matrix Streetlight 20 range

<p><b>Streetlight 20 micro</b></p> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>Collection roads</li> <li>Cycle paths</li> <li>Plazas</li> </ul>		<p><b>Lumen packages</b> 1750 to 4240 lm</p> <p><b>Mounting heights</b> 3 to 6 m</p> <p><b>Service life</b> up to 100,000 h</p>	<p><b>Light distributions</b> (see below)</p> <p>1 2 3 4 5 6</p>	<p><b>Optic concept</b> lens-based with toughened safety glass cover</p> <p><b>Inclination options</b> ± (0° / 5° / 10° / 15°)</p> <p><b>Mounting</b> Post-top / side entry Ø 60 / 76 mm (post-top) Ø 42 / 60 mm (side entry)</p>	<p><b>Protection rating</b> IP66</p> <p><b>Insulation class</b> II</p> <p><b>Impact resistance</b> IK09</p>	<p><b>Light colors</b> 3000 / 4000 K 1750 K (light distribution 1, 3)</p> <p><b>Color rendering</b> CRI &gt; 70 / 80</p> <p><b>Luminaire luminous efficacy</b> up to 119 lm/W</p> <p><b>Luminous intensity classes</b> G3 / G4</p>
<p><b>Streetlight 20 mini</b></p> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>Collection roads</li> <li>Cycle paths</li> <li>Plazas</li> </ul>		<p><b>Lumen packages</b> 3510 to 8270 lm</p> <p><b>Mounting heights</b> 4 to 8 m</p> <p><b>Service life</b> up to 100,000 h</p>	<p><b>Light distributions</b> (see below)</p> <p>1 2 3 4 5 6</p>	<p><b>Optic concept</b> lens-based with toughened safety glass cover</p> <p><b>Inclination options</b> ± (0° / 5° / 10° / 15°)</p> <p><b>Mounting</b> Post-top / side entry Ø 60 / 76 mm (post-top) Ø 42 / 60 mm (side entry)</p>	<p><b>Protection rating</b> IP66</p> <p><b>Insulation class</b> II</p> <p><b>Impact resistance</b> IK09</p>	<p><b>Light colors</b> 3000 / 4000 K 1750 K (light distribution 1, 3)</p> <p><b>Color rendering</b> CRI &gt; 70 / 80</p> <p><b>Luminaire luminous efficacy</b> up to 137 lm/W</p> <p><b>Luminous intensity classes</b> G3 / G4</p>

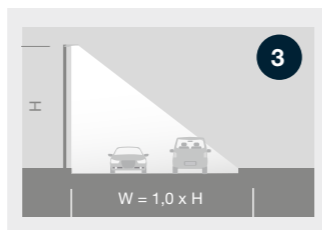
## Light distributions



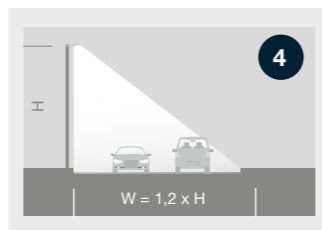
**ST0.5a** – for narrow roads, (cycle) paths, e.g. in residential areas



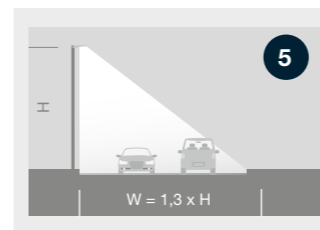
**ST0.8a** – for normal width roads (luminous intensity class 4), e.g. for trunk roads and frontage roads



**ST1.0a** – for normal roads, e.g. expressways



**ST1.2a** – for normal and wide roads



**ST1.3a** – for wide roads, e.g. expressways





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

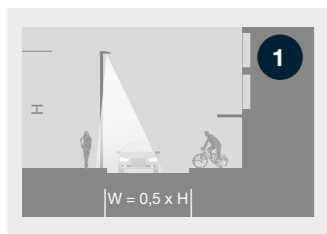

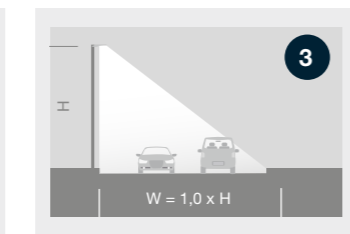
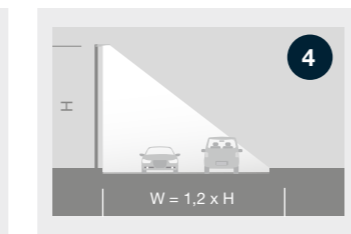
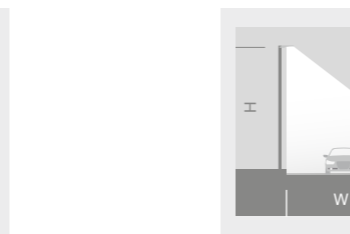
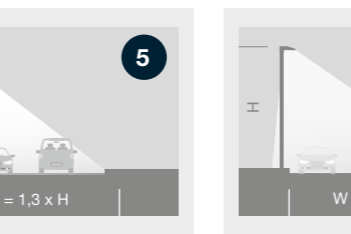
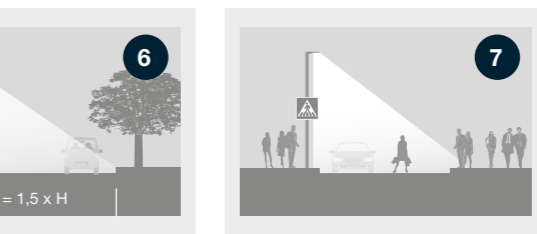









# Streetlight 20 at a glance

## Product matrix Streetlight 20 range

<p><b>Streetlight 20 midi</b></p> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>■ Main roads</li> <li>■ Collection roads</li> <li>■ Plazas</li> </ul>		<p><b>Lumen packages</b> 6300 to 17,520 lm</p> <p><b>Mounting heights</b> 6 to 12 m</p> <p><b>Service life</b> up to 100,000 h</p>	<p><b>Light distributions</b> (see below)</p> <p>1 2 3 4 5 6 7</p>	<p><b>Optic concept</b> lens-based with toughened safety glass cover</p> <p><b>Inclination options</b> ±(0°/5°/10°/15°)</p> <p><b>Mounting</b> Post-top/side entry Ø 60/76 mm (post-top) Ø 42/60 mm (side entry)</p>	<p><b>Protection rating</b> IP66</p> <p><b>Insulation class</b> II</p> <p><b>Impact resistance</b> IK09</p>	<p><b>Light colors</b> 3000/4000 K</p> <p>1750 K (light distribution 1, 3)</p> <p><b>Color rendering</b> CRI &gt; 70/80</p> <p><b>Luminaire luminous efficacy</b> up to 145 lm/W</p> <p><b>Luminous intensity classes</b> G3/G4</p>
<p><b>Streetlight 20 maxi</b></p> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>■ Main roads</li> <li>■ Collection roads</li> <li>■ Plazas</li> </ul>		<p><b>Lumen packages</b> 10,360 to 35,140 lm</p> <p><b>Mounting heights</b> 6 to 14 m</p> <p><b>Service life</b> up to 100,000 h</p>	<p><b>Light distributions</b> (see below)</p> <p>1 2 3 4 5 6</p>	<p><b>Optic concept</b> lens-based with toughened safety glass cover</p> <p><b>Inclination options</b> Post-top: +(0°/3°/8°/15°) Side entry: -(0°/3°/8°/15°)</p> <p><b>Mounting</b> Post-top/side entry Ø 60/76 mm (post-top) Ø 42/60 mm (side entry)</p>	<p><b>Protection rating</b> IP66</p> <p><b>Insulation class</b> II</p> <p><b>Impact resistance</b> IK09</p>	<p><b>Light colors</b> 3000/4000 K</p> <p><b>Color rendering</b> CRI &gt; 70/80</p> <p><b>Luminaire luminous efficacy</b> up to 147 lm/W</p> <p><b>Luminous intensity classes</b> G3/G4</p>

## Light distributions

						
<p><b>ST0.5a</b> – for narrow roads, (cycle) paths, e.g. in residential areas</p>	<p><b>ST0.8a</b> – for normal width roads (luminous intensity class 4), e.g. for trunk roads and frontage roads</p>	<p><b>ST1.0a</b> – for normal roads, e.g. expressways</p>	<p><b>ST1.2a</b> – for normal and wide roads</p>	<p><b>ST1.3a</b> – for wide roads, e.g. expressways</p>	<p><b>ST1.5a</b> – for very wide roads and car parks, e.g. in conflict zones such as intersections and streets with adjoining areas</p>	<p><b>PC-L/R</b> – for pedestrian crossings</p>
						

### Facts & figures

#### Lighting refurbishment:

- 4287 Streetlight 20 luminaires
- Savings: ~1 GWh/year
- Control: Integration in DATEK



# Streetlight 20 Community of Horten

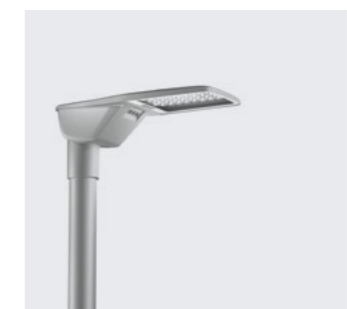
The Norwegian municipality of Horten relies on SITECO – for better and more attractive light with lower maintenance and energy overheads.

A total of 4287 Streetlight 20 luminaires provide the Norwegian community of Horten with better illumination for their public roads – and all with light distributions and light colors matched to the respective location.

Convinced of the lighting result and the high energy savings, several communities around Horten have now also upgraded to Streetlight 20 – this is inspiration in Norwegian.



Streetlight 20 micro



Streetlight 20 mini



Streetlight 20 midi



Streetlight 20 maxi

> to the project

# DL® 50 Convincingly flexible

The technical decorative DL® 50 provides standard-compliant lighting for the complete city and leaves visible traces during day and night.

Good design is simple, concise and convincing. With its uniform design approach, the DL® 50 luminaire family provides new possibilities for urban lighting – in historical plazas and parks as well as on all streets and roads. Its discreet and simultaneously strong character links up with the characteristically fundamental form of technical-decorative streetlighting – along with an innovative, energy-saving interior. A pleasure for both the eye and the budget.

All DL® 50 luminaires are wired ready for connection and, due to their modular design, are ready for upgrading to future LED generations. The luminaire is mounted on mast or cable, is optionally available with intelligent control electronics and in all cases also with tailor-made, precise light distributions. This is ensured by an HD faceted reflector which transforms the powerful light of the LEDs into soft, uniform light with high visual comfort.

**Flexible mounting** as side entry or post-top luminaire with inclination in 5° steps from 0° to +10° or 0° to -15° (with side entry mounting)

**Simple installation** due to pre-installed connection cable with mast luminaires and plug-in system with catenary luminaires; maintenance and ECG replacement possible on the mast

**Flexibility** thanks to family approach as mast and catenary luminaire plus further design options with decorative brackets

**Coherent design concept** by adaptation of the characteristic basic form of technical-decorative road luminaires

**Innovative control concepts** for demand-oriented use of light, including CLO 2.0

**Solution for the whole city** with custom light distributions: ranging from historical market plazas to new residential and multi-lane collecting roads

**Precise light control** without glare thanks to HD faceted reflector

**Resource-saving and good for the environment:** 90 percent of the luminaire retained after replacing the LED unit or gear tray



**Perfect suspensions**  
The DL® 50 is also available as a catenary luminaire for inner-city areas such as pedestrian zones. Quick to install and highly efficient – the ideal supplement.



> to the eCat

# DL® 50 at a glance

## Product matrix DL® 50 range

### DL® 50 mini

**Applications:**

- Footpaths/cycle paths
- Frontage streets
- Residential areas



**Lumen packages**  
1440 to 7080lm  
**Mounting heights**  
4 to 8 m  
**Service life**  
up to 100,000h

**Light distributions**  
(see below)

- 1 2 5



**Optic concept**  
HD faceted reflector with toughened safety glass cover  
**Inclination options**  
Post-top: 0°/5°/10°  
Side entry: 0°/-5°/-10°/-15°  
**Mounting**  
Post-top/side entry  
Ø 60\*/76 mm (post-top)  
Ø 42\*/60 mm (side entry)  
  
(\* with reducer)



**Protection rating**  
IP66  
**Insulation class**  
II  
**Impact resistance**  
IK08



**Light colors**  
3000/4000K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 125lm/W  
**Luminous intensity classes**  
G1/G3/G4/G6

### DL® 50 mini (catenary luminaire)

**Applications:**

- Urban areas with narrow streets, e.g. pedestrian zones



**Lumen packages**  
2800 to 7080lm  
**Mounting heights**  
4 to 8 m  
**Service life**  
up to 100,000h

**Light distributions**  
(see below)

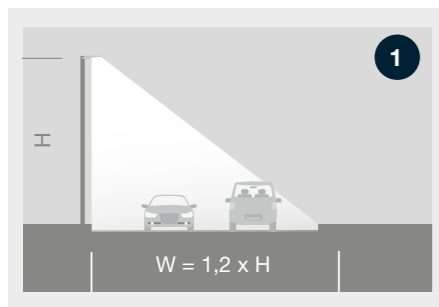
- 3 4

**Optic concept**  
HD faceted reflector with toughened safety glass cover  
**Inclination options**  
Pan-and tilt possible via wire suspension  
**Mounting**  
Wire suspension 1-axis or 2-axis

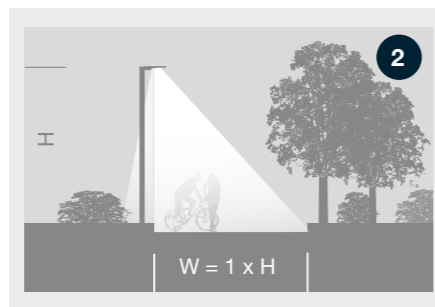
**Protection rating**  
IP66  
**Insulation class**  
II  
**Impact resistance**  
IK08

**Light colors**  
3000/4000K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 125lm/W  
**Luminous intensity classes**  
G1/G4/G6

## Light distributions



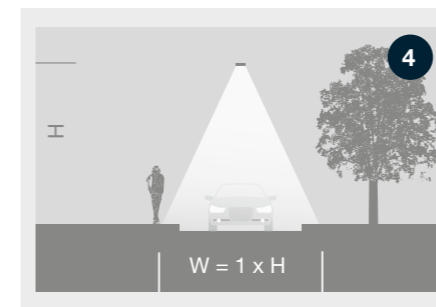
ST1.2a – for normal and wide streets



P1.0a – for small paths, streets and cycle paths



P1.0s – for narrow paths and streets



ST0.5s – for narrow streets



PC-L/R – for pedestrian crossings



# DL® 50 at a glance

## Product matrix DL® 50 range

### DL® 50 midi

#### Applications:

- Main roads
- Side roads
- Frontage streets
- Residential areas



**Lumen packages**  
7340 to 15,150 lm  
**Mounting heights**  
6 to 10 m  
**Service life**  
up to 100,000 h

**Light distributions**  
(see below)



**Optic concept**  
HD faceted reflector with toughened safety glass cover  
**Inclination options**  
Post-top: 0° / 5° / 10°  
Side entry: 0° / -5° / -10° / -15°  
**Mounting**  
Ø 60° / 76 mm (post-top)  
Ø 42° / 60 mm (side entry)  
  
(\* with reducer)



**Protection rating**  
IP66  
**Insulation class**  
II  
**Impact resistance**  
IK08



**Light colors**  
3000/4000 K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 116 lm/W  
**Luminous intensity classes**  
G3 / G4 / G6

### DL® 50 midi (catenary luminaire)

#### Applications:

- Urban areas
- Shopping streets
- Plazas
- Intersections



**Lumen packages**  
7340 to 15,150 lm  
**Mounting heights**  
6 to 10 m  
**Service life**  
up to 100,000 h

**Light distributions**  
(see below)

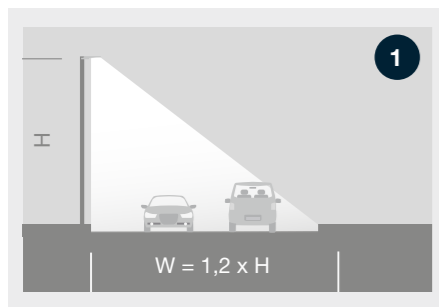


**Optic concept**  
HD faceted reflector with toughened safety glass cover  
**Inclination options**  
Pan-and tilt possible via wire suspension  
**Mounting**  
Wire suspension 1-axis or 2-axis

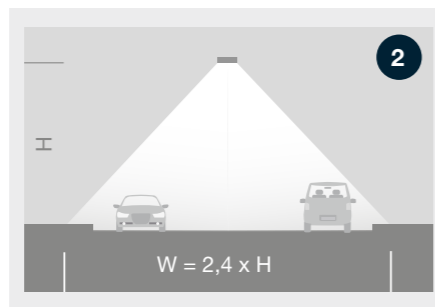
**Protection rating**  
IP66  
**Insulation class**  
II  
**Impact resistance**  
IK08

**Light colors**  
3000/4000 K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 116 lm/W  
**Luminous intensity classes**  
G4 / G6

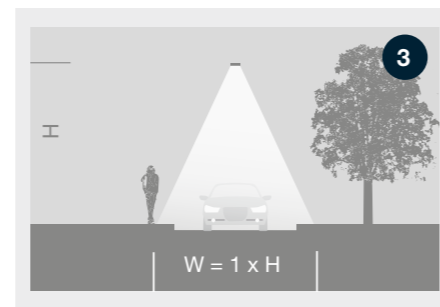
## Light distributions



ST1.2a – for normal and wide streets



ST1.2s – for normal and wide streets



ST0.5s – for narrow streets



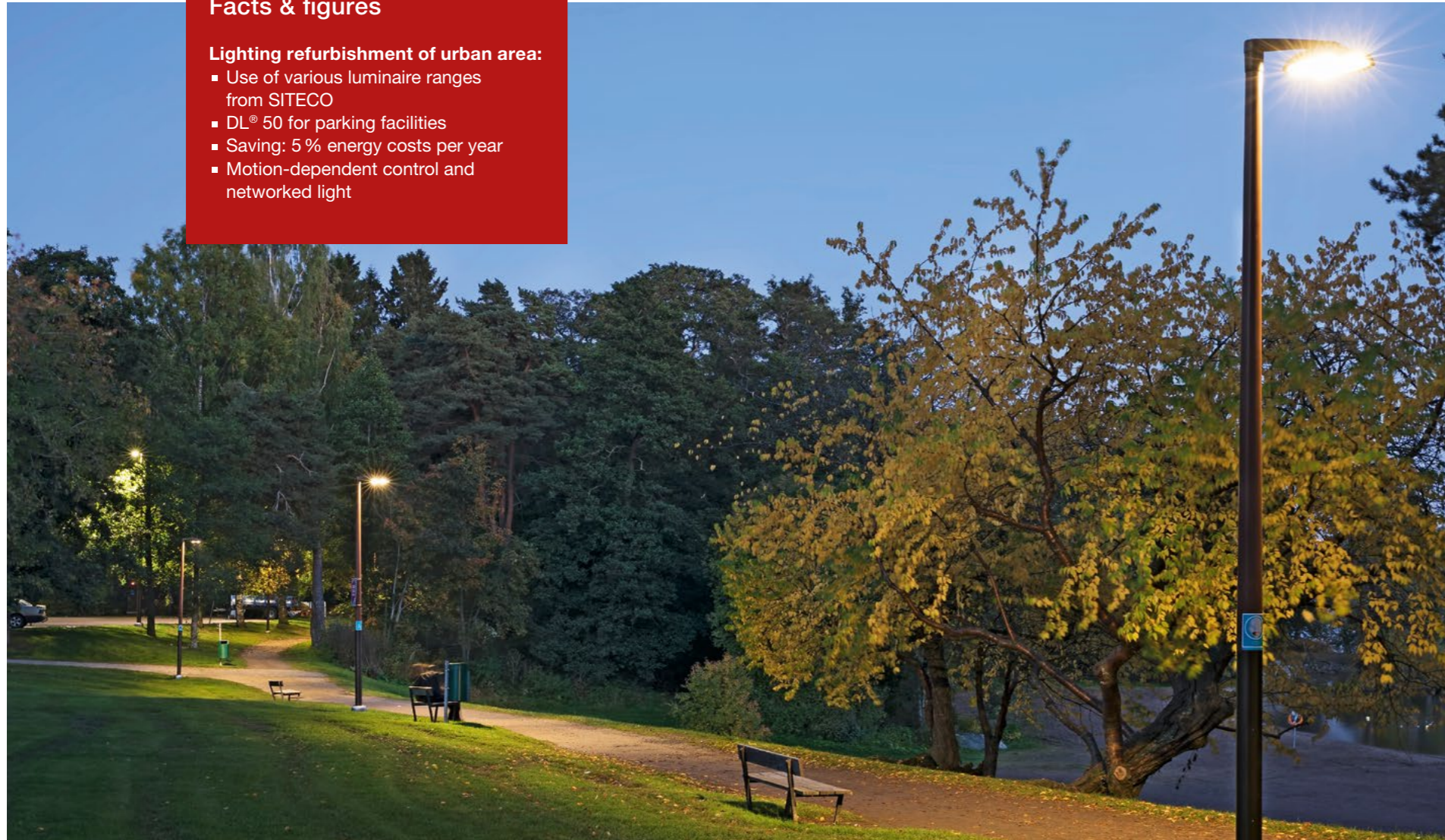
PC-L/R – for pedestrian crossings



## Facts & figures

### Lighting refurbishment of urban area:

- Use of various luminaire ranges from SITECO
- DL® 50 for parking facilities
- Saving: 5 % energy costs per year
- Motion-dependent control and networked light



# DL® 50 Pyynikki

The Finnish town of Tampere modernized all of its municipal lighting with technical and decorative solutions from SITECO.

SITECO solutions illuminate a good part of the municipal outdoor areas of Tampere, Finland. In addition to various technical luminaire ranges such as Streetlight 11 and Streetlight 20, the municipal park in Pyynikki was also equipped with DL® 50 mini and midi. Application-related dimming profiles and lighting control in accordance with presence and motion help Tampere to significantly save energy costs.



DL® 50 mini



DL® 50 midi

> to the  
project



## Light with charm: Town and park lighting

Town and park lighting is an inherent part of the cityscape – both day and night. It creates atmosphere and bridges the gap between quality of life and modern technology.

Urban lighting is more than just streetlighting. It lends towns and cities a sense of charm and an unmistakable character by placing architecture and structures in the right light and inviting people to stay and linger on plazas. Integrated intelligence as an additional feature makes life in the city easier, more enjoyable and more environmentally friendly.

SITECO offers cities the opportunity for genuine individualization with decorative luminaires and masts as well as customer-specific color variants, and works hand in hand with city planners. For aesthetically pleasing solutions that bring together atmospheric light with innovation, environmental protection and low energy consumption.



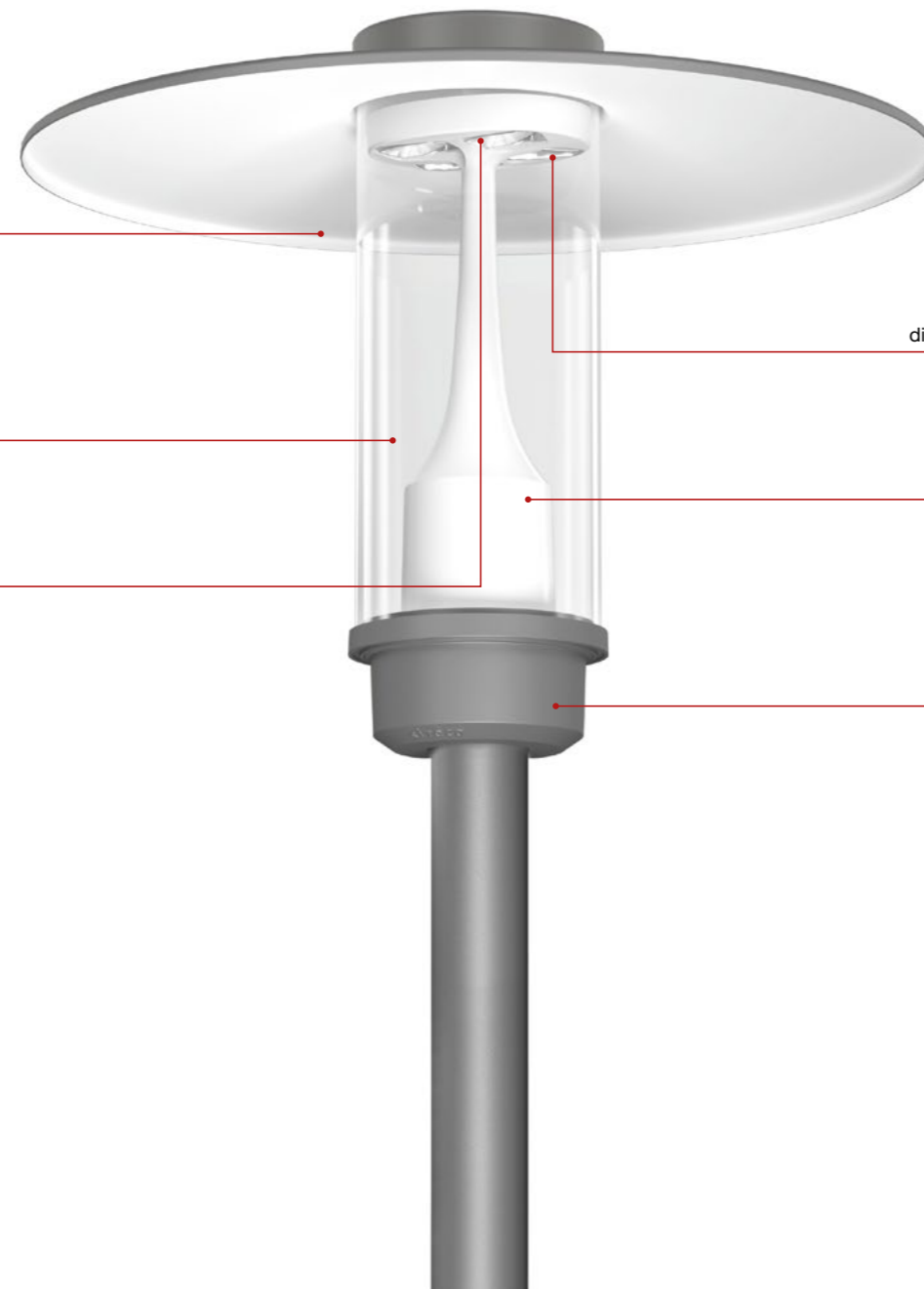


# Litepole Individual light

Whether classic, a color of your choice, or with individually designed housing: Litepole makes public lighting an effective element of city marketing.

Low mounting heights are often preferred in city plazas, park settings and greenage areas. The modern solution for this is called Litepole: Litepole 1 with cylindrical module body, Litepole 2 in the form of classic lantern-shaped luminaires with canopy. Both variants harmonize with both classic and modern architecture and blend ideally into any urban context.

In this way they are a veritable alternative to purely technical lighting. Litepole not only scores points with excellent cost-efficiency and maximum visual comfort, but also designs urban spaces with simple elegance and a wide range of design variants. This transforms streets into unique feel-good zones with which they differentiate themselves from other municipalities.



**Timeless design** with simple, elegant shape and with or without canopy

**Design options**  
Selection between standard variants with module colors white/gray and clear/frosted cover; individual colors and printing on request

**High quality of light** due to quality optic without glare

**Wide range of applications** due to light distributions for plazas and various types of roads

**Precise configuration** via optical and decorative accessories

**Easy handling** with simple maintenance via tool-free access to the gear tray



## The new freedom of design

On request, the Litepole modules can be color-designed and the covers individually printed. In this way light becomes part of your city marketing.



> to the eCat

# Litepole at a glance

## Product matrix Litepole range

### Litepole 1

**Applications:**

- Footpaths/cycle paths
- Frontage streets
- Parking facilities
- Urban areas and plazas, e.g. pedestrian zones



**Lumen packages**  
1470 to 3100 lm  
**Mounting heights**  
3 to 5 m  
**Service life**  
up to 100,000 h

**Light distributions**  
(see below)



**Optic concept**  
HD faceted reflector with clear/frosted cover  
**Mounting**  
Post-top



**Protection rating**  
IP65  
**Insulation class**  
II



**Light colors**  
~2000 (amber)/3000/4000 K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 116 lm/W

### Litepole 2

**Applications:**

- Footpaths/cycle paths
- Frontage streets
- Parking facilities
- Urban areas and plazas, e.g. pedestrian zones



**Lumen packages**  
1510 to 3100 lm  
**Mounting heights**  
3 to 5 m  
**Service life**  
up to 100,000 h

**Light distributions**  
(see below)

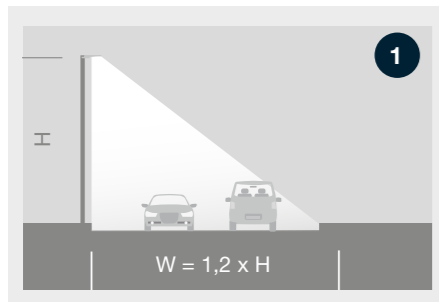


**Optic concept**  
HD faceted reflector with clear/frosted cover  
**Mounting**  
Post-top

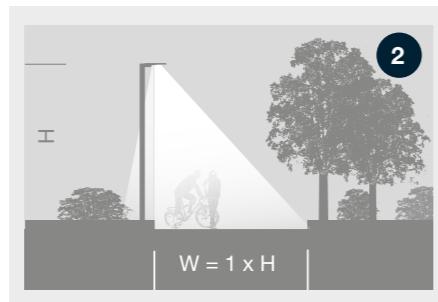
**Protection rating**  
IP65  
**Insulation class**  
II

**Light colors**  
~2000 (amber)/3000/4000 K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 116 lm/W

## Light distributions



ST1.2a – for normal and wide streets



P1.0a – for small paths, streets and cycle paths



PL1.2s – for plazas, parks and pedestrian zones



# DL® 20

## Consummate elegance

Outstanding design, high-performance LED technology and excellent lighting technology in one luminaire: DL® 20 stands for elegance, well-being and efficiency.

As a design object, DL® 20 enhances the architectural context of its surroundings and exudes a modern, feel-good flair. Decorative masts underline this effect. DL® 20 convinces during the day with its filigree appearance, and at night with the simple corona of the LED ring. A sophisticated light distribution system ensures glare-free, especially pleasant light and uniform illumination.



This optic concept developed for the DL® 20 is also the basis for nuanced lighting solutions for different types of roads, streets and plazas. With only a single luminaire type this enables the aesthetically uniform, standard-compliant and needs-oriented lighting of through-roads, residential streets and zones, parking lots, parks and other open areas, as well as cycle paths and footpaths.

**High quality workmanship** luminaire cover protects the LEDs and lighting technology; dirt-repellent toughened safety glass for permanently optimum transmission factors

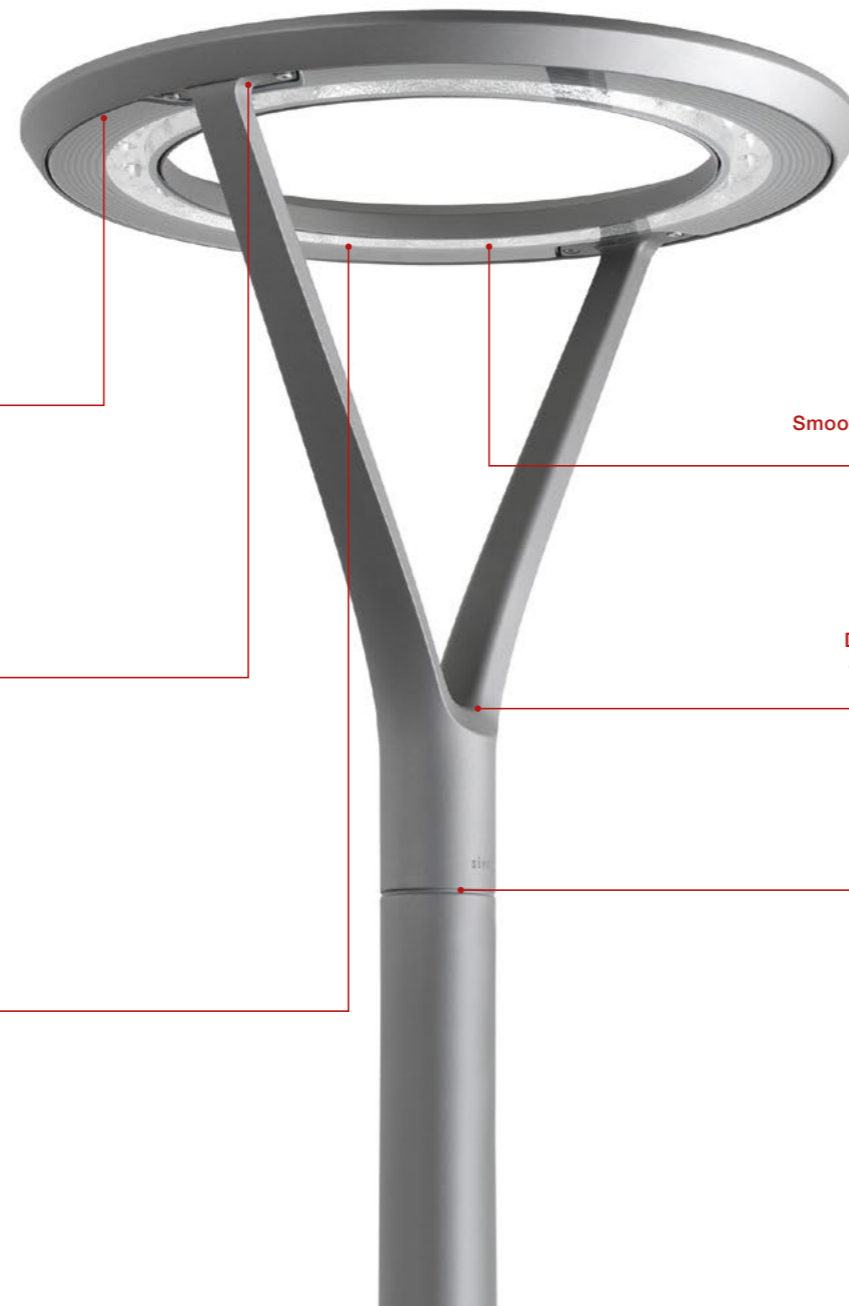
**Smooth operation** due to very good protection with IP66 and IK08 as well as a service life designed for 100,000 h

**Form with function** mounting of luminaire ring and arm via plug connection blending seamlessly into the glass cover; each arm side fixed with two screws

**Durable construction** with luminaire ring and arm made of high-quality aluminum and weather-resistant surface powder-coating in SITECO® metallic gray (DB 702S)

**Elegant design** Assimilation and modern development of the design of lantern-shaped luminaires; various design options through combination with design masts

**Quick installation** due to convenient electrical connection in the cable junction box and only two screws for mast mounting



DL® 20 Lappeenranta, Finland

# DL® 20 at a glance

## Product matrix DL® 20 range

**DL® 20**

**Applications:**

- Footpaths/cycle paths
- Frontage streets
- Parking facilities
- Urban areas and plazas, e.g. pedestrian zones



**Lumen packages**  
3010 to 5380 lm

**Mounting heights**  
4 to 6 m

**Service life**  
up to 100,000 h

**Light distributions**  
(see below)



**Optic concept**  
Micro-LED/MIRO® reflector

**Mounting**  
Post-top



**Protection rating**  
IP66

**Insulation class**  
II

**Impact resistance**  
IK08

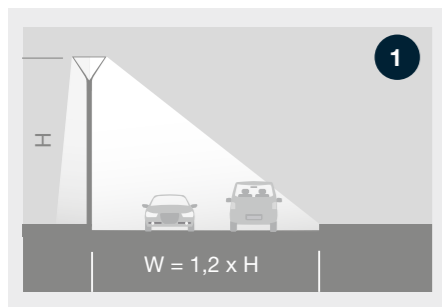


**Light colors**  
3000/4000K

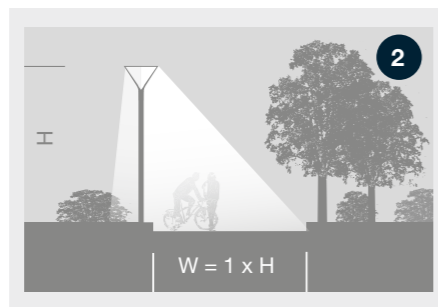
**Color rendering**  
CRI > 80

**Luminaire luminous efficacy**  
up to 102 lm/W

## Light distributions



**ST1.2a** – for normal and wide streets



**P1.0a** – for small paths, streets and cycle paths



**PL1.2s** – for plazas, parks and pedestrian zones



## Facts & figures

### New corporate headquarters:

- DL® 20 for parking spaces
- A focus on attractiveness, efficiency and safety
- Motion- and daylight-dependent control



# DL® 20 Siemens Flow Instruments

For their new headquarters in Sønderborg, Denmark, Siemens Flow Instruments specified SITECO lighting solutions at the highest level for both the indoor and outdoor areas.

Production, administration, building facades and surrounding parking spaces: SITECO equipped the entire new Siemens site in Sønderborg with modern lighting solutions – ranging from downlights and recessed ceiling luminaires in the administration areas to trunking systems in the industrial bays. DL® 20 luminaires provide guidance and well-being on the parking areas as a transition between work and private life. Motion and daylight detection both indoors and outdoors ensures that light is used efficiently and according to requirements.



DL® 20

> to the  
project

# DL® 30

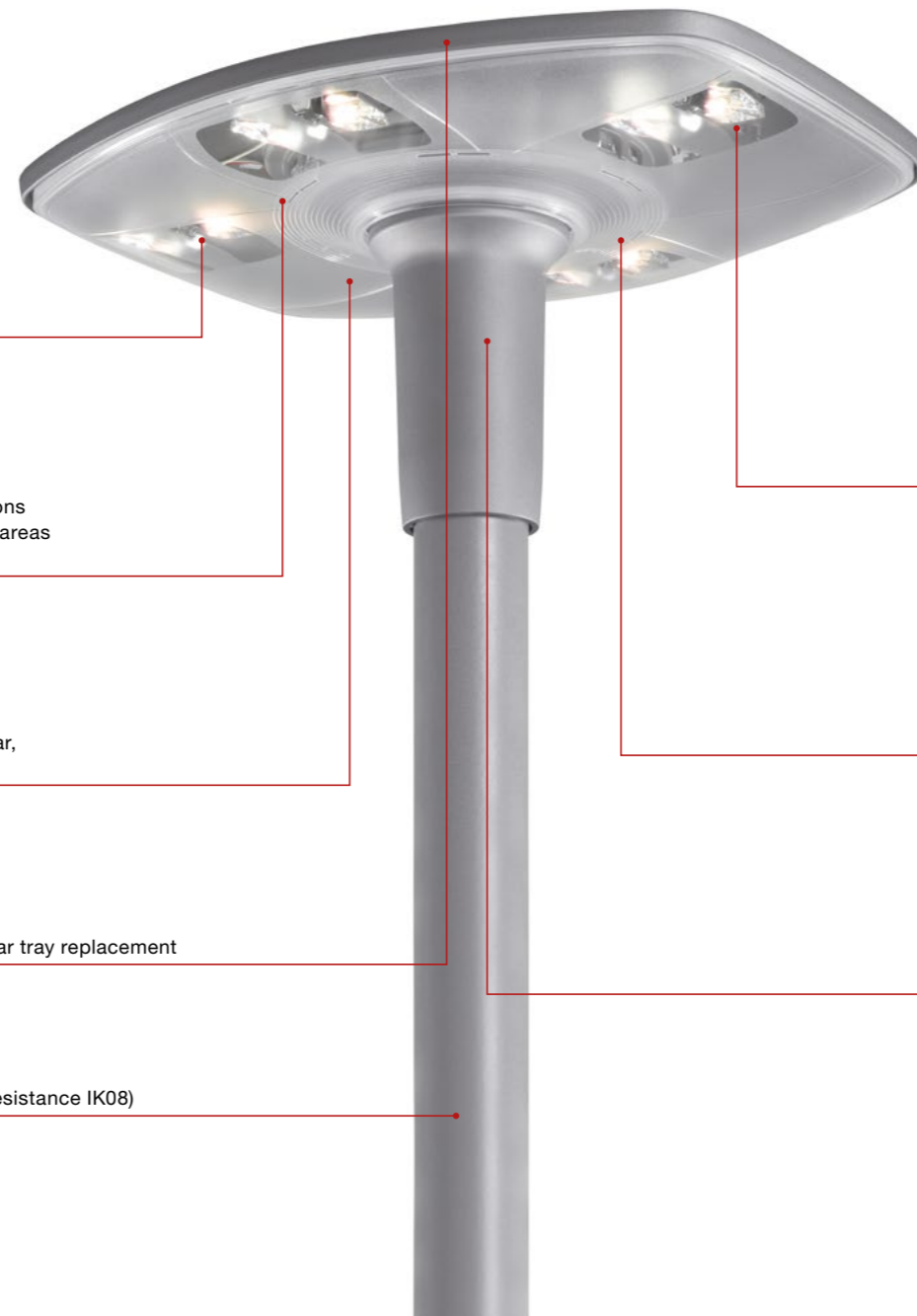
## Aesthetic power

High quality of light and visual guidance – the DL® 30 creates a pleasant ambiance, facilitates orientation on the road and also wins with a fresh product design.

Good design encompasses all parts of a product: A modern design vocabulary with aesthetic power, mature, high-efficiency LED technology and an extremely stable luminaire concept. The special feature of DL® 30 is found in its lighting technology. In its latest generation the luminaire features a light distribution specially developed for intersection areas, enabling it to illuminate practically around the corner and into adjacent road areas.



Yet another highlight: With DL® 30, precisely defined quantities of light spill are emitted onto the mast mounting element and reflected by its surface. This effect is so discreet that residents are not disturbed or exposed to glare. It also acts as a marking function to support orientation and improve perception of the road section.



**Glare-free light** via high-quality specular reflectors and harmonious luminance transitions

**Flexibility in application** due to precise light distributions for residential streets, plazas, shopping streets, green areas and parking spaces

**Low maintenance requirements** with permanently clear, translucent PMMA cover

**Simplest mounting** with tool-free maintenance and gear tray replacement

**Good protection** against vandalism damage (impact resistance IK08)

**Design options** with two light colors (3000/4000 K) and combination with design masts

**Innovative control concepts** for demand-oriented use of light, including CLO 2.0

**Optical guidance** in the course of the road thanks to reflection of light spill onto the mast mounting element



# DL® 30 at a glance

## Product matrix DL® 30 range

### DL® 30

#### Applications:

- Footpaths/cycle paths
- Frontage streets
- Parking facilities
- Intersections
- Urban areas and plazas, e.g. pedestrian zones



**Lumen packages**  
1400 to 6320 lm  
**Mounting heights**  
3.5 to 6 m  
**Service life**  
up to 100,000 h

**Light distributions**  
(see below)



**Optic concept**  
HD faceted reflector  
**Mounting**  
Ø 60 mm\* / 76 mm  
  
(\* with reducer)

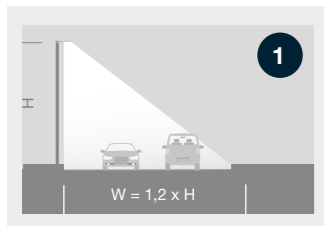


**Protection rating**  
IP66  
**Insulation class**  
II  
**Impact resistance**  
IK08



**Light colors**  
3000/4000 K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 119 lm/W  
**Luminous intensity classes**  
G3/G4/G6

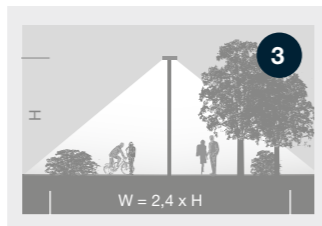
## Light distributions



**ST1.2a** – for normal and wide roads



**P1.0a** – for small paths, streets and cycle paths



**PL1.2s** – for plazas, parks and pedestrian zones



**ST1.2c** – for intersection areas



## Facts & figures

### Lighting refurbishment:

- DL® 30, supplemented with Streetlight 10 and Floodlight 20
- Integrated night-time reduction
- Saving: 40t CO<sub>2</sub>/year

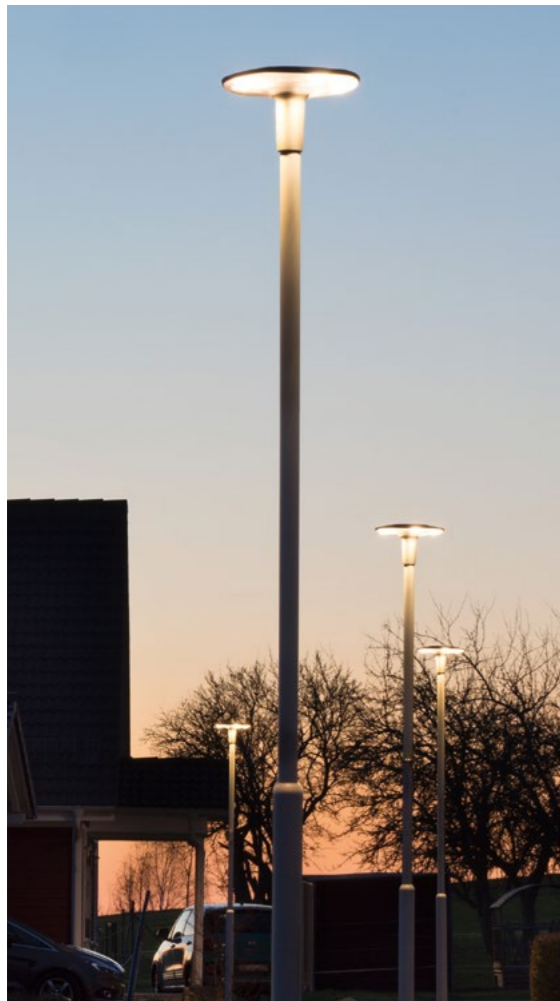


# DL® 30 Community of Balgheim

A small community in Baden-Württemberg, Germany sets a good example and saves 40 tons of CO<sub>2</sub> per year thanks to new road lighting.

A small municipality shows the way: Balgheim, with 1250 inhabitants, has been participating in a Baden-Württemberg sustainability project since 2015. Within the framework of this project the town converted all its public outdoor lighting to LED. A solution with a uniform, attractive design for the entire community was aimed for.

For SITECO this was an ideal case for DL® 30 – supplemented by several Streetlight 10 luminaires and LED projectors for highlighting the church steeple. The result: improved lighting levels, higher quality of light and lower operating and maintenance costs.



DL® 30

> to the  
project



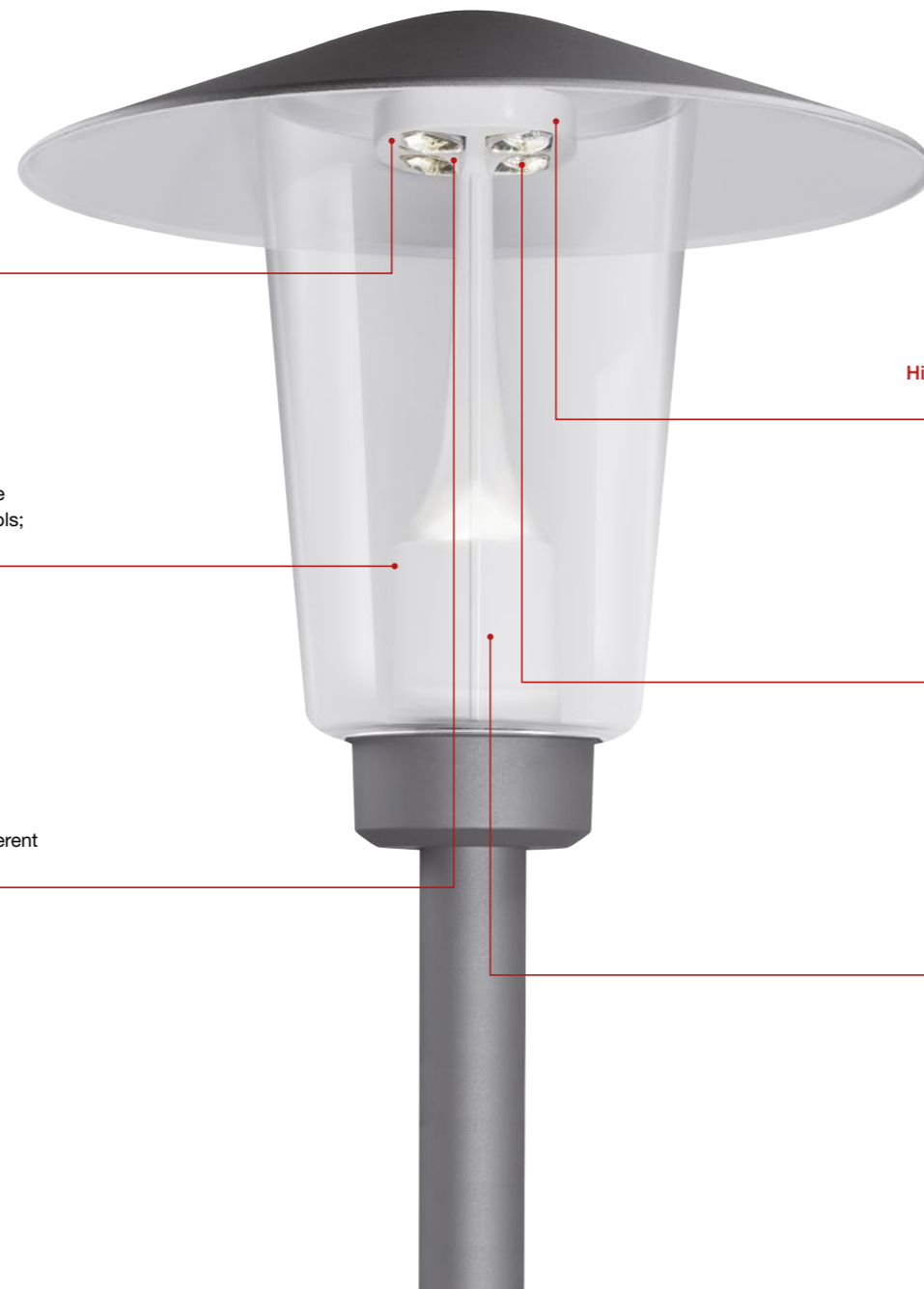
# Town and park luminaires

## Economy in white

Safety, well-being and identity. Rarely has such a requirement been resolved so convincingly in town and park lighting as with the Module 540, an LED module for a wide variety of different luminaire types.

Lantern-shaped luminaires dominate the townscape in many places. With their appearance they help to determine the environment: Form and design are present by day, whereas function and quality of light come to the fore at night. SITECO offers eight types of luminaires for this purpose which, thanks to their elegant appearance and efficient lighting, are a real plus for towns, cities and municipalities. The technical basis for this is the Module 540, utilized by all luminaires.

This module combines high visual comfort and innovative LED technology with unique visual guidance. Especially practical: It is also ideal for refurbishment projects. The familiar impression of luminaires in the town remains the same, while local authorities and their residents benefit from significantly improved lighting levels, an increased sense of safety and security and lower energy and maintenance costs, all thanks to "LED inside".



**Innovative control options** for demand-oriented use of light, e.g. CLO 2.0

**Simple refurbishments** by installation and connection of the module directly on the mast without the need for special tools; the familiar appearance is maintained

**Individual lighting design** thanks to a selection of eight different luminaire types, two light colors and clear/frosted covers

**High visual comfort** due to uniform illumination and very good glare control (even more comfort with spreader element)

**Future-proof concept** due to modular design with exchangeable LED module

**Visual guidance** along the road with luminous module body with decorative day and night effect



Module 540, London, England



> to the eCat

# Town and park luminaires with Module 540 at a glance

Product matrix Module 540 range

## Module 540

**Applications:**

- Footpaths/cycle paths
- Frontage streets
- Parking facilities
- Urban areas and plazas, e.g. pedestrian zones



**Lumen packages**  
up to 3100lm  
(depends on housing)  
**Mounting heights**  
3 to 5 m  
**Service life**  
up to 80,000 h

**Light distributions**  
(see below)



**Optic concept**  
HD faceted reflector  
**Mounting**  
Post-top



**Protection rating**  
IP54  
**Insulation class**  
II  
**Impact resistance**  
depends on housing



**Light colors**  
2000 (amber)/3000/4000 K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 117 lm/W



CITY-LIGHT PLUS



CITY-LIGHT ELEGANCE



LANTERN



CLASSIC LANTERN



MUSHROOM LUMINAIRE

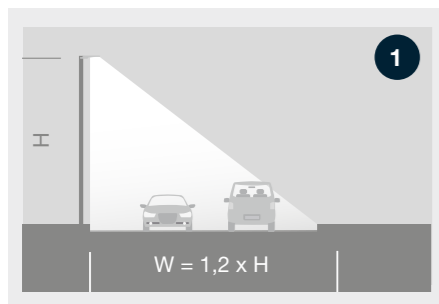


Bollard CITY-LIGHT 120

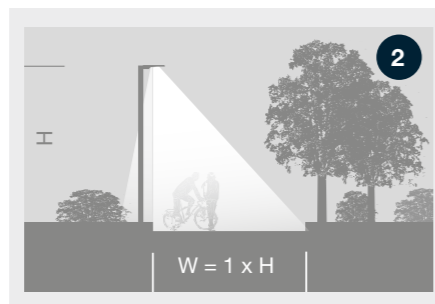


Pillar CITY-LIGHT 260/400

**Light distributions**



ST1.2a – for normal and wide streets



P1.0a – for small paths, streets and cycle paths



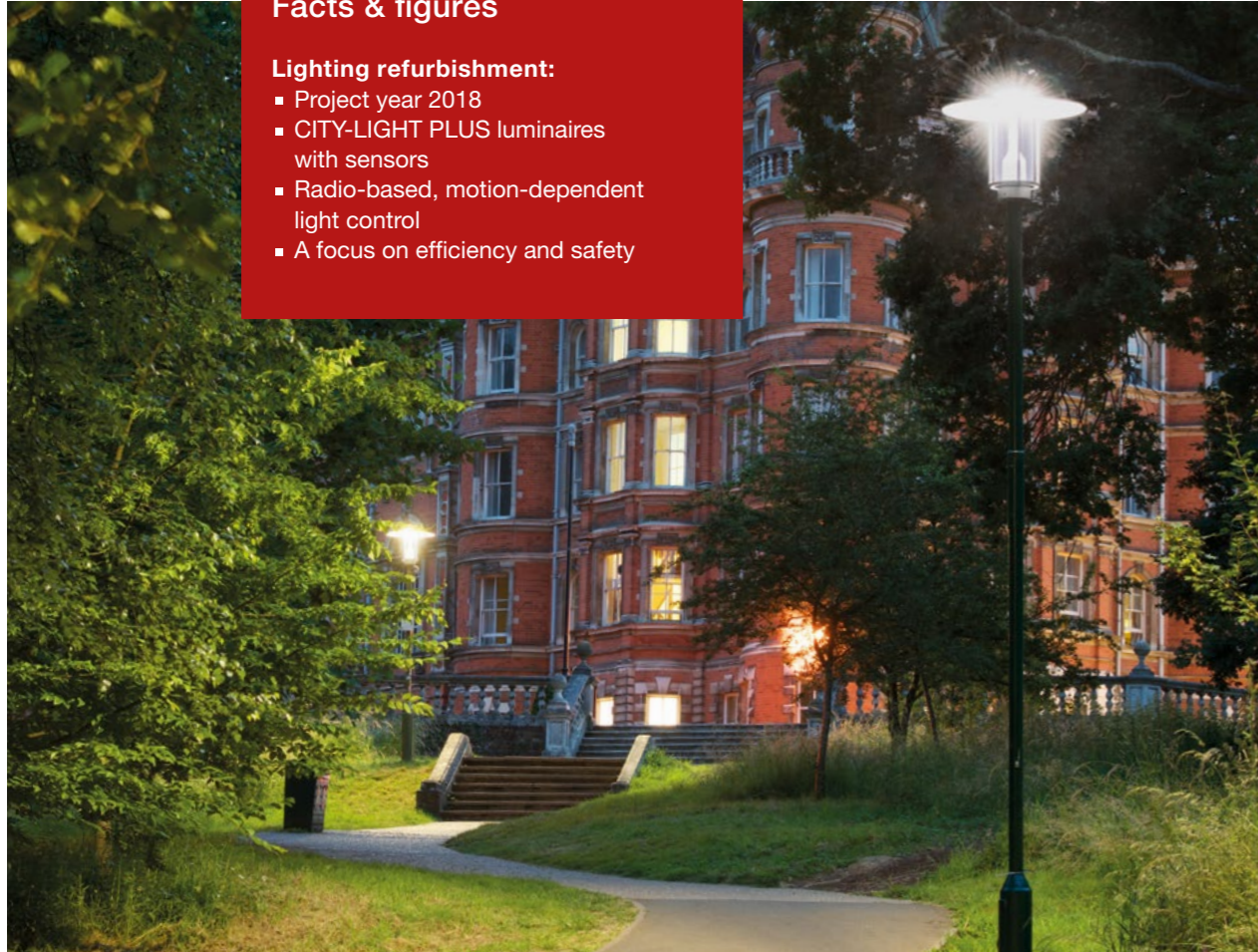
PL1.2s – for plazas, parks and pedestrian zones



**Facts & figures**

**Lighting refurbishment:**

- Project year 2018
- CITY-LIGHT PLUS luminaires with sensors
- Radio-based, motion-dependent light control
- A focus on efficiency and safety



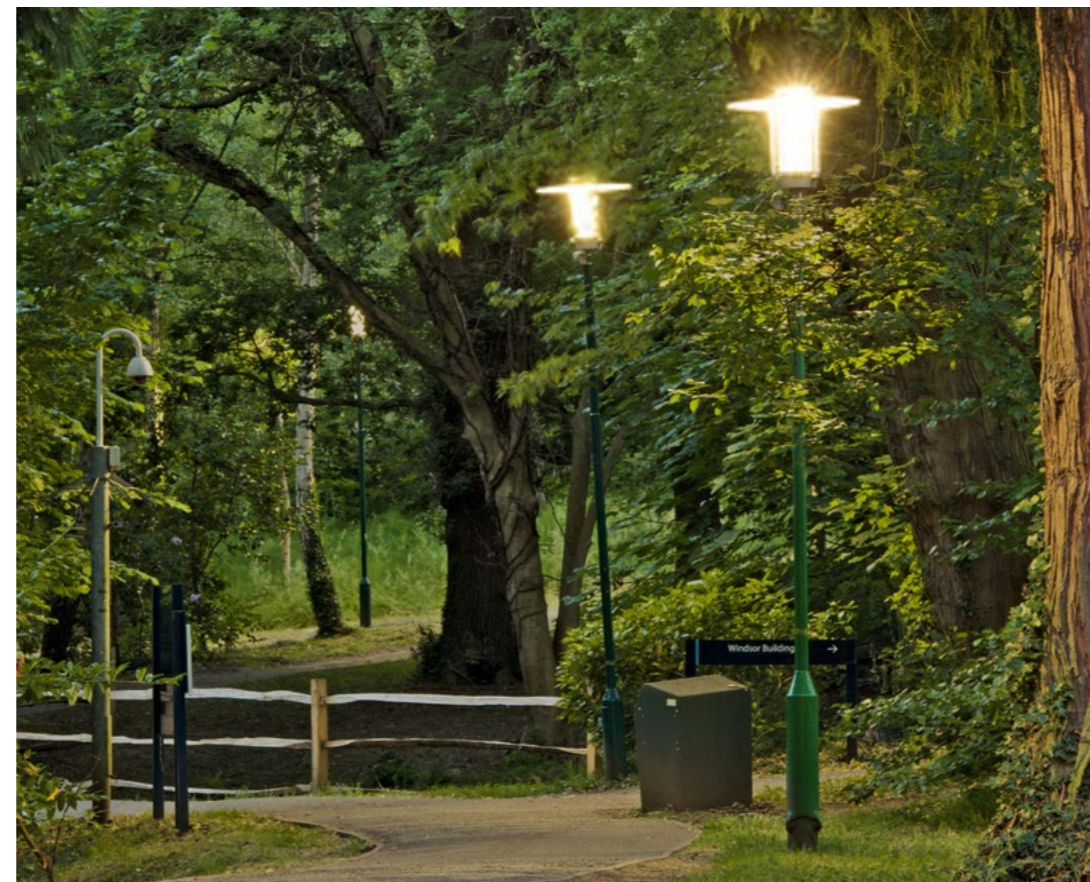
# Town and park luminaires with Module 540 and motion detection

## University of London

Motion-controlled outdoor lighting on the park-style campus area of the Royal Holloway saves energy, protects the environment and improves safety.

9000 people from 100 countries study at Royal Holloway, a college of the University of London. The spacious, park-like grounds lend the campus its charm, but also require optimum lighting for safety reasons. This is achieved with CITY-LIGHT PLUS luminaires from SITECO in conjunction with sensors.

In combination this results in outdoor lighting that is controlled according to movement – and wirelessly. Luminaires activated by movement communicate directly with their adjacent luminaires and control these. Lowering the light level in times of low circulation traffic saves energy and counteracts excessive light pollution.



Module 540 white



CITY-LIGHT PLUS

> to the project

# SMALL/LARGE BELL

## New legends

Bell-shaped luminaires are a classic of outdoor lighting. With LED technology they remain true to their outward design and impress with lighting technology and low costs.

The BELL brings together a decorative, classic design with all the requirements of a sustainable lighting solution: High quality of light, precise light control, multiple control options and energy-saving operation. The BELL with both large and small construction design is a flexible all-rounder, and thanks to its simple module concept is also an efficient and sustainable refurbishment solution for obsolete lighting systems.

Compared to old systems equipped with 70W SON, the LED version of the BELL saves up to 80 percent in energy. The latest generation also features the patented CLO 2.0 luminous flux tracking which achieves a maximum in efficiency and service life from the LED module. Upgrading to LED with the BELL is quite simple: The main part of the luminaire is retained and only the gear tray is replaced. This saves time, money and nerves.

**Optic concept with HD faceted reflector** for especially efficient and precise light control without glare

**High energy savings**  
> 80 percent compared to old systems with SON, quick payback of < 3 years

**Customized light distributions** for plazas, parks, residential areas, residential and collection roads

**Intelligent operating electronics** with extensive functions such as CLO 2.0

**Simple modernization** via tool-free insertion of the BELL LED module. The gear tray and cover are already connected to each other






**Urban design with light** by selecting between two light colors (3000/4000K) and two covers (clear/transparent structured); mounting on multiple brackets



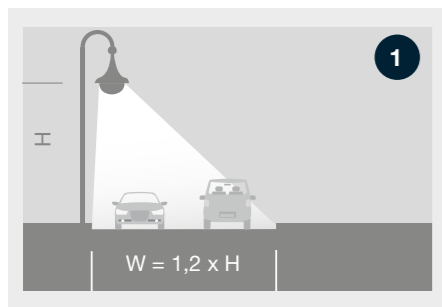
LARGE BELL, Bensheim, Germany

# SMALL/LARGE BELL at a glance

Product matrix SMALL/LARGE BELL range

<p><b>SMALL BELL</b></p> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>Plazas</li> <li>Parking facilities</li> <li>Service and collection roads</li> <li>Residential areas</li> <li>For large luminaire spacing of 30 to 40 m</li> </ul>		<p><b>Lumen packages</b> 1230 to 1630lm</p> <p><b>Mounting heights</b> 3.5 to 5 m</p> <p><b>Service life</b> up to 80,000 h</p>	<p><b>Light distributions</b> (see below)</p> <p>1</p>	<p><b>Optic concept</b> clear or transparent structured cover HD faceted reflector</p> <p><b>Mounting</b> suspended mounting on curved mast extension Curved mast extension for post-top Ø 60/76 mm</p>	<p><b>Protection rating</b> IP54</p> <p><b>Insulation class</b> II</p>	<p><b>Light colors</b> 3000/4000 K</p> <p><b>Color rendering</b> CRI &gt; 70/80</p> <p><b>Luminaire luminous efficacy</b> up to 112lm/W</p>			
<p><b>LARGE BELL</b></p> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>Plazas</li> <li>Parking facilities</li> <li>Service and collection roads</li> <li>Residential areas</li> <li>For large luminaire spacing of 30 to 40 m</li> </ul>		<p><b>Lumen packages</b> 2340 to 3220lm</p> <p><b>Mounting heights</b> 4 to 6 m</p> <p><b>Service life</b> up to 80,000 h</p>	<p><b>Light distributions</b> (see below)</p> <p>1</p>	<p><b>Optic concept</b> Clear or transparent structured cover HD faceted reflector</p> <p><b>Installation</b> suspended mounting on curved mast extension Curved mast extension for post-top Ø 60/76 mm</p>	<p><b>Protection rating</b> IP54</p> <p><b>Insulation class</b> II</p>	<p><b>Light colors</b> 3000/4000 K</p> <p><b>Color rendering</b> CRI &gt; 70/80</p> <p><b>Luminaire luminous efficacy</b> up to 120lm/W</p>			

Light distributions



ST1.2a – for normal and wide streets



**Facts & figures**

**Lighting refurbishment:**

- LED modules for BELL in the town center, Streetlight 10 for roads
- Saving: 40 % electricity costs
- Focus: familiar townscape with improved efficiency



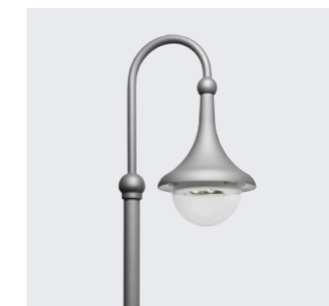
# SMALL/LARGE BELL

## Bensheim

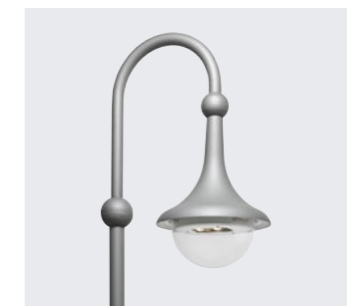
Bensheim combines tradition with technological progress: The upgraded BELLS save 40 percent in electricity with significantly improved quality of light.

Within two years, the Hessian city of Bensheim in Germany has converted 3400 light points to luminaires with LED technology. While Streetlight 10 from SITECO was newly installed on main roads and side streets, it was decided to retain the familiar townscape with its pedestrian zone and BELL luminaires.

Here, existing luminaires were upgraded with the appropriate LED modules. Despite significantly improved lighting levels, the refurbished luminaires operated with 40 percent less electricity. Regular relamping is now also a thing of the past.



SMALL BELL



LARGE BELL

> to the project

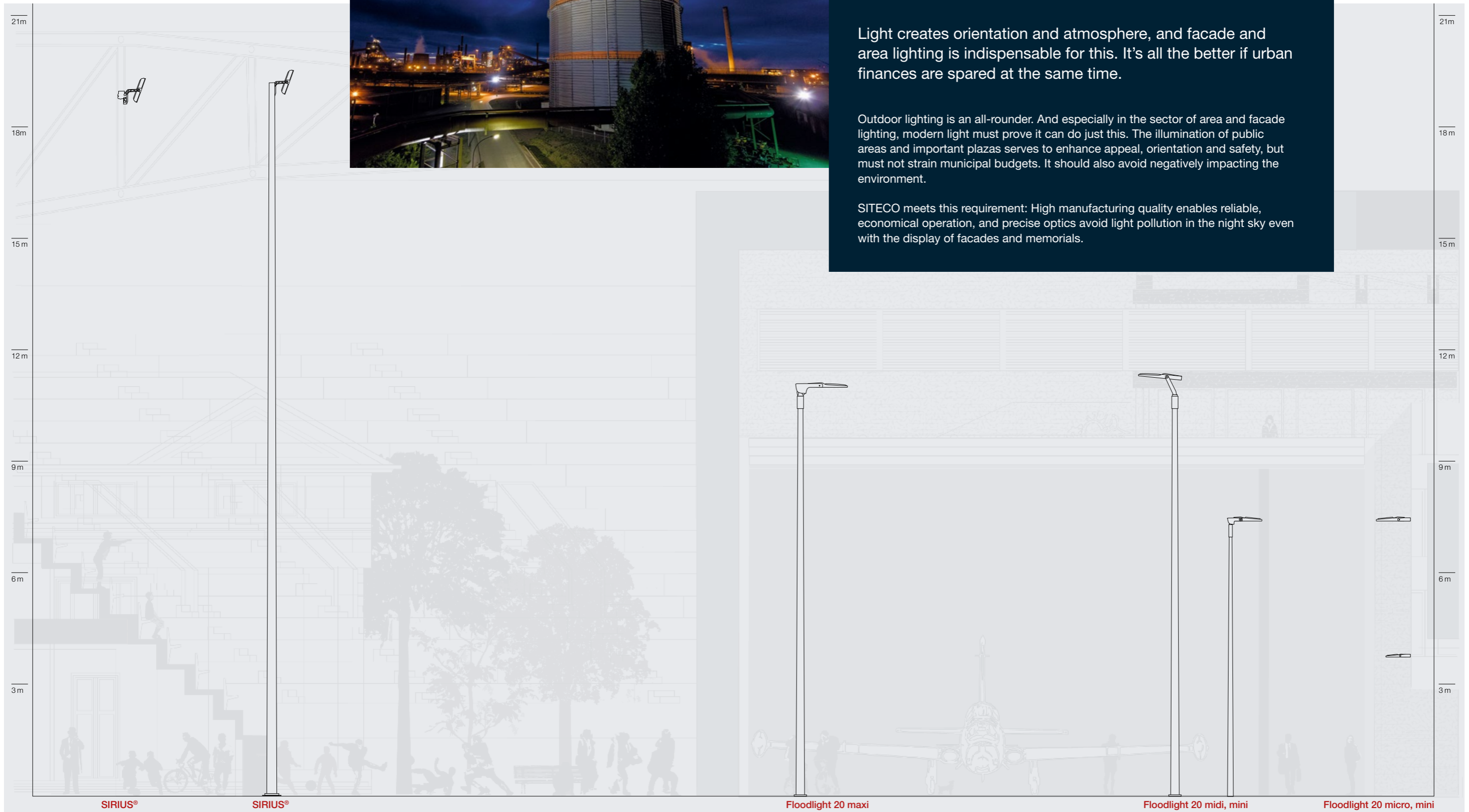


## Safe and attractive: Facade and area lighting

Light creates orientation and atmosphere, and facade and area lighting is indispensable for this. It's all the better if urban finances are spared at the same time.

Outdoor lighting is an all-rounder. And especially in the sector of area and facade lighting, modern light must prove it can do just this. The illumination of public areas and important plazas serves to enhance appeal, orientation and safety, but must not strain municipal budgets. It should also avoid negatively impacting the environment.

SITECO meets this requirement: High manufacturing quality enables reliable, economical operation, and precise optics avoid light pollution in the night sky even with the display of facades and memorials.



# Floodlight 20

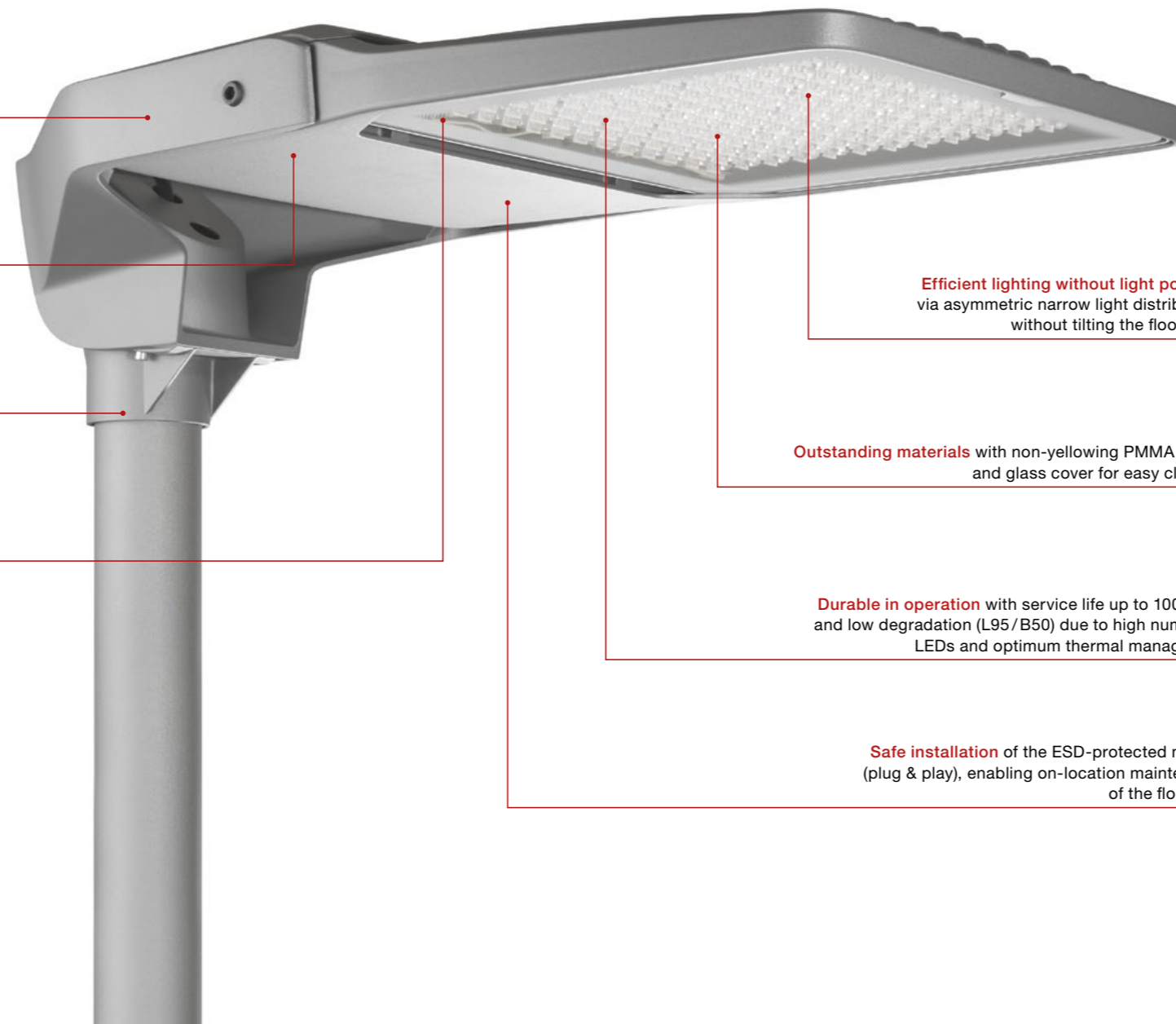
## Stylish power package

Bright, pleasant and optimally illuminated surfaces. The Floodlight 20 family is synonymous with efficiency, high performance LED technology and modern lighting technology.

The Floodlight 20 range features a consistent design concept from a single cast. With four sizes and various light distributions, the floodlights are suitable for access routes, parking lots and forecourts as well as for decorative light accents on facades (micro size). The floodlight scores equally well with urban sports facilities with playing fields of all sizes, including large football stadiums. Its application has even been tested for indoor swimming pools.



SITECO has attached particular importance to the resistance: The floodlights easily cope with a temperature range from -30 to +50 °C and, thanks to overvoltage protection, are also ideally protected against thunderstorms. Microcor®-coated screws offer no surfaces for attack by corrosion.



**High stability** due to IP66 ("sealed for life"); vibration stability of 250,000 strokes and snow load stability

**Harmonious integration** into diverse and architecturally prestigious surroundings due to slender industry design

**Various application-related mounting options** with various brackets and accessories (wall, mast, cross-arm)

**Future-proof** due to upgradeable modular design with exchangeable LED module and ECG

**Efficient lighting without light pollution** via asymmetric narrow light distributions without tilting the floodlights

**Outstanding materials** with non-yellowing PMMA lenses and glass cover for easy cleaning

**Durable in operation** with service life up to 100,000 h and low degradation (L95/B50) due to high number of LEDs and optimum thermal management

**Safe installation** of the ESD-protected module (plug & play), enabling on-location maintenance of the floodlight



Floodlight 20, Karlsruhe, Germany



# Floodlight 20 at a glance

## Product matrix Floodlight 20 range

### Floodlight 20 micro

**Applications:**

- Parking lots
- Side streets, residential streets, main roads and collection roads
- Cycle paths and footpaths
- Parking facilities
- Illumination of buildings



**Lumen packages**  
2410 to 3250lm  
**Mounting heights**  
3 to 5 m  
**Service life**  
up to 100,000 h

**Light distributions**  
(see below)



**Optic concept**  
lens-based  
**Inclination options**  
Post-top:  $\pm(0^\circ/5^\circ/10^\circ/15^\circ)$   
Side entry:  $\pm(0^\circ/5^\circ/10^\circ/15^\circ)$   
Support bracket with  $\pm 170^\circ$   
**Mounting**  
Support bracket, wall connection, post-top/side entry



**Protection rating**  
IP66  
**Insulation class**  
I/II



**Light colors**  
3000/4000K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 125lm/W

### Floodlight 20 mini

**Applications:**

- Parking lots
- Side streets, residential streets, main roads and collection roads
- Cycle paths and footpaths
- Parking facilities
- Illumination of buildings



**Lumen packages**  
4930 to 13,030lm  
**Mounting heights**  
5 to 8 m  
**Service life**  
up to 100,000 h

**Light distributions**  
(see below)

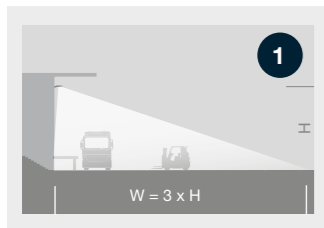


**Optic concept**  
lens-based  
**Inclination options**  
Post-top:  $\pm(0^\circ/5^\circ/10^\circ/15^\circ)$   
Side entry:  $\pm(0^\circ/5^\circ/10^\circ/15^\circ)$   
Support bracket with  $\pm 170^\circ$   
**Mounting**  
Support bracket, post-top/side entry

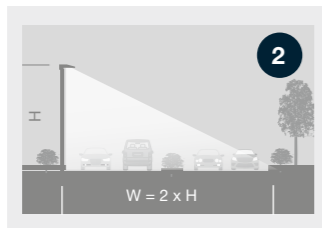
**Protection rating**  
IP66  
**Insulation class**  
I/II

**Light colors**  
3000/4000K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 135lm/W

## Light distributions



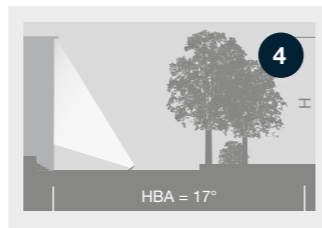
**PL43** – for narrow distribution illumination of plazas



**PL52** – for multi-lane roads



**PL61** – for normal roads



**RS17** – for illuminating objects and buildings



# Floodlight 20 at a glance

## Product matrix Floodlight 20 range

### Floodlight 20 midi

**Applications:**

- Parking lots
- Main roads, collection roads
- Parking facilities
- Illumination of buildings



**Lumen packages**  
14,130 to 28,900 lm  
**Mounting heights**  
8 to 14 m  
**Service life**  
up to 100,000 h

**Light distributions**  
(see below)



**Optic concept**  
lens-based  
**Inclination options**  
Post-top:  $\pm(0^\circ/3^\circ/8^\circ/15^\circ)$   
Side entry:  $\pm(0^\circ/3^\circ/8^\circ/15^\circ)$   
**Mounting**  
Support bracket, wall connection, post-top/side entry



**Protection rating**  
IP66  
**Insulation class**  
I/II



**Light colors**  
3000/4000/5000K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 137 lm/W

### Floodlight 20 midi power

**Applications:**

- Parking lots
- Main roads, collection roads
- Parking facilities
- Illumination of buildings
- Sports grounds (small playing fields)



**Lumen packages**  
38,380 to 39,000 lm  
**Mounting heights**  
8 to 14 m  
**Service life**  
up to 50,000 h

**Light distributions**  
(see below)

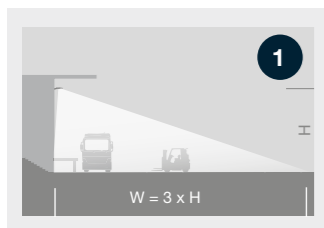


**Optic concept**  
lens-based  
**Inclination options**  
Post-top:  $\pm(0^\circ/3^\circ/8^\circ/15^\circ)$   
Side entry:  $\pm(0^\circ/3^\circ/8^\circ/15^\circ)$   
**Mounting**  
Support bracket

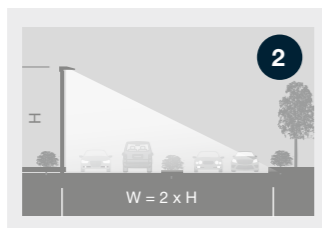
**Protection rating**  
IP66  
**Insulation class**  
I/II

**Light colors**  
3000/4000/5000K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 127 lm/W

## Light distributions



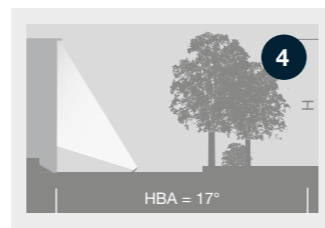
**PL43** – for narrow distribution illumination of plazas



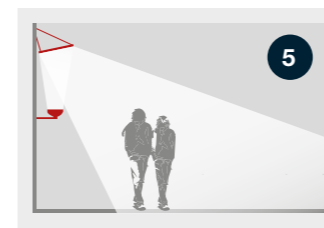
**PL52** – for multi-lane roads



**PL61** – for normal roads



**RS17** – for illuminating objects and buildings



**RS05** – for indoor secondary reflector systems



**RS08** – for illuminating objects, buildings and arenas



# Floodlight 20 at a glance

## Product matrix Floodlight 20 range

### Floodlight 20 maxi power

**Applications:**

- Container terminals
- Parking lots
- Illumination of buildings
- Sports grounds (small and large playing fields)
- Arenas



**Lumen packages**  
83,790 to 124,000 lm  
**Mounting heights**  
> 14 m  
**Service life**  
up to 75,000 h

**Light distributions**  
(see below)



**Optic concept**  
lens-based  
**Inclination options**  
Support bracket with  $\pm 170^\circ$   
**Mounting**  
Support bracket



**Protection rating**  
IP66  
**Insulation class**  
I



**Light colors**  
3000/4000/5000K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 138 lm/W

### Floodlight 20 maxi performance

**Applications:**

- Container terminals
- Parking lots
- Illumination of buildings
- Sports grounds (small and large playing fields)
- Arenas



**Lumen packages**  
77,690 to 109,630 lm  
**Mounting heights**  
> 14 m  
**Service life**  
up to 75,000 h

**Light distributions**  
(see below)

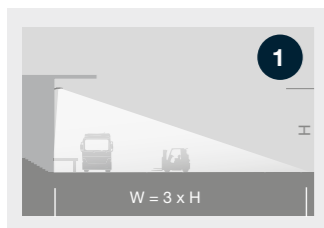


**Optic concept**  
lens-based  
**Inclination options**  
Support bracket with  $\pm 170^\circ$   
**Mounting**  
Support bracket

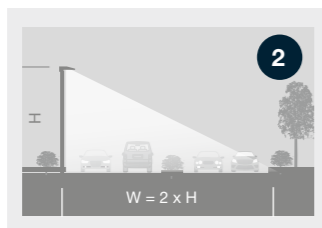
**Protection rating**  
IP66  
**Insulation class**  
I

**Light colors**  
3000/4000/5000K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 144 lm/W

## Light distributions



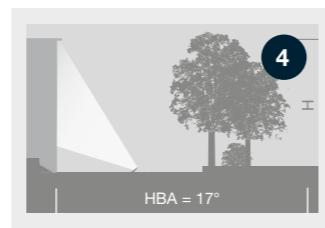
**PL43** – for narrow distribution illumination of plazas



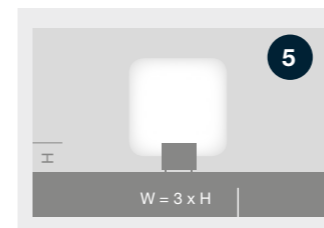
**PL52** – for multi-lane roads



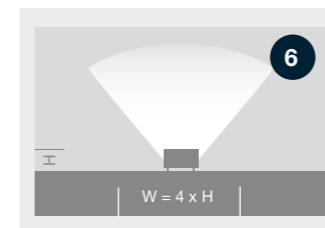
**PL61** – for normal roads



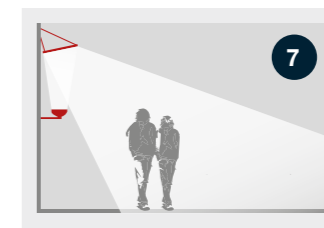
**RS17** – for illuminating objects and buildings



**PL33** – for narrow distribution illumination of plazas



**PL44T** – for illuminating corners



**RS05** – for indoor secondary reflector systems



**RS08** – for illuminating objects, buildings and arenas



# Floodlight 20 at a glance

Product matrix Floodlight 20 range

**Floodlight 20  
maxi longlife**

**Applications:**

- Container terminals
- Parking lots
- Illumination of buildings



**Lumen packages**  
68,030 to 94,660 lm  
**Mounting heights**  
> 14 m  
**Service life**  
up to 100,000 h

**Light distributions**  
(see below)



**Optic concept**  
lens-based  
**Inclination options**  
Support bracket with  $\pm 170^\circ$   
**Mounting**  
Support bracket



**Protection rating**  
IP66  
**Insulation class**  
I

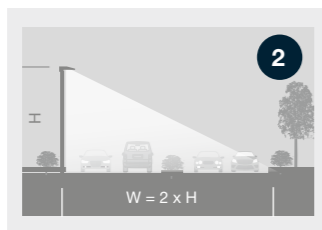


**Light colors**  
3000/4000/5000K  
**Color rendering**  
CRI > 70/80  
**Luminaire luminous efficacy**  
up to 150lm/W

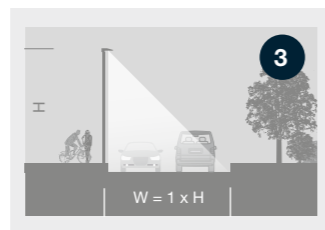
Light distributions



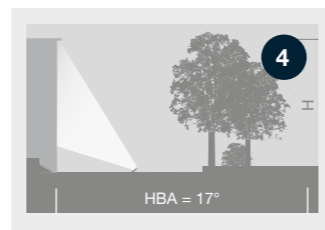
**PL43** – for narrow distribution illumination of plazas



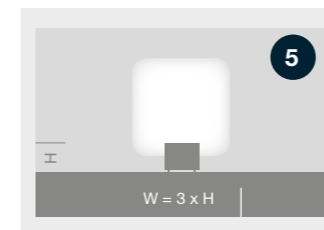
**PL52** – for multi-lane roads



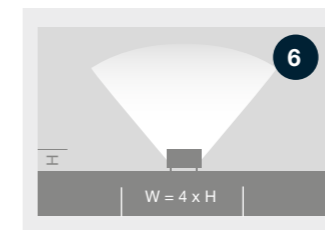
**PL61** – for normal roads



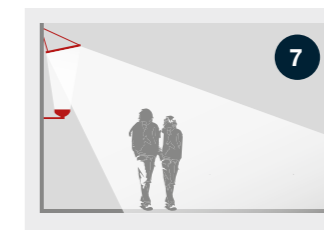
**RS17** – for illuminating objects and buildings



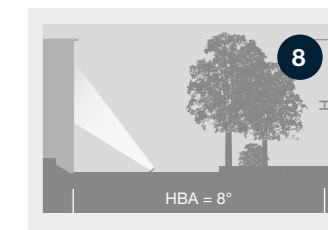
**PL33** – for narrow distribution illumination of plazas



**PL44T** – for illuminating corners



**RS05** – for indoor secondary reflector systems



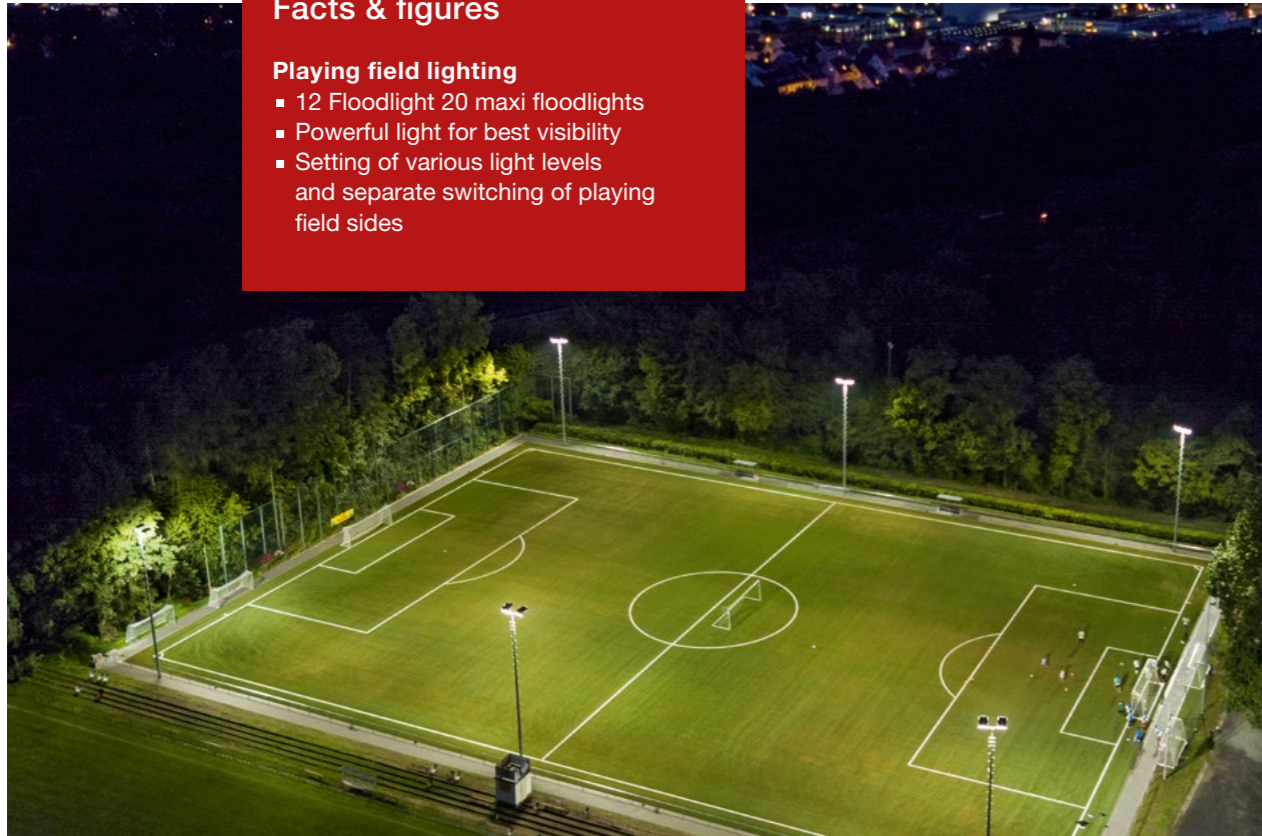
**RS08** – for illuminating objects, buildings and arenas



**Facts & figures**

**Playing field lighting**

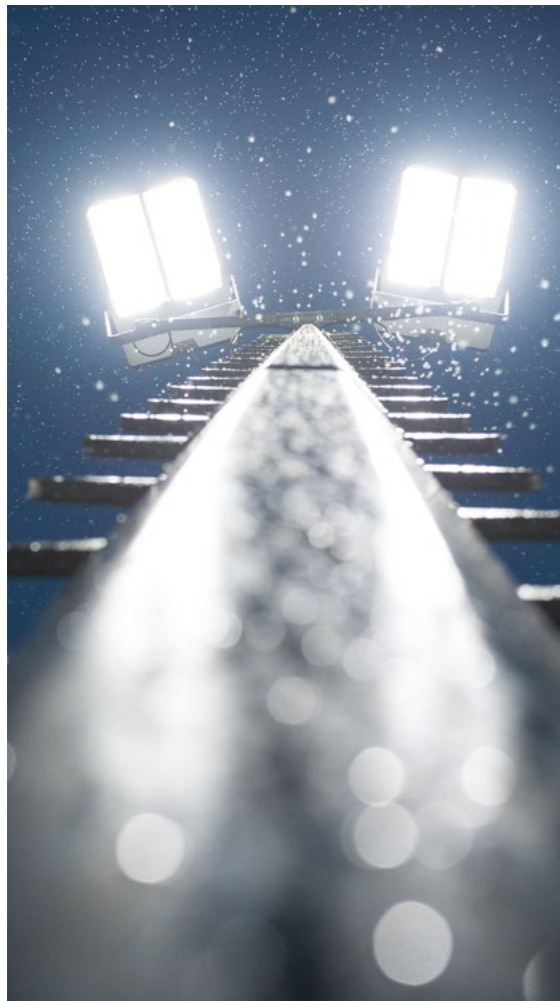
- 12 Floodlight 20 maxi floodlights
- Powerful light for best visibility
- Setting of various light levels and separate switching of playing field sides



# Floodlight 20 maxi 1st FC Hochstadt

Along with its new artificial turf, the 1st FC 1911 Hochstadt invested in new LED lighting and now advances into a completely new league in terms of efficiency.

With twelve new Floodlight 20 maxi floodlights from SITECO, the historical football club now not only achieves higher levels of lighting but also benefits in terms of economic efficiency. In consultation with the client, the system was designed in such a way that the pitch halves can be separately switched and each operated at half the illuminance, for example for normal running training. Match days in Hochstadt are now simultaneously a viewing date for other clubs regarding how to design first-class sports facilities with light. Standard systems in accordance with DIN EN 12193 class III can already be upgraded today with eight Floodlight 20 maxi luminaires to comply with standards.



Floodlight 20 micro



Floodlight 20 mini



Floodlight 20 midi



Floodlight 20 maxi

> to the project

# SIRIUS® Floodlights for primetime

Sports and event lighting in one system – with SIRIUS®. The floodlight that sets new standards in lighting technology and is ideal for use in multi-purpose halls, arenas and World Cup stadiums.

Great moments need perfect light: SIRIUS®. This floodlight solution exceeds all current FIFA and UEFA standards and has the best Television Lighting Consistency Index in its class. In short, SIRIUS® delivers flicker-free super slow motion and brilliant TV images in Ultra HD and 8K. And up to 40 percent more efficiently than conventional solutions.

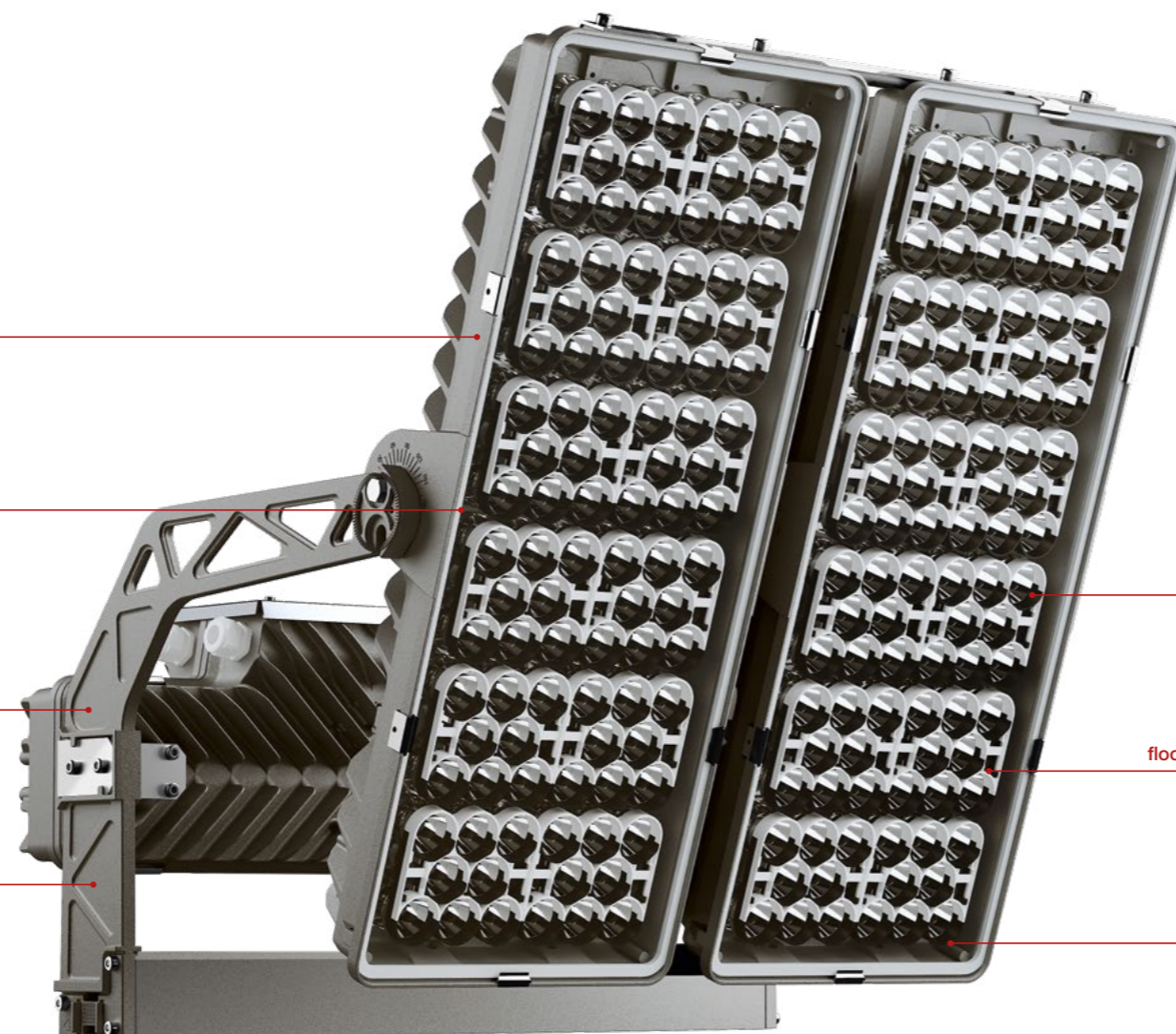
As a full cut-off floodlight, SIRIUS® has particularly high glare control and perfect focusing of light. The night sky is protected from light pollution while spectators have an even better sight of sports and events. Integrated DMX control and dynamic light complete the performance spectrum of SIRIUS®. For emotional moments on and off the playing field.

**Extremely robust** high vibration stability (tested with more than 520,000 strokes), dust-tight and waterproof IP66, extremely high IK10 impact resistance, protected to insulation class I

**Perfect visibility** maximum glare control due to full cut-off technology

**Low energy consumption and long service life** due to temperature-dependent constant luminous flux tracking with CLO 2.0

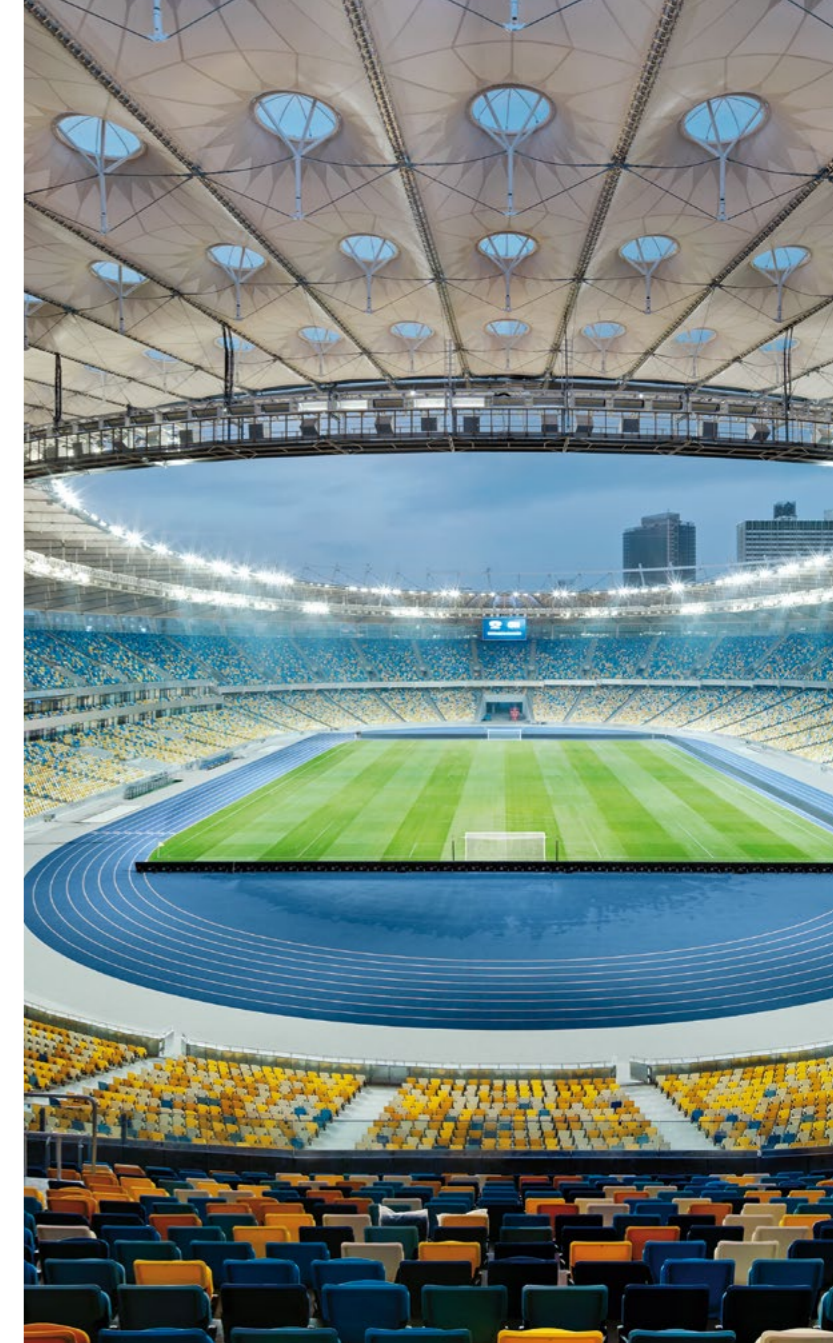
**Simplified maintenance planning** due to predictive maintenance functionality



**Highly efficient** due to silver reflectors

**Significant reduction in the number of floodlights** compared to the market standard

**Higher light level and quality** with direct replacement of classic floodlights



Olympic Stadium, Kiev, Ukraine

# Intelligent lighting control: Smart systems for cities and companies

Energy saving and more: Your advantages with modern lighting control

For a long time, energy savings were the decisive factor for installing intelligent lighting control. However, increasingly efficient hardware and software solutions are now giving cities and companies the opportunity to use integrated control and monitoring solutions to achieve safety and

sustainability goals. The basis for this: "intelligent lighting control" with sensors and interfaces to existing municipal systems, for example traffic computers and inventory databases, and always tailor-made for individual requirements.

## The four main advantages of modern lighting control

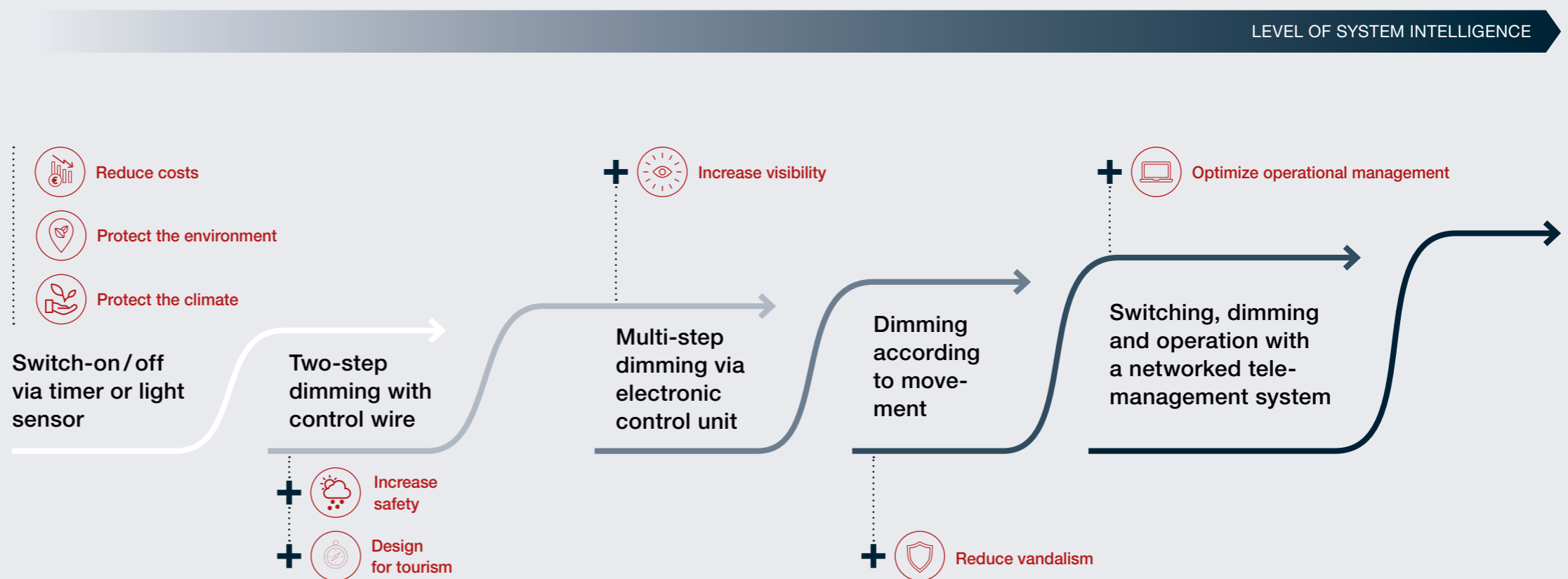
-  **Energy efficiency** improvements via dimming according to requirements
-  **Safety** for people, in traffic and against vandalism
-  **Sustainability** via the protection of ecological resources and the animal world
-  **Optimized operational management** via current diagnostic data and documented systems



### The benefits of modern lighting control are extensive

- **Reduce costs:**  
Dimming and temporary switching off save energy and increase the service life of the luminaire
- **Protect the environment:**  
Targeted dimming reduces light pollution and protects flora and fauna
- **Protect the climate:**  
Improved CO<sub>2</sub> balance through dimming at low-traffic times in parks and industrial estates
- **Increase visibility:**  
Lighting levels controlled according to time and situation for better visibility at night
- **Increase safety:**  
Illuminance levels modified to traffic, weather and events increase safety and security
- **Design for tourism:**  
Timed lighting levels emphasize landmarks and attractive architecture
- **Reduce vandalism:**  
Movement-related increases in illuminance protect your facilities
- **Optimize operational management:**  
Central documentation, switching, monitoring and diagnosis of the system enables the planned, targeted deployment of technicians, e.g. in the event of damage

### How advantages become technical reality



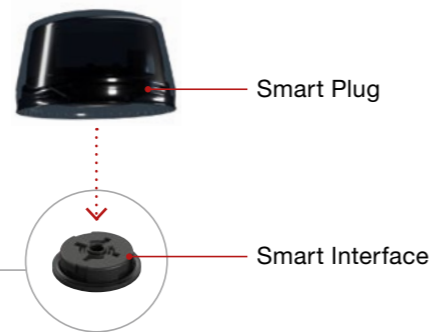
# Telemangement: Simple, secure and flexible thanks to SITECO's Smart Interface

The new standard for your technological flexibility

Central control of lighting systems – as offered by modern telemangement. SITECO customers have additional advantages with immediate effect: With the Smart Interface, SITECO is equipping its outdoor luminaires with a standardized interface compliant to Zhaga Book 18. This means in future operators will be able to fit their telemangement system to the luminaire themselves, and lighting controls which are also designed according to Zhaga Book 18 can be connected to the luminaire simply and without further modifications.

**Your advantages:**

- **Future-proof:** SITECO luminaires with Smart Interface prepare operators for the future use of a telemangement system.
- **Flexible:** The time of retrofitting a telemangement system is freely selectable and easy to implement. Thanks to the integrated, standardized interface, the Smart Plugs can be connected to the luminaire without any additional tool.
- **Independent:** SITECO customers will find many telemangement system providers on the market. With the Zhaga standard they remain independent in their selection, and can even simply test several systems on location and exchange between individual luminaires as required.



**What is Zhaga?**

Zhaga is a global consortium of companies in the lighting industry. It standardizes essential LED luminaire components in specific books, the "Zhaga Books". Zhaga Book 18 defines the interface between a Smart Interface on the one hand and a Smart Plug on the other.

# LumIdent: Lighting data management in the digital age

Our concept for simple commissioning and management of your luminaire infrastructure

The larger, more complex and more individual a lighting system is, the more important it becomes to have structured inventory and system management as well as simple tools for operating and setting the luminaires.

SITECO provides a state of the art set of tools for precisely such tasks in the form of LumIdent: The LumIdent QR code for quick information on luminaire type and basic data, the app for setting e.g. the dimming level, and the web tool for viewing the lighting system documentation on a PC.

<p><b>At a glance:</b></p>	<p><b>Information</b> Determine luminaire type and equipment with the QR code, e.g. the light distribution</p>	<p><b>Setting</b> Reset the luminaire with the app, e.g. modify the dimming level</p>	<p><b>Diagnostics</b> Locate errors and track implemented settings, e.g. dimming level</p>	<p><b>Management</b> Gain an improved overview of the system with the luminaire registry</p>
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**LumIdent QR code**

- Quickly identify luminaires via QR code
- View electronic data sheet
- With common QR code app or LumIdent app

**LumIdent app**

- View & change luminaire settings
- Digitize luminaire inventory & create luminaire registry
- Diagnose errors

**LumIdent web tool**

- View captured luminaires on a PC
- Table or map view
- Export captured luminaires as file



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