



# Street LEDGINE

CitySpirit Street - CitySoul - MileWide

**PHILIPS**  
sense and simplicity



## Street LEDGINE

The unique Philips solutions for LED street lighting, which fulfill all requirements:

- Long-lasting design
- Complete solution with masts and brackets
- Suitable for all urban street lighting applications
  
- Future-proof
- Substantial energy savings compared with traditional systems
- Serviceable & upgradable
  
- Environmentally conscious
- Respecting the dark sky



## CitySoul LEDGINE

CitySoul is a family of modular street-lighting luminaires, featuring state-of-the-art lighting technologies and offering outstanding optical performance.

The simple, flat, ellipsoidal form of the luminaire functions as an elegant and decorative light-point, which can be applied in various ways to a broad range of bracket designs, making it a tool for shaping a city's identity.

The design and performance are suitable for any application, from city centers and squares to major and minor roads and boulevards. The two sizes are compact for visual discretion, and can be adapted to different mounting heights.

The bracket range provides a broad palette to satisfy the different lighting and visual characteristics within a city.

The internal architecture of CitySoul makes maintenance very simple, and recyclability of the entire luminaire has been taken into account.

### **Range**

It is not enough to simply supply light. These days, cities are looking for solutions that are not just made up of light-points, but actually contribute to their identity. For CitySoul we have designed several ranges of elegant masts and brackets, to suit every style. Modern or classical, single or twin bracket, with an optional mini pedestrian luminaire – CitySoul is highly versatile.



Suspended version

Architectural brackets

Modern brackets



## CitySpirit Street LEDGINE

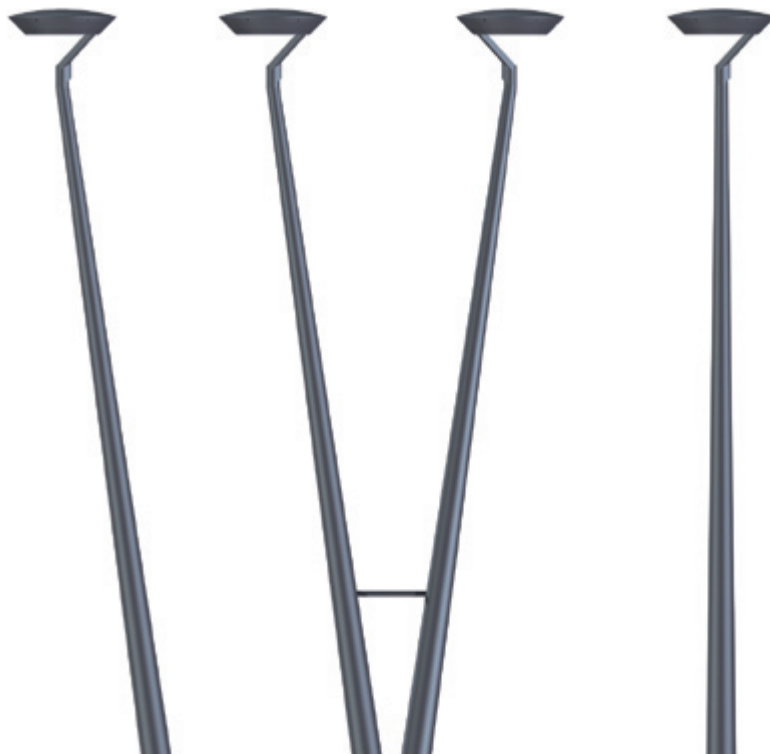
CitySpirit Street combines a distinctive design with high-quality street lighting. This combination makes it suitable for city centers, squares, boulevards and, of course, streets.

In accordance with the latest requirements, CitySpirit Street is assembled without glue, with all plastic parts coded for traceability, making it easy to recycle and compliant with RoHS.

In addition, installation is easy and straightforward, as is the tool-less maintenance.

### **Range**

To ensure perfect integration in the urban architecture, the luminaire and mast have been developed as one complete design.





## MileWide LEDGINE

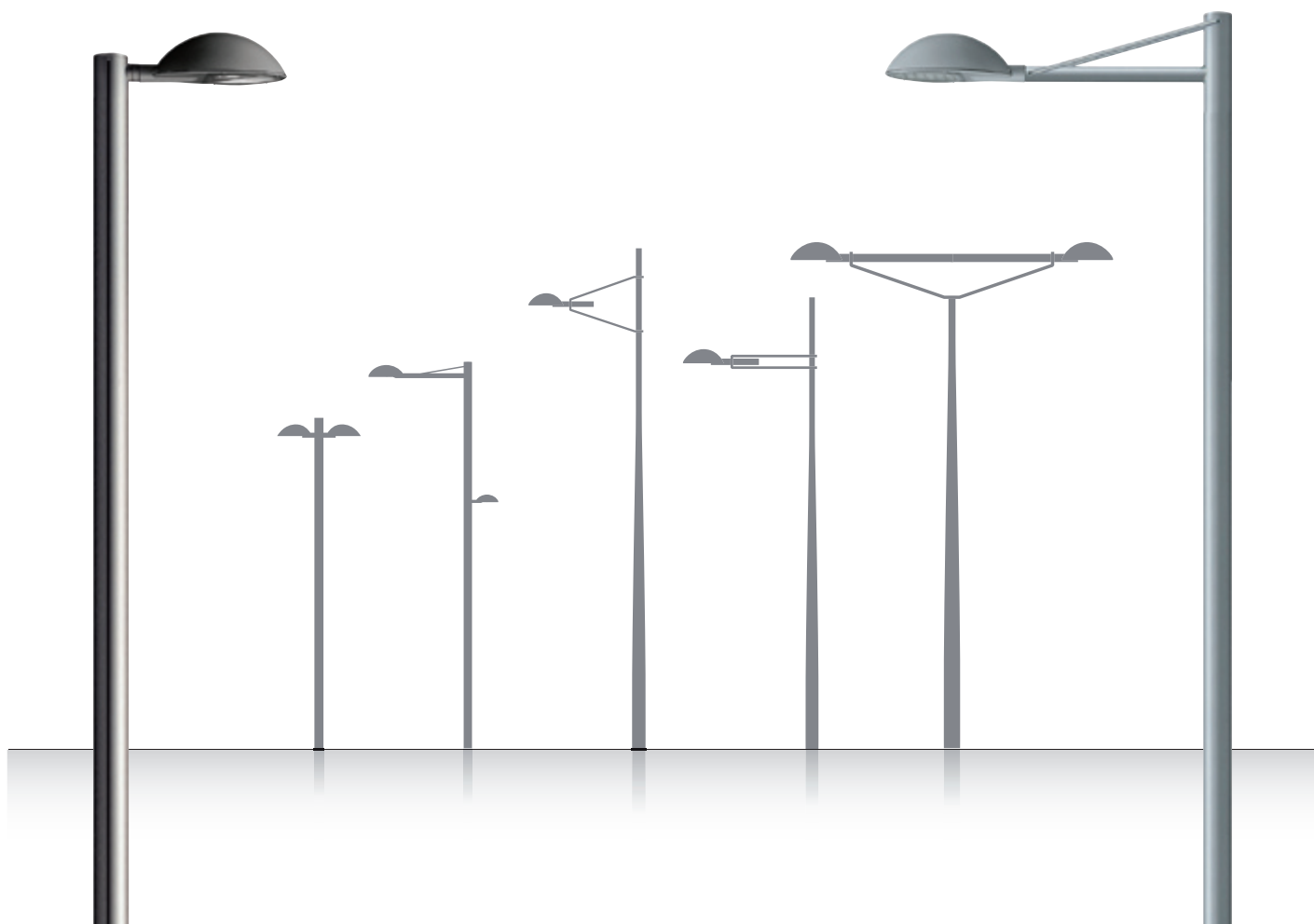
Blending clean, simple design and high performance, Milewide is a pure, contemporary street-lighting luminaire family. It has been designed in collaboration with Knud Holscher (Denmark), with dedicated masts and brackets to ensure perfect integration in today's cityscape. Its design and performance make it suitable for a wide range of applications, from major roads to city centers.

### **Range**

The dedicated masts and brackets have been developed to suit all MileWide sizes up to a mounting height of 12 m. The luminaire is fixed either on a mini-bracket directly onto the mast or on a 1000 mm bracket with retaining cable.

The pure design of these masts and brackets harmonizes with the generous curves of the luminaires, creating a delicate ensemble.







# LEDGINE

All three ranges are fitted with the LEDGINE platform.



# LEDGINE



### Energy saving

Save energy compared to traditional solutions



### Upgradeable

Be future-proof



### Serviceable

Be easily serviceable



### Lighting Quality

Maintain great lighting quality over lifetime



### Preference / Strategy

Have the right light color



### Multi Application

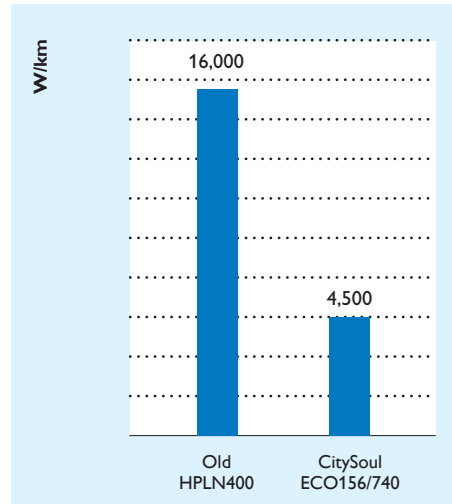
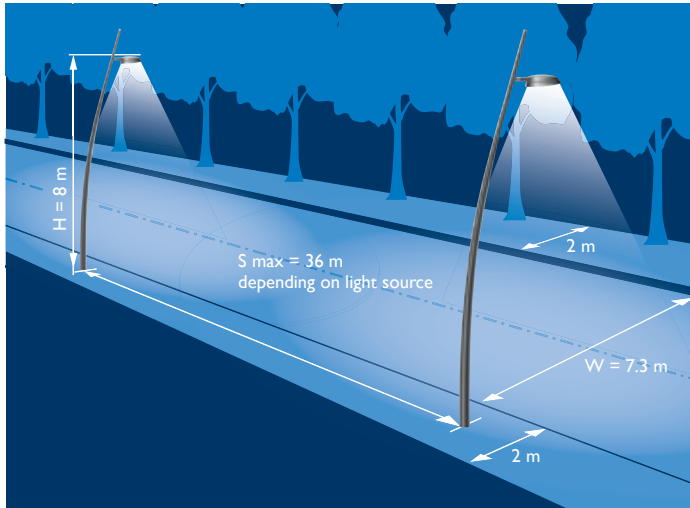
Cover all road and street-lighting applications

# Energy saving

Up to 80% energy saving over an old HPL installation



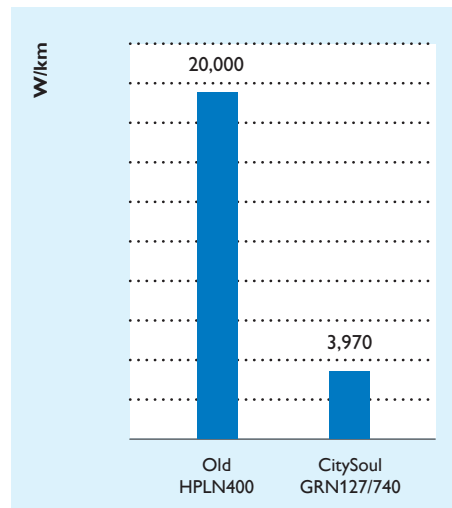
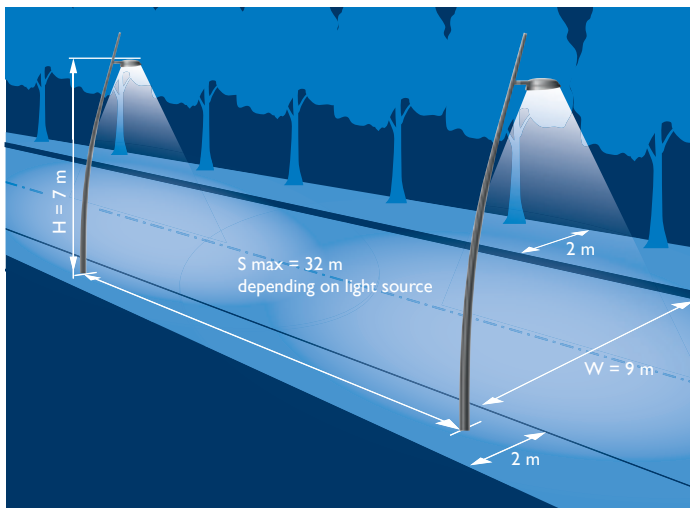
Energy Saving



### CitySoul

#### on application

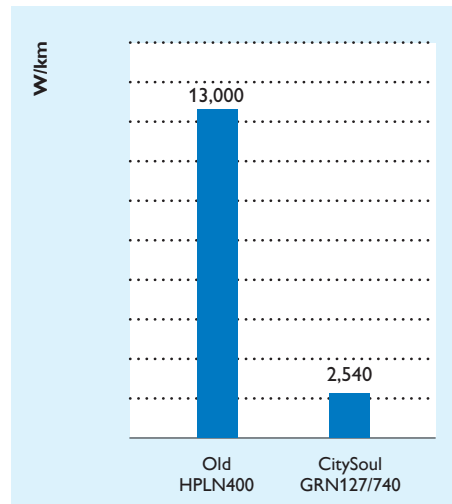
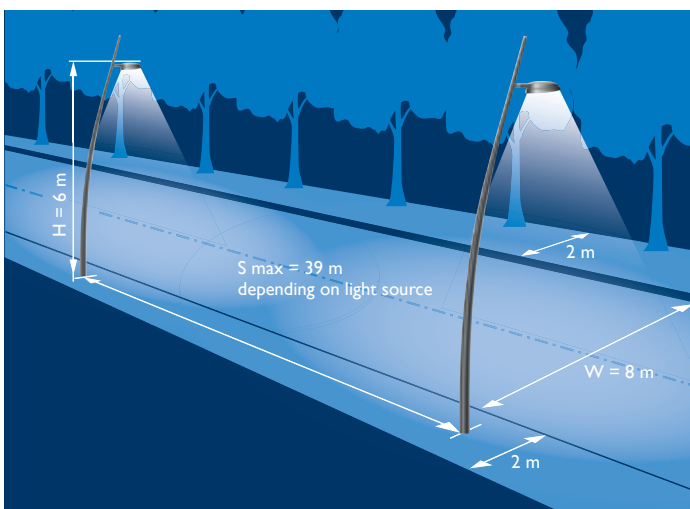
- Lighting class: ME3a ( $\geq 1.0\text{ cd/m}^2$ )
- Carriageway: single
- Number of lanes: 2
- Adjacent pavements on each side



### CitySoul

#### on application

- Lighting class: CE2
- Carriageway: single
- Number of lanes: 3
- Adjacent pavements on each side



### CitySoul

#### on application

- Lighting class: S2
- Carriageway: single
- Number of lanes: 1
- Adjacent pavements on each side

# Future-proof



Upgradeable

## Future-proof, retro-compatible

LED technology is expected to evolve fast in the coming years, with energy efficiency increasing. Our LEDGINE will continuously be upgraded to the best LEDs to allow you to get the best out of it. And it can also be retrofitted to previous generations.

## Maximum energy saving

To take advantage of the increasing energy-saving possibilities that LEDs offer, our system can be upgraded whenever needed. This will enable you to reduce the number of LEDs and maximize energy savings.

## Greener solution

Only the LED module and driver are replaced – the luminaire stays in place.



## Upgrading traditional fixtures to LEDGINE

There are already many existing installations of CitySoul, MileWide and CitySpirit Street fitted with traditional light sources. Having these products now available with LEDGINE makes it possible to extend these installations with LEDs without needing to change the design.

To make sure the complete installation is future-proof, it is also possible to upgrade HID fixtures to LEDGINE.

## Easy serviceability

If required, both the LED engine and the driver can be replaced without the use of tools.



Serviceable

### Only replace what's needed, when needed

After 60,000 hours only the LED engine and the driver need to be replaced. The luminaire can be left for another 60,000 hours, or more ...

Only the LED module and driver are replaced – the luminaire stays in place.



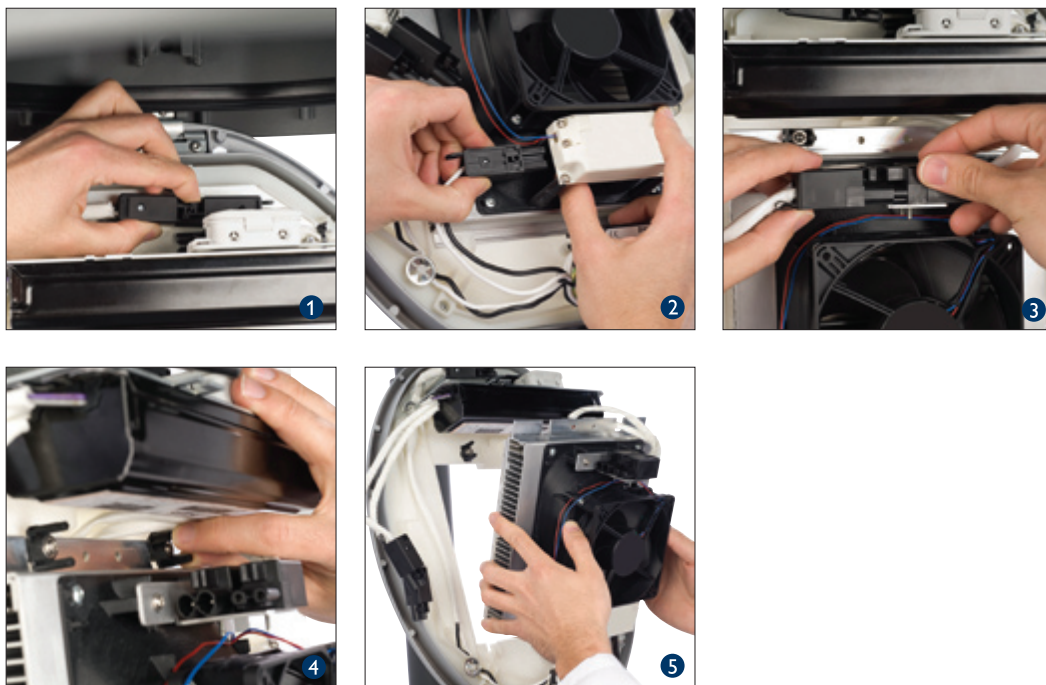
### Tool-less opening of CitySoul LEDGINE

1. One easy clip for opening the luminaire.
2. The frame opens downwards, giving easy access to the complete system.



### Tool-less driver replacement

1. Easy push connectors to disconnect the driver from LEDGINE.
2. A small twist releases the gear tray.
3. Lift and remove the complete gear tray.



#### Tool-less LEDGINE replacement

1. Easy push connectors to disconnect the driver from LEDGINE.
2. Easy push connectors to disconnect the mains from the Active Cooling System (when applicable).
3. Easy push connectors to disconnect the mains and controls.
4. Turning two screws releases the complete LEDGINE.
5. Lift and remove the complete LEDGINE.

# Application Information



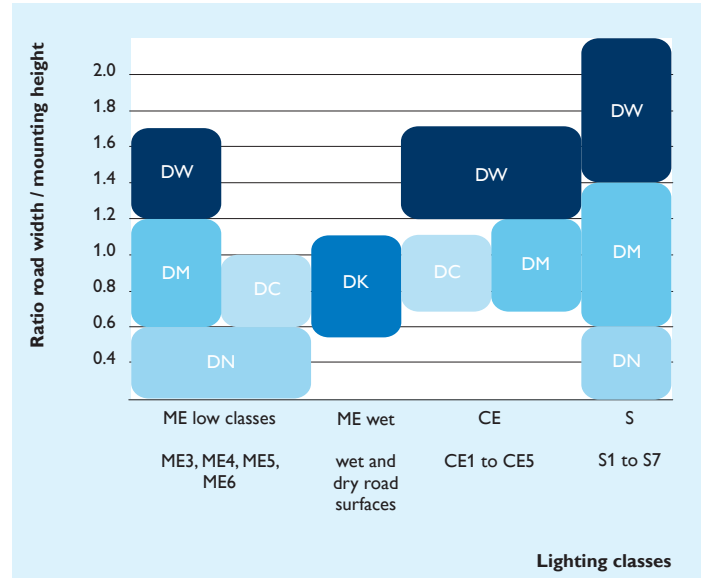
Multi Application

## A wide variety of optics

A wide variety of optics has been created to best match the different applications.

## Covering all classes up to ME2

From pedestrian areas to major roads with one design and multiple optics.

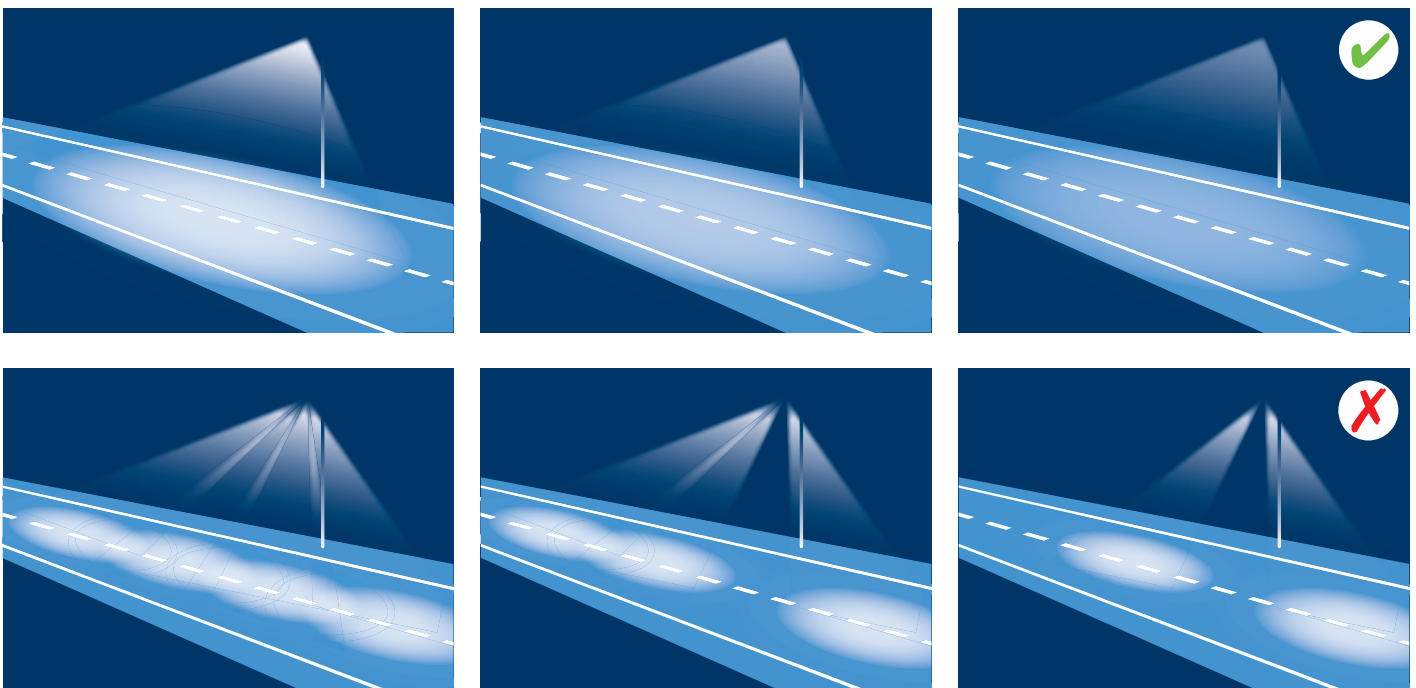


## Maintain the same light distribution during lifetime

Thanks to the multi-layer optics, the light distribution will remain the same during the entire lifetime of the system.



Lighting Quality



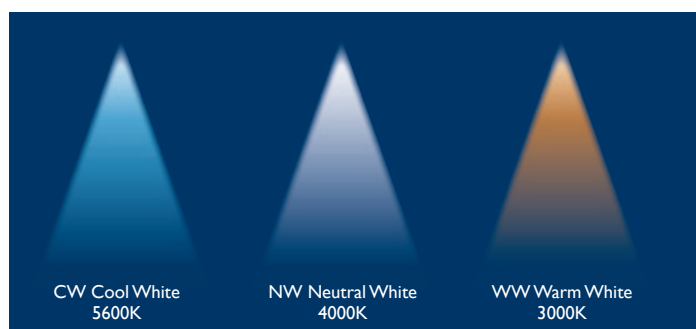




Preference / Strategy

**Flexible in light color**

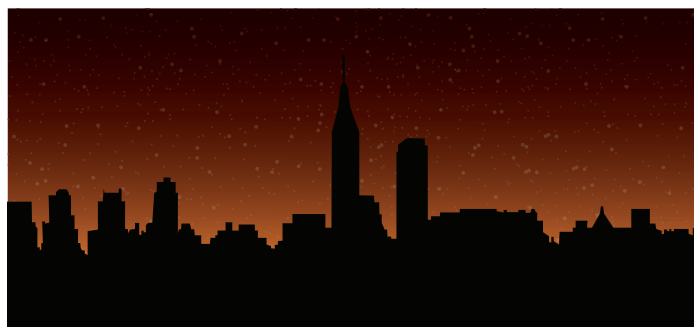
Based on market preferences, LEDGINE can be ordered in Warm, Neutral and Cool White (3000, 4000 and 5600 K respectively).



**Respecting the dark sky**

To minimize light pollution and preserve the dark sky, the optics have been designed in such a way that no light is sent upwards.

**From this...**



**...to this**



# Lighting controls



Xtreme driver



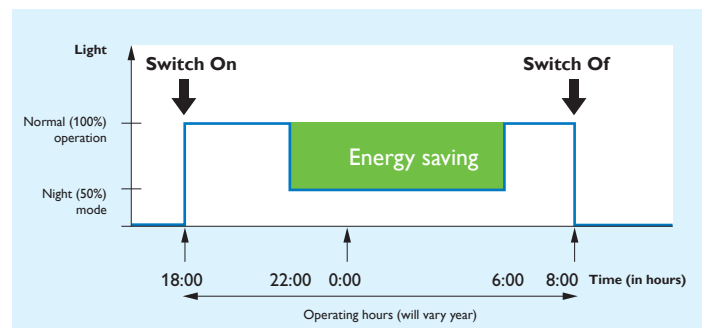
RF antenna



Telemangement software

New Philips eHID Xtreme drivers and LED technology offer the freedom to adjust the light level of the Street LEDGINE luminaires precisely according to the application in order to maximize energy savings.

With electronic and LED technology, a fixed-output solution no longer makes sense. Very simple stand-alone control devices such as Lumistep or Dynadimmer will give you up to 20% energy savings.



Networked control devices will improve the energy savings even further (up to 40% versus fixed output), e.g. group management systems (mains dimming, AmpLight ...) or our state-of-the-art control systems: telemangement via RF antenna or OLC (Outdoor Luminaire Controller), allowing each individual light point to be fully controlled and monitored.

## Controls available in Street LEDGINE

Control system	User benefits	Control options	User benefits	Energy saving
<b>Networked</b>				
 RF antenna Starsense	To <b>fully control</b> and <b>monitor</b> each <b>individual</b> light point	DALI  1-10V	<ul style="list-style-type: none"> <li>Global universal interface (compatibility)</li> <li>On/Off switching</li> <li>Stepless dimming</li> <li>Provide detailed info on lamp system</li> </ul> <ul style="list-style-type: none"> <li>Simple stepless dimming</li> </ul>	Maximum energy savings up to 40%
 AmpLight Cabinet dimming	To provide <b>Monitoring and control over groups</b> of light points	Mains dimming *  SDU Pilot line *	<ul style="list-style-type: none"> <li>Simple dimming by lowering mains</li> <li>Simple dimming by extra control line</li> </ul>	Energy savings up to 25%
<b>Stand-alone</b>				
	To locally set the <b>right amount</b> of efficient light at the <b>right place</b> at the <b>right time</b>	Light level adjustment Dynadimmer Lumistep	<ul style="list-style-type: none"> <li>Adjust the light level to the application</li> <li>Programmable auto dimming (5 steps)</li> <li>Auto dimming (1 step)</li> </ul>	Energy savings up to 20%

\* For suitable installations only





© 2011 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner.

The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent or other industrial or intellectual property rights.

Document order number: 3222 635 69169

08/2011

Data subject to change.

[www.philips.com/catalog](http://www.philips.com/catalog)