

A photograph of a park with large trees and a path. A modern street lamp with a white dome-shaped light fixture is visible on the right. The scene is bright and green, suggesting a sunny day. The text 'PHILIPS' is in the top left, 'CitySwan LED gen3' is below it, and 'Bring visual guidance and quality to your city' is in the center. A person is walking on the path in the background.

PHILIPS

CitySwan LED gen3

**Bring visual
guidance
and quality
to your city**

Global trends

We are increasingly urban and global

Today 50% of the world's population lives in cities. This is expected to rise to 75% by 2050.

Environmental awareness

Cities want to meet their sustainability goals and reduce light pollution and their impact on the environment.

Cities want to establish identity

Municipalities want to enhance the quality of life, well being of citizens and create comfortable public spaces.

Growing connectivity

There are new opportunities to improve urban life through intelligent lighting part of the IoT eco-system.



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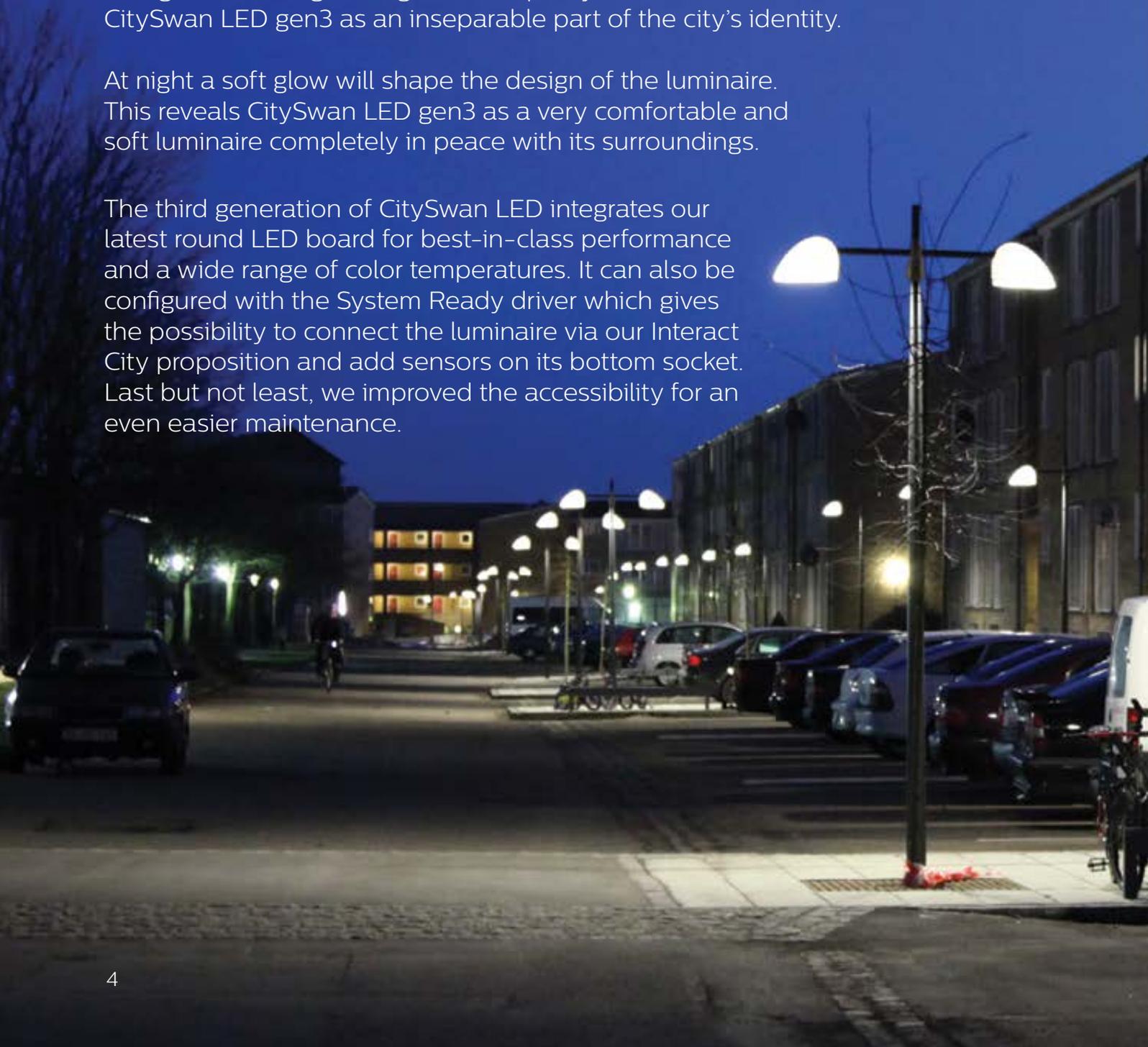
Meet CitySwan LED gen3

Designed by Danish architects Bjarne Schläger and Morten Weeke Borup, CitySwan LED gen3 will fit any city street or park across cities.

The simple and beautiful shape is designed around an ellipsis. This gives a feeling of elegance and purity and render CitySwan LED gen3 as an inseparable part of the city's identity.

At night a soft glow will shape the design of the luminaire. This reveals CitySwan LED gen3 as a very comfortable and soft luminaire completely in peace with its surroundings.

The third generation of CitySwan LED integrates our latest round LED board for best-in-class performance and a wide range of color temperatures. It can also be configured with the System Ready driver which gives the possibility to connect the luminaire via our Interact City proposition and add sensors on its bottom socket. Last but not least, we improved the accessibility for an even easier maintenance.





Explore the possibilities of CitySwan LED gen3



Wide application coverage

Thanks to the built in Philips LEDGine platform, and the wide range of available application-tailored optics, CitySwan LED gen3 luminaire delivers the right amount of light and in the right direction on your street, enabling further energy savings.



High quality of light

CitySwan LED gen3 luminaire delivers comfortable lighting without compromising on visibility and safety. It also offers a wide choice of color temperatures (2200, 2700, 3000 and 4000K) with a good to high color rendering.



Ready for connectivity

The luminaire comes with one or two Philips SR (System Ready) sockets, which make the luminaire future ready. What this means is that CitySwan LED gen3 luminaire is ready to be paired with both standalone and advanced control and lighting software applications such as Interact City from Signify or sensors.



Improved maintenance

Each individual CitySwan LED gen3 luminaire is uniquely identifiable, thanks to the Service tag application. By simply scanning a QR code you can gain instant access to the luminaire configuration and create your digital library of lighting assets and spare parts.

Create the right atmosphere with light ...

The latest generation of the CitySwan LED offers fully balanced, comfortable lighting effects with minimum glare, enabled by a round LED engine, which follows the shape of the luminaire.

CitySwan LED gen3 features a white opal lampshade that makes the luminaire a perceptible object in public space. During nighttime CitySwan illuminates street and space with a soft and functional light. For enhanced guidance there are optional extra LEDs available. Other creative options for city branding can be realized thanks to a great variety of pastel colors for the additional LED lighting. Thus, it is possible to create changing illumination situations and light moods for path or place marking, to emphasize local identities or give urban space an innovative setting.

The luminaire comes with a variety of suspensions and optics, offering maximum freedom in designing lighting for city center and residential area applications.





... customize your city with dynamic uplight

As the needs and roles of cities evolve, requirements towards lighting are also changing. Beyond illumination, cities want to create their own signature, emphasizing on their unique character.

Thanks to dynamic RGBW you can remotely customize your city's lighting to any color of your choice via the dedicated app. Our dynamic RGBW Android app gives you the possibility to specify colors based on a calendar and assign your choices to selected group(s) of luminaires. Whether you want to celebrate New Year's Eve, dress up for Halloween or raise awareness on a social issue we are here to help you light up your city for any occasion. Dynamic RGBW will not only create a unique atmosphere relevant to every event but it can also guide both citizens and tourists to the exact location.

... let your city shine with glow effect

Lighting needs to do more than just delivering illumination during nighttime. Thanks to glow effect CitySwan LED gen3 offers guidance, comfort and creates a safe environment for every citizen. Glow effect highlights luminaire's elegant design and shape during nighttime. The static glow effect is obtained thanks to spill light from the LED board canopy.







The right style for the right areas





Large version

The luminaire comes in 2 shapes and sizes to offer the perfect match with your application and ensure that the dimensions of the luminaire and pole are well balanced.

The large version will provide a very high-quality image to your project. Your installation will blend harmoniously into its surroundings.

A large choice of suspensions is also available, enabling a variety of mounting options and providing maximum freedom during installation.

Besides the glow versions, CitySwan LED gen3 is also available with the light tight RAL color of your choice. The canopy is molded with a dyed through color powder, so it will not change over time. The luminaire receives a specific marine salt protection on the spigot



Small version

Application areas

In the heart of the city, designed around our Philips round LEDGine platform, CitySwan LED gen3 delivers outstanding levels of lighting and energy performance. CitySwan LED gen3 is part of our Urban Inspiration lighting portfolio with strong focus on the emotional values of lighting:

For every application in the city, we do have several solutions to really inspire and enhance your city, while meeting your demands and beyond.

- create ambiance
- enhancing well-being
- promoting tourism and heritage
- increase the livability in the city

Residential area

- Residential street
- Cycle path and footpath
- Square, park and playground
- Parking area



Night life areas

City center

- Side street
- Square, park and playground
- Cycle path and footpath
- Shopping and pedestrian area







Philips round LEDGine

Thanks to the built in Philips LEDGine round platform, and the wide range of available application-tailored optics, CitySwan LED gen3 delivers the right amount of light and in the right direction on your street, enabling further energy savings.



Improved light distribution ensures a perfect fit for every application. The optics offer flexibility, enabling standardization over applications with outstanding performance across a wide range of geometries – as well as design parameters such as overhang. They are easy to use, and distribution remains the same, so even after a LED upgrade you are assured of design continuity. The optics comply with national and European road lighting standards.



Using a standard engine across key portfolio means you can benefit from the latest LED upgrades to various products without changing light distributions. The flux packages are pre-defined across product ranges, including CLO options. Flux minimization is achieved by using the highest flux package (up to L98) per standard. And for upgrades, the lighting image is continued, and the engine is available for your installed base. Easy configuration is assured thanks to the Service tag.



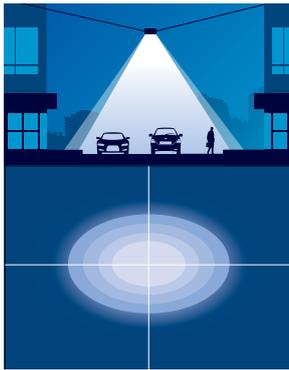
For tuned project solutions, we can support you with the exclusive L-Tune tool. It enables you to build the required flux to ensure the best balance between operational life, maintained flux, energy costs and product type. You can create your own standard by matching requirements to your own policy. For serviceability, the L-Tune program codes are linked to the Service tag.

Portfolio of optics and comfort solutions

6 different optics

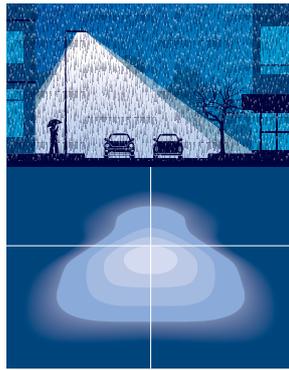
LEDGine optics for Roads and Streets

DSW



Distribution Road Symmetric (for wire suspension)

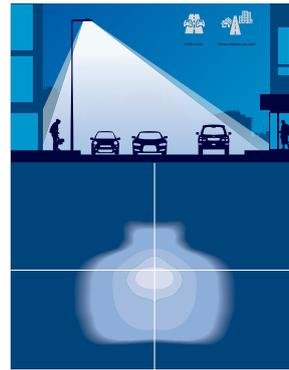
DK



Distribution Wet Road

LEDGine optic for dedicated application areas

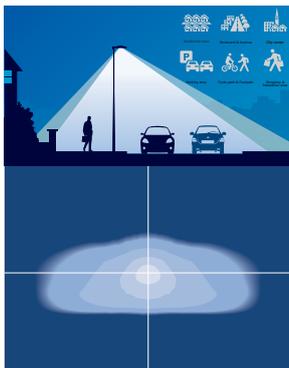
MDA



Distribution Asymmetrical

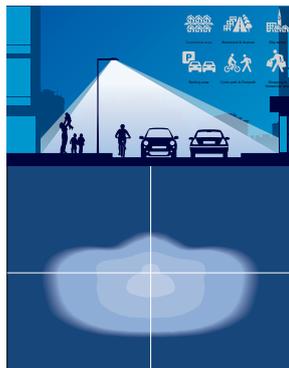
LEDGine optics for Residential Streets

MDW



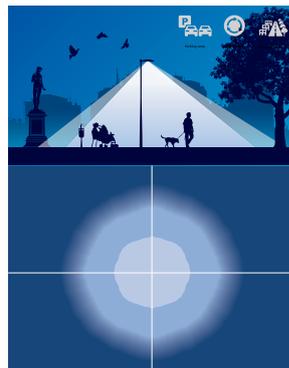
Distribution Street Wide

MDM



Distribution Street Medium

MDS



Distribution Symmetric

Did you know?

The round LEDGine in CitySwan LEDgen3 is slightly lifted to deliver an excellent comfort lighting

On request, CitySwan LED gen3 can be equipped with a round louver to avoid light trespassing back

In applications where lighting comfort is more important than performance (park & plazas and all pedestrian areas) CitySwan LED gen3 can be equipped with a satinice diffuser for best-in-class comfort!



System ready architecture

The digital and smart city era is accelerating fast. To keep pace, cities need luminaires that are not only designed for today's technologies, but are prepared for future advances and upgrades. The System ready architecture gives you a scalable foundation that you can build on whenever your city is ready to opt into new advances in technology. So you can take light beyond illumination into a dynamic world of sensor-rich lighting - whenever you're ready.

Upgrade now or later

CitySwan LED gen3 is a System ready luminaire, coming with universal sockets on each luminaire, so all you have to do is click in controllers or sensors to activate new applications. That means you can install your luminaires today and mount controllers and sensors at a later date - without any hassle.

An open platform

Our System ready luminaires use state-of-the-art architectures and components. Because they are SR certified, they are compatible with all components released in our SR program. This ensures you'll always be ready for the latest innovations that will enable you to get more out of your lighting infrastructure.



Future-proof upgrades

System ready luminaires can be paired with sensors and controllers now or later. A city solution that is completely flexible and scalable.



Plug and play

Designed for hassle-free installation, controllers and sensors can be mounted without opening the luminaire.



Standardized technology

Thanks to Zhaga standardization and the SR certified program, you will have access to preferred technology, allowing you to make use of innovations from different suppliers.



Aesthetic design

The small, unobtrusive form factor can be mounted discreetly on luminaires.



Flexibility

The SR socket can be mounted on the top, or on top and bottom of the luminaire, giving you the flexibility to choose from all sources of sensor applications. The IP66 rating also ensures there is no risk of water ingress.



Open innovation platform

Using this new System ready architecture gives you access to new innovations that could enhance your lighting even further in the future.

Ready to be connected to Interact City

Interact City lighting management software turns your street lighting into a connected network capable of hosting sensors and other IoT enabled devices. It enables you to tap into a wide range of both lighting and non-lighting benefits such as dimming, presence detection, noise, temperature, or incident detection.

For more information about Interact City visit:
www.interact-lighting.com/city

Did you know?

To not alter the beautiful design of CitySwan LED gen3, the optional top SR socket and Interact City node are placed internally



Get more value out of your lighting infrastructure

Control and monitor your street lighting remotely and immediately identify lighting failures using a single dashboard application. With full control of your city lighting you can identify opportunities for further energy savings by dimming, scheduling and zoning. Interact City enables you to reduce CO₂ emissions, meet sustainability targets and reduce costs, enabling you to reinvest the savings into other areas of your city's infrastructure.

The Open API's of the system also allow Interact City lighting management software to be integrated into your other city management systems and allow your existing partners or independent third parties to use it as a platform for future innovation.



Family range and installation overview

From residential streets up to the city center, for renovation and new luminaires, the CitySwan LED gen3 family is the perfect solution. Due to the different mounting possibilities and different design and size propositions, installations varying from 3 up to 8 meters will not be any issue.

CitySwan LED gen3 small





CitySwan LED gen3 Large



Configuration overview



Stand alone

LEDGINE Round
Easily replaceable LED unit
Glow effect (optional)

System Ready

LEDGINE Round
Easily replaceable LED unit
Glow effect (optional)
**2 x SR-connector: top: inside mounted
bottom: mounted in front glass**

Connected

LEDGINE Round
Easily replaceable LED unit
Glow effect (optional)
2 x SR-connector: top: inside mounted
bottom: mounted in front glass
Interact City integrated

Dynamic

LEDGINE Round
Easily replaceable LED unit
Interact City integrated (optional)
Wireless controlled dynamic RGBW upright

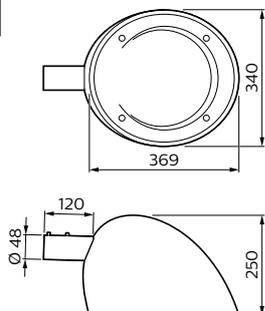
Specifications

	CitySwan LED gen3 small	CitySwan LED gen3 large
Material	Housing: PE; rotational molded Front glass: Tempered flat glass silk screen printed	
Color	Opal white with glow effect or light-tight RAL colors on request	
Marine Salt Protection (MSP)	Yes	
Lumen output	2000 lm to 10000 lm	4000 lm to 14000 lm
Power consumption	12.8W to 106W	28W to 116W
System efficacy	Up to 157 lm/W	
Color temperature	2200, 2700, 3000K or 4000K	
Color Rendering Index (CRI)	>80 (3000K), >70 (2200, 2700, 3000 and 4000K)	
Optics	6 different optics: Distribution Street Medium (MDM), Wide (MDW), Asymmetrical (MDA), Symetric (MDS), Distribution Road Symetric (DSW, for wire suspension) Distribution Wet Road (DK)	
IK- / IP-rating	IK08 / IP66	
Isolation class	Class II (class I on request)	
Surge protection	6 kV (10 kV on request)	
Life time – LED	100.000 h	
Lumen maintenance	L95 to L98	
Life time - driver	100.000 h (0,5% failure / 5.000h)	
Weight	7,3 kg	9,3 kg
Wind area (Scx)	Small = 0,08m ²	Large = 0,21m ²
Mounting types	Post-top ø60 mm ; side entry ø48 or 60 mm; top side-entry 3/4" cylindrical pipe thread	Suspended / single wire ø6-9 mm; top mounted ø60 mm
CLO	Yes	
System Ready (SR) option	Yes	
Top and bottom SR sockets option	Yes	
Control options	Interact City, DALI, Line Switch, DynaDimmer or LumiStep	
RGBW option	Yes	
Comfort accessories	Round Louver / light trespassing back Satin diffuser for comfort	
Operating temperatures	-40°C to +25°C	
Certification	CE	

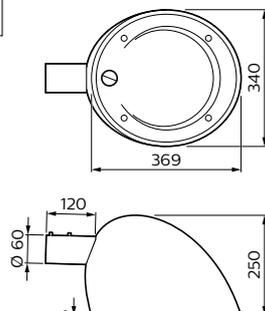
Dimensional drawings



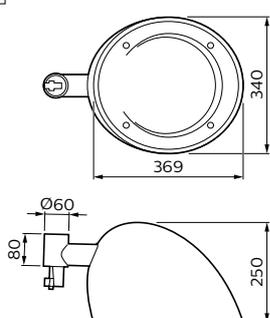
CitySwan LED gen3 small



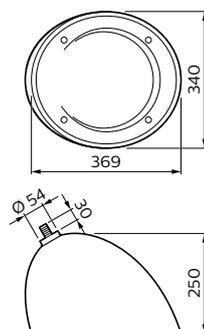
BRS639
Side entry Ø48 mm



BRS639
Side entry Ø60 mm

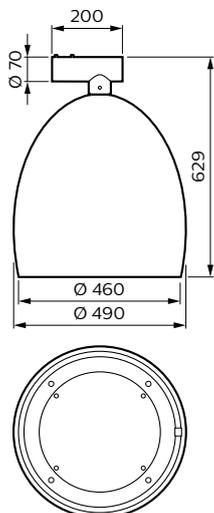
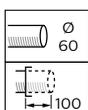


BPS639
Post-top Ø60 mm

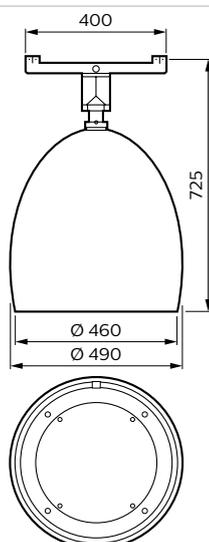


BWS639
Top side-entry 3/4" cylindrical pipe thread for dedicated wall brackets

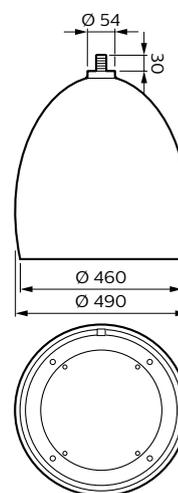
CitySwan LED gen3 large



BDS639
Top mounted Ø60 mm



BSS639
Suspended/single wire Ø6-9 mm

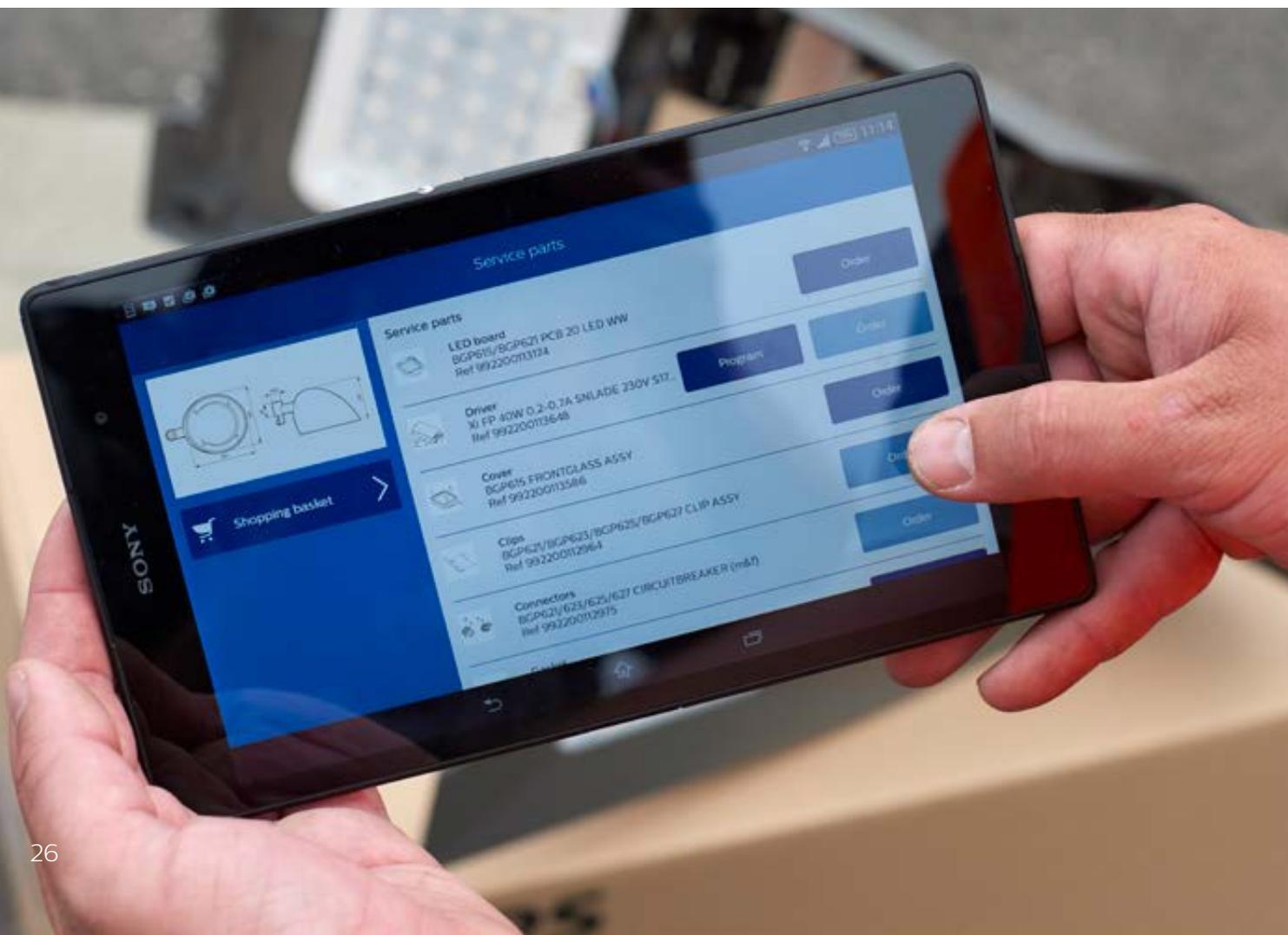


BSS639
Top 3/4" cylindrical pipe (on request)

Service tag for improved serviceability

Since LED luminaires require different competencies and processes serviceability is always on our mind when designing new products. CitySwan LED gen3 family is easily serviceable thanks to our Service tag system. Service tag is a unique QR-based identification system which can be found in individual luminaires and their packaging. Service tag provides 24/7 access to luminaires and spare parts information while it allows on the spot driver reprogramming. Thanks to Service tag maintenance could never be easier.

NEW Late Stage Configuration delivers a flexible on-demand configuration and installation to Philips professional outdoor luminaires in Europe.



Why Service tag?



Simplifies installation and servicing full documentation and data at hand



Register your luminaire with your smartphone



All data is stored in the cloud and actively maintained, always up to date



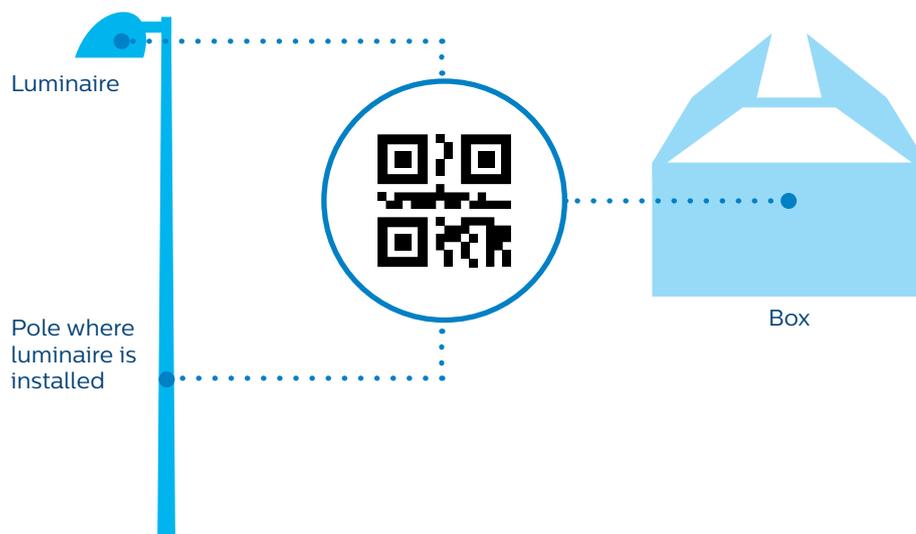
Provides 24/7 access to luminaire and spare parts information



Facilitates spare parts and allows re-programming of drivers on the spot

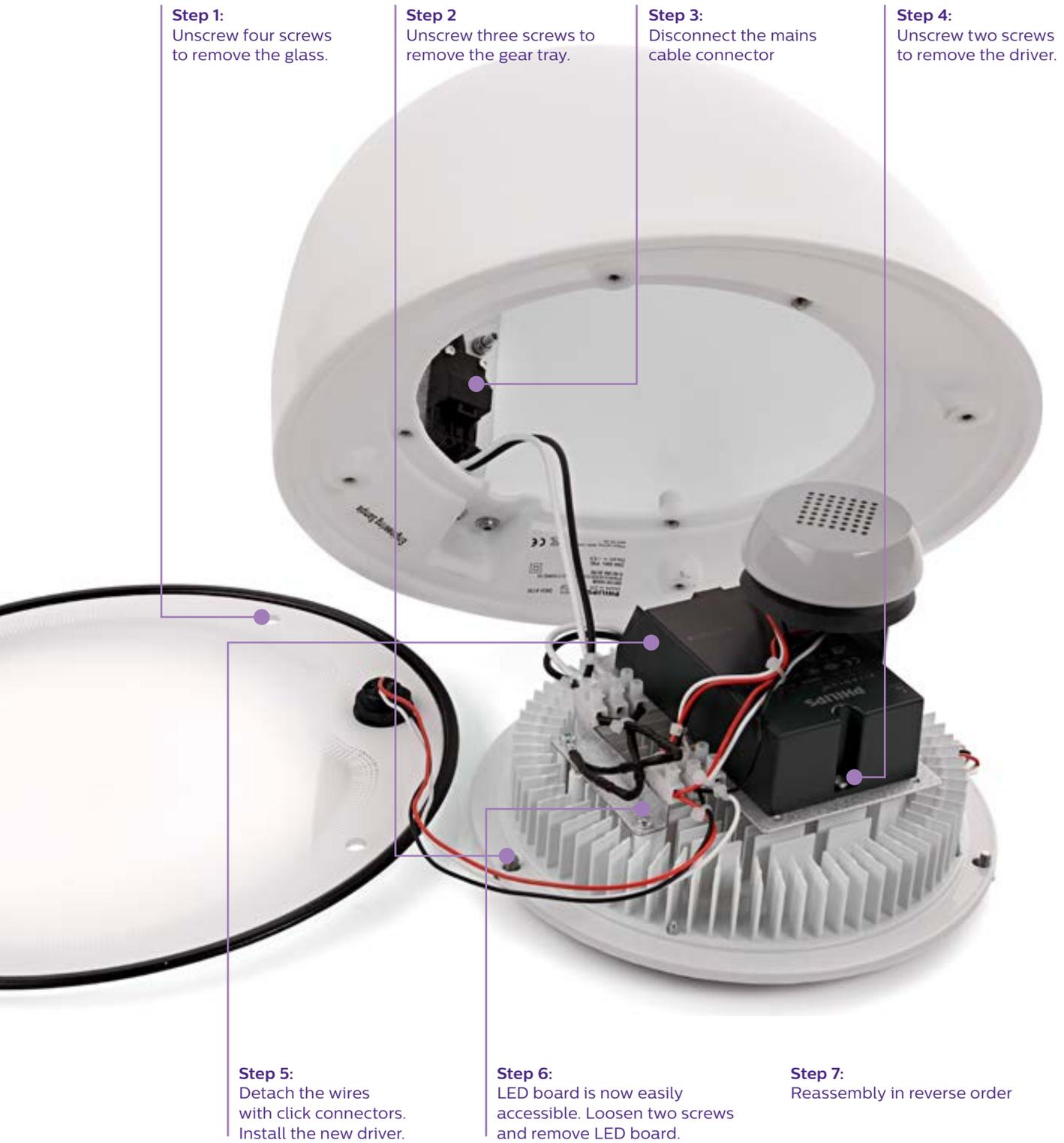
Instant access to procedures, spare part list and programming

This tag features a QR-based identification system that gives you instant access to critical information during unpacking, installation, diagnostics, fault reporting and programming. Simply scan the tag with a smartphone or tablet running the Service tag app, and the contents of the box plus installation information are described. The tag also activates the five-year warranty. To assist in diagnosing breakdowns, scanning the tag provides the troubleshooting guide applicable to that luminaire. Sourcing spare parts and 'one touch' programming of parts to original settings can also be done using the app. It's that simple.



Designed for serviceability





Step 1:
Unscrew four screws
to remove the glass.

Step 2
Unscrew three screws to
remove the gear tray.

Step 3:
Disconnect the mains
cable connector

Step 4:
Unscrew two screws
to remove the driver.

Step 5:
Detach the wires
with click connectors.
Install the new driver.

Step 6:
LED board is now easily
accessible. Loosen two screws
and remove LED board.

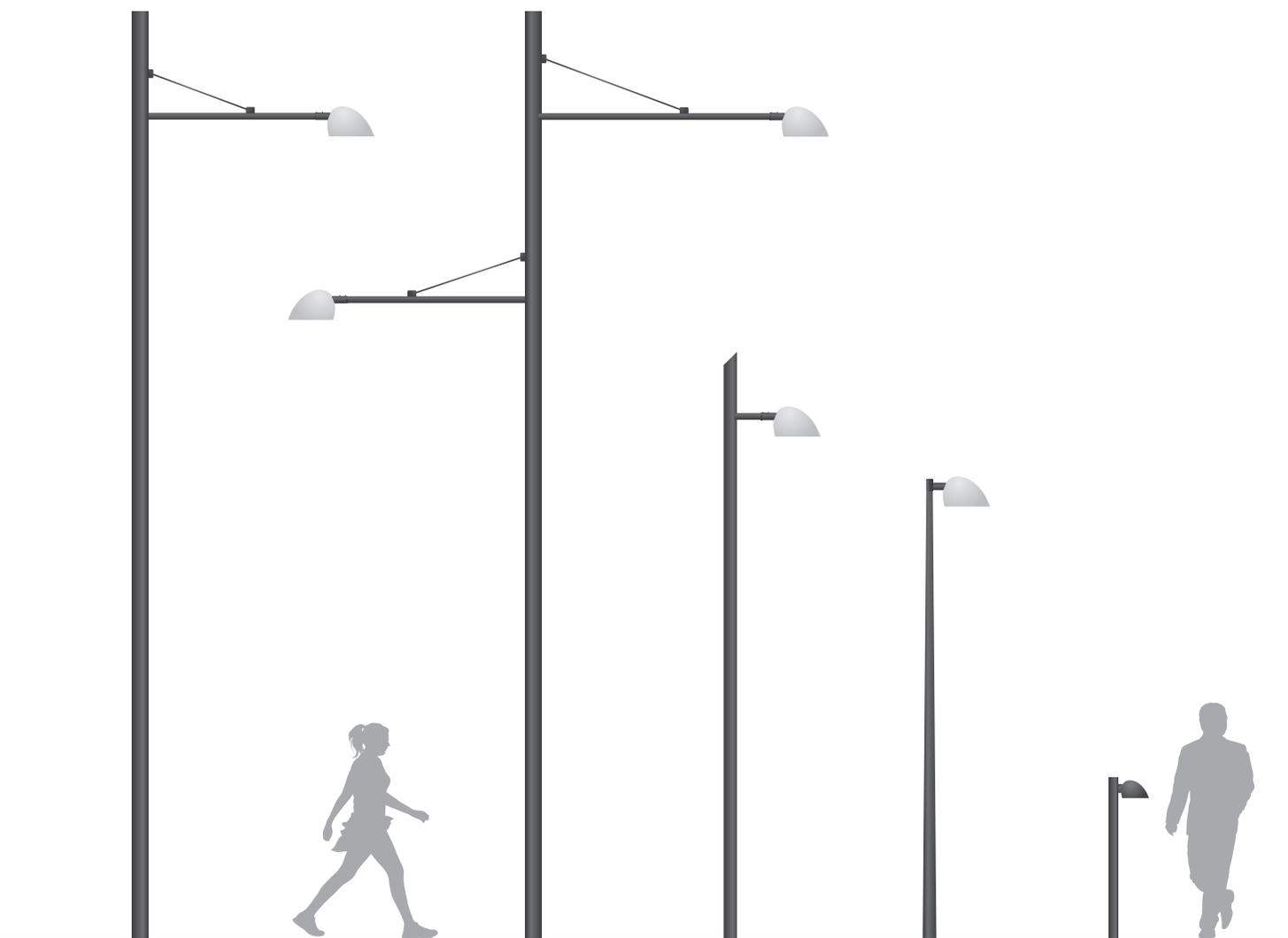
Step 7:
Reassembly in reverse order

Dedicated masts and brackets



CitySwan LED gen3 small





CitySwan High 01
cylindrical mast

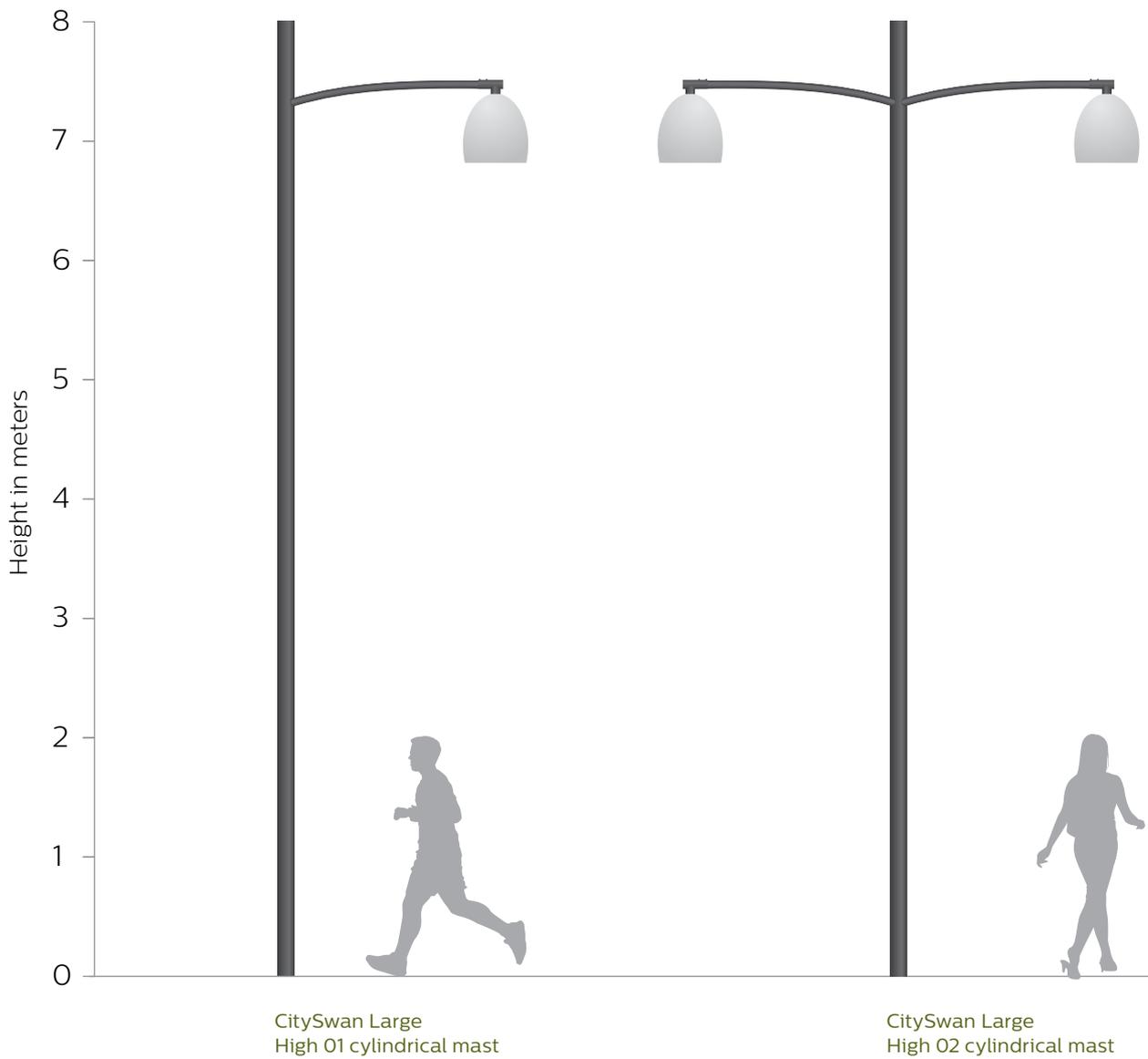
CitySwan High 02
cylindrical mast

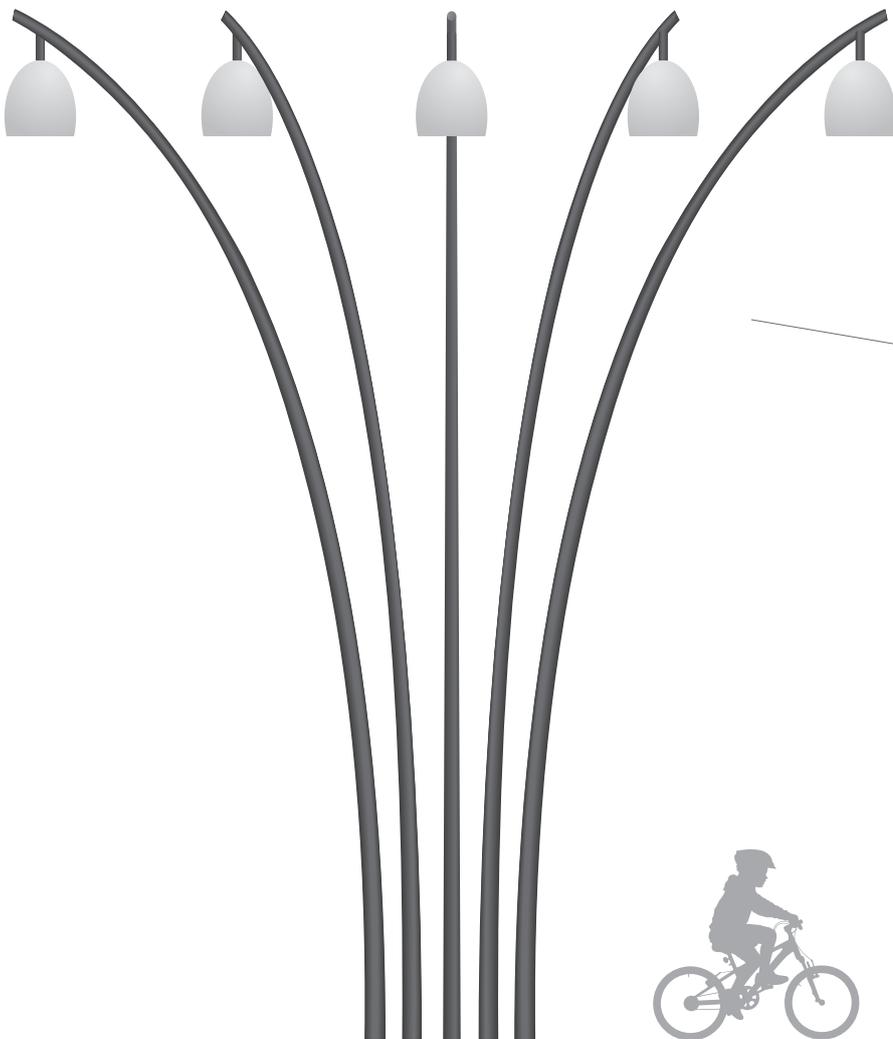
CitySwan Basic
cylindrical mast

CitySwan
Post-top

CitySwan
bollard

CitySwan LED gen3 large





CitySwan Large
suspended

CitySwan Large
High roundabout

