

**PHILIPS**

CitySoul LED gen2

Public lighting



**Bringing  
light and  
ambience**  
to your city

# CitySoul LED gen2

## Lighting as versatile as your city

Your city has many different faces. To complement that versatility, we developed the iconic urban lighting product family: CitySoul LED gen2. Designed to be used as a modular urban-lighting toolbox, the CitySoul LED gen2 range enables endless combinations - so you will always find the perfect solution for your city.

### Designed to please

The elements in the CitySoul LED gen2 family are designed to work together seamlessly. There are different styles to choose from, each of which offers a discreet addition that will complement the look of your city's roads and open spaces.

### Excellence in real-world applications

CitySoul LED gen2 offers best-in-class performance that complies with all relevant international regulations. This helps to make your city's lighting infrastructure as future-proof as possible, with individual elements that are easy to service and materials that are lightweight and durable. CitySoul LED gen2 is compatible with Interact City connected LED lighting system and management software to easily and flexibly manage the city's public lighting infrastructure and significantly reduce all operational costs.



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# Bringing ambience to your city

In public spaces, people respond to the available lighting in different ways at different times and places. The CitySoul LED gen2 street lights apply these insights to help you define an urban area's ambience and energy. With their pleasant round styling, they will blend perfectly into any city center.

## **Versatile Identity**

CitySoul LED gen2 is the most versatile urban street lighting family that we have yet designed. All elements in the CitySoul LED gen2 family were created by the same designer, to improve and maintain visual consistency throughout the range.

The styling is based on a round archetype with beautiful, flush transitions between spigot, luminaire and bracket. This makes CitySoul LED gen2 a complete and versatile urban lighting solution that is both elegant and discreet.

## **Light and luminaire become one**

Our growing understanding of the effects of light on our wellbeing has informed a new generation of lighting designs for public spaces. But often the technology installed to produce this light is still packaged in a traditional, unattractive form.

Thanks to CitySoul LED gen2, you can take urban lighting to the next level. The boundary between natural and artificial light will blur and the street lights themselves will become a natural part of the cityscape.



# Inspire and enhance your city



## Easy urban integration

The CitySoul LED gen2 family is part of our UrbanStyling approach: a modular range in which luminaires, brackets and poles work together as a unified design concept. With flush transitions and clean lines, CitySoul LED gen2 is a discreet, elegant fit for any urban context.



## Comfort & ambience

CitySoul LED gen2 does more than producing the required lighting levels. Thanks to diffusing tool and several light recipes, CitySoul LED gen2 adds a sense of comfort to city lighting and enhances the nighttime ambience.



## Future ready

Excellence in urban lighting is all about state-of-the-art illumination and high energy savings. The CitySoul LED gen2 is connected to Interact City and applies the latest technology to enable sustainable, high-performance lighting solutions.





Public lighting	.....
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# Applications

## A high degree of flexibility

Dedicated to creating an appealing and comfortable atmosphere, the slim, discreet CitySoul LED gen2 range combines design consistency, a high level of lighting performance and a unique color signature. The full range is modular – from poles, brackets and luminaires – and therefore offers a high degree of flexibility, not only in terms of integration with the architectural context, but also in its range of applications.

CitySoul LED gen2 is part of our Urban Inspiration lighting portfolio. It incorporates all the necessary functional aspects of lighting whilst also having a strong focus on the emotional value of light. In this way, it helps to create the right ambience, enhance people's well-being, and make the city more livable. For every application we have a number of solutions that will inspire you and enhance your city, while also fulfilling all your specific requirements.

### Traffic route

- Boulevard & avenue
- Main urban/access road
- Roundabout

### City Center

- Boulevard & avenue
- Side street
- Square, park & playground
- Roundabout
- Cycle path & footpath
- Shopping & pedestrian area
- Parking area
- Public transport area

### Residential area

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







Main urban access road



Residential area

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Parking areas



Side street



Boulevard & avenue



## Right Curve bracket

With its slender shapes and silhouettes, the Right Curve bracket has an attractive aerial feeling that will integrate perfectly into classical environments.







Public lighting  
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## Lyre bracket

Any location where ambience lighting is needed to create a pleasant, comfortable atmosphere is the ideal setting for the Lyre bracket, the Lyre dedicated pole and the CitySoul LED gen2 luminaire.



## East bracket

For modern areas and streets, the East bracket is a perfect fit. With its pure and lean shape, it gives neighborhoods a sophisticated and contemporary feel.



## UrbanWave bracket

A tubular curved shape that looks like a wave and will fit perfectly with CitySoul LED gen2 luminaires in contemporary urban settings.





## Graphic bracket


Designed to reference traditional architectural steel frame structures, the Graphic bracket and CitySoul LED gen2 luminaire offer a modernized look of a typically industrial form factor.



## Ocean curve pole

An elegant curved shape  
with an articulated interface  
dedicated to the luminaire  
and an optional LED top point  
to further highlight a major  
street's design signature.





## Double post-top

This compact and straightforward design is the perfect solution for urban contexts in which performance lighting is the primary requisite.



## Accent brackets and Ocean straight pole

A versatile and stylish solution that can feature up to 4 luminaires mounted in an attractive spiral configuration. The optional LED top point will highlight your environment's design signature at night.





## Catenary

The Catenary bracket allows the CitySoul gen2 LED luminaire to fit into streets and on paths where de-cluttering is a necessity - like shopping districts and car-free zones.





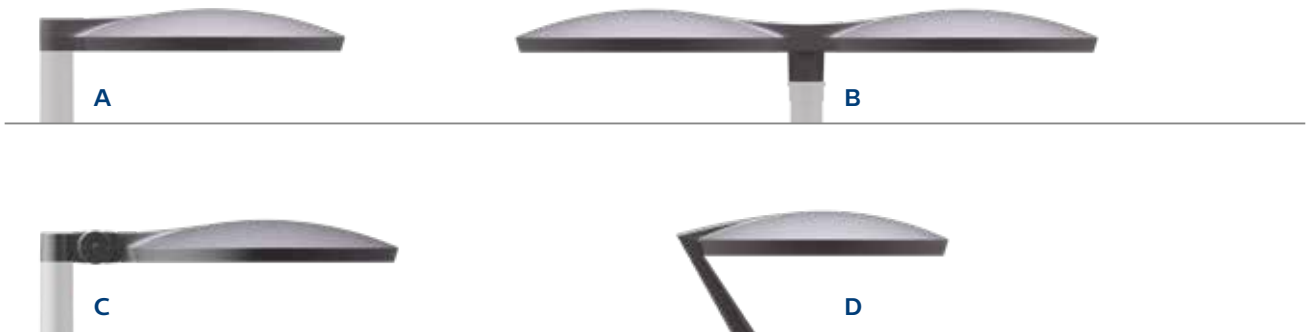
Public lighting	.....
CitySoul LED gen2	.....
<b>Applications</b>	.....

# Family range

The discreet CitySoul LED gen2 is the most versatile urban street lighting family.

CitySoul LED gen2 offers three brackets (Right curve, East, Graphic), for different urban areas. An elegant Lyre for more urban focused applications. And our Accent bracket that allows you to create the most elegant spiral configurations.

## Top mountings



**A** Post-top  
For Ø 60-76 mm

**B** Double post-top  
For Ø 60 mm

**C** MBA mounting  
For Ø 60-76 mm

**D** Lyre  
For Ø 60 mm

## LED count



**A** CitySoul LED gen2 mini  
10/20 LED  
Warm White:  
LED19-LED50  
Neutral White:  
LED19-LED65

**B** CitySoul LED gen2 mini  
30/40 LED  
Warm White:  
LED60-LED100  
Neutral White:  
LED75-LED130

**C** CitySoul LED gen2 large  
40 LED  
Warm White:  
LED60-LED100  
Neutral White:  
LED55-LED115

**D** CitySoul LED gen2 large  
60/80 LED  
Warm White:  
LED110-LED200  
Neutral White:  
LED125-LED240



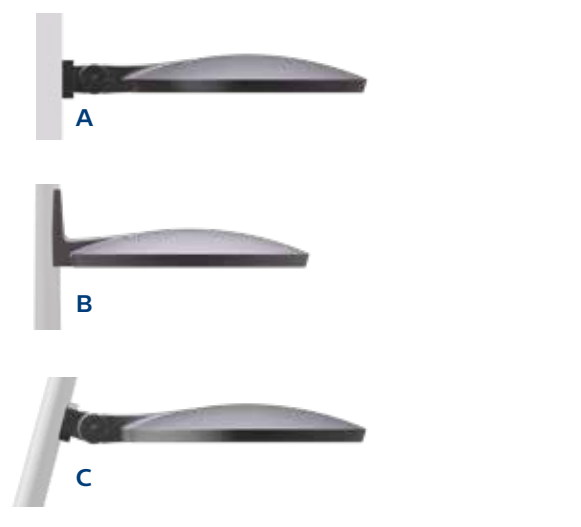


## Two versions

- A** CitySoul LED gen2 Mini  
Has a smaller volume – a perfect match for lower heights.
- B** CitySoul LED gen2 Large  
Lets you benefit from its larger volume in applications with mounting heights of up to 12 meters.

## Suspended mountings

- A** Dedicated suspended mounting  
For Ø 76 mm
- B** Catenary / Standard suspended mounting



## Direct mountings

- A** MBA wall mounting
- B** Accent
- C** MBA direct mounting

## Side-entry mountings

- A** Standard side-entry mounting  
For Ø 42-60 mm
- B** MBA side-entry mounting
- C** Dedicated side-entry mounting

# Dedicated sets

CitySoul LED gen2 comes with a wide choice of spigots, dedicated poles and brackets to fit different installation heights and application contexts. From catenary to post-top, from suspended to side-entry, CitySoul LED gen2 can provide it all. The range is equally suited for new installations and renovations, at any architectural scale.

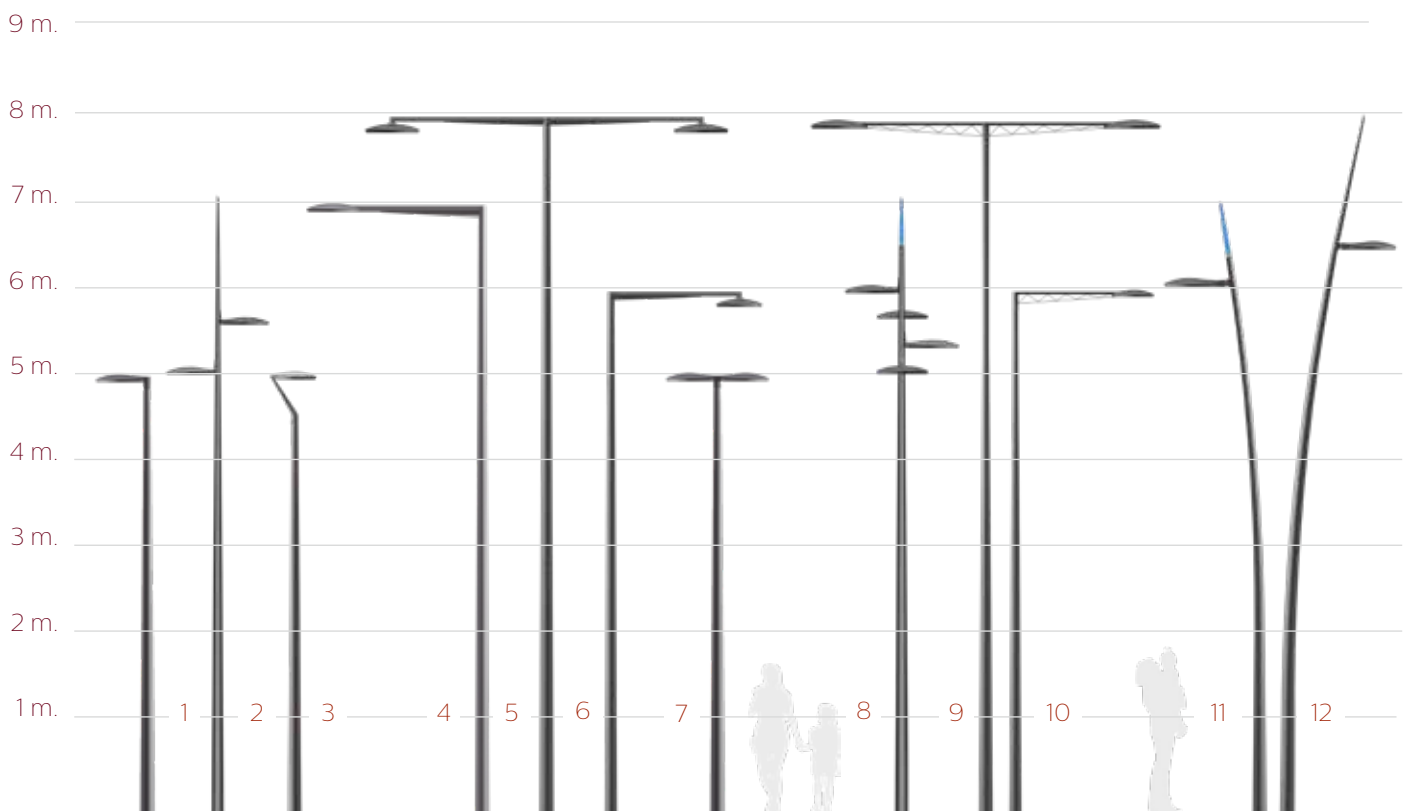


- 1 CitySoul LED gen2 + Morph single arm bracket + Accante 76 pole 8 m
- 2 CitySoul LED gen2 + Jump single arm bracket + Accante 76 pole 5 m
- 3 CitySoul LED gen2 + Flip double arm bracket + Accante 76 pole 7 m
- 4 CitySoul LED gen2 + Flip single arm bracket and rear bracket + Accante 76 pole 5 m
- 5 CitySoul LED gen2 + UrbanWave single arm bracket + Accante pole 7 m
- 6 CitySoul LED gen2 + Sweep pole 6 m
- 7 CitySoul LED gen2 + Sweep pole 7 m
- 8 CitySoul LED gen2 + Azur single arm bracket + Accante pole 5 m
- 9 CitySoul LED gen2 + Azur double arm bracket + Accante pole 7 m
- 10 CitySoul LED gen2 + Heritage single arm bracket + Accante pole 5 m



# Standard sets

In designing the CitySoul LED gen2 family, the aim was to provide maximum flexibility in applications. For example, the range is fully compatible with all the existing brackets and poles from the first generation of CitySoul.



- 1** CitySoul LED gen2 + Top bracket + steel pole 5 m
- 2** CitySoul LED gen2 + Accent brackets + Ocean straight pole 7 m
- 3** CitySoul LED gen2 + Lyre bracket + dedicated Lyre pole 5 m
- 4** CitySoul LED gen2 + East single arm bracket + Accante 76 pole 7 m
- 5** CitySoul LED gen2 + Right Curve double arm bracket + Accante 76 pole 8 m
- 6** CitySoul LED gen2 + Right Curve single arm bracket + Accante 76 pole 6 m
- 7** CitySoul LED gen2 + double Post Top bracket + steel pole 5 m
- 8** Spiral configuration of CitySoul LED gen2 + Accent brackets + Ocean straight pole 7 m
- 9 - 10** CitySoul LED gen2 + Graphic brackets + Accante 76 poles
- 11 - 12** CitySoul LED gen2 + Ocean curved poles

# Comfort & ambience

## More than just top performance

The CitySoul LED gen2 family is the standard when it comes to providing excellent lighting levels for city streets and squares. But it goes beyond that, creating a feeling of comfort or even a specific ambience to meet the needs of different urban areas.

## Striking the right balance

In urban contexts, it is very important to find the optimal balance between performance

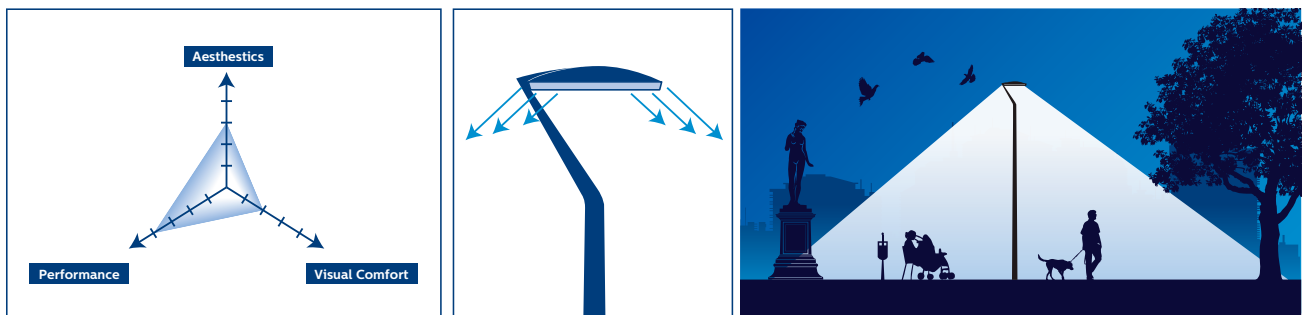
on the one hand, and comfort and ambience on the other. There are many factors that influence the equilibrium of comfort versus highest lighting efficacy – examples are: the installation height, the application's context and other aspects like the type and concentration of traffic participants.

If they look directly into the light, users can experience discomfort when they are exposed to high luminance levels. To avoid this and

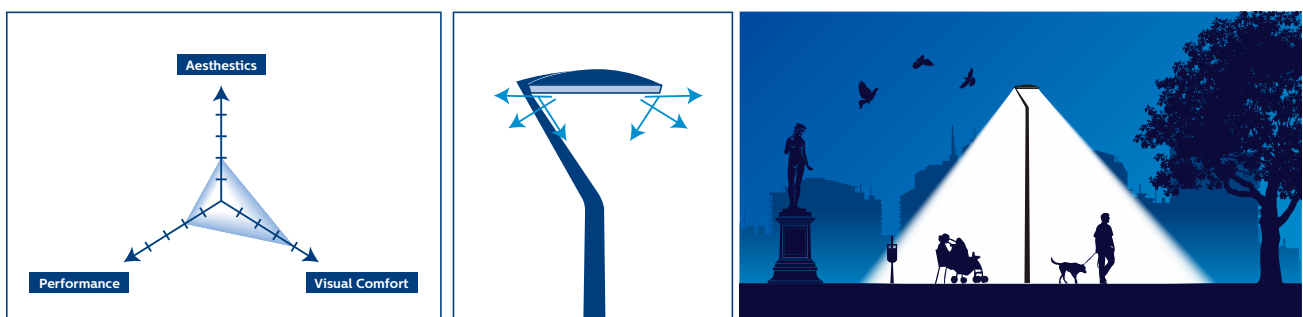
enhance comfort, CitySoul LED gen2 offers a diffusing option that softens the light but still offers high lighting quality.

Alternatively, a result may be required with optimal efficacy and optimal optical performance. In such cases, CitySoul gen2 LED will use the clear glass option. This achieves the best light distribution, especially in combination with high-transmission lenses.

## Standard glass



## Frosted glass





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& ambience**  
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# Service tag for improved serviceability

Since LED luminaires require different competencies and processes serviceability is always on our mind when designing new products. CitySoul LED gen2 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.





# 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**



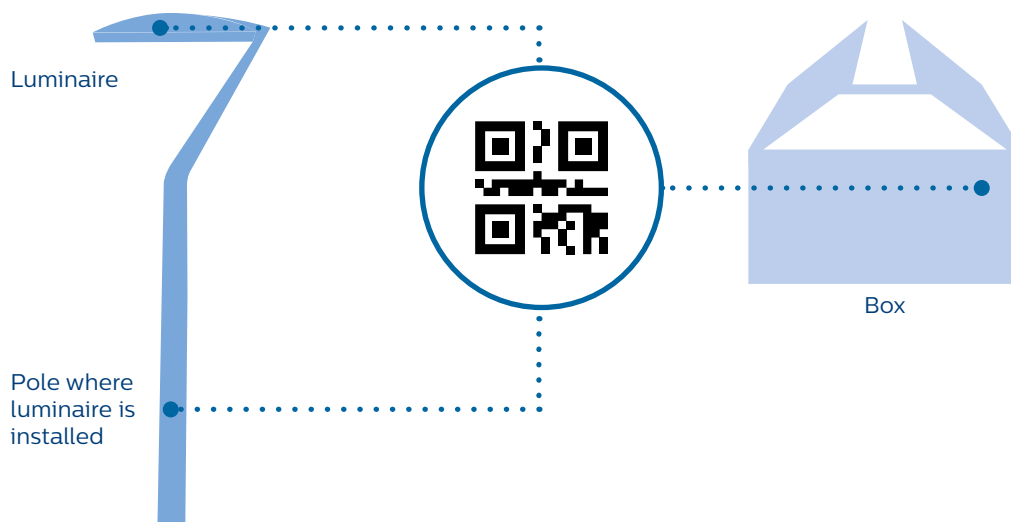
**Provides 24/7 access to luminaire and spare parts information**



**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.



# LEDGINE

## optimized





The new generation LEDGINE offers a unique combination of standardization and customization, so you can tune lighting solutions to suit your exact needs. The three pillars that characterize the LEDGINE are standardized optics, standard engine and tailor-made solutions.

## Standardized optics

Complete new optics range 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 tilt and 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.

## Standard engine

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 L96B10) 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.



## Tailor-made solutions

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.



# Standardized optics for the key application areas

Thanks to more precise light control, optical systems are increasingly using less power to deliver exactly the right light needed to cover an area, hence saving energy.

To provide optimal solutions for each application, we have created a wide portfolio of standardized optics addressing the most important requirements of key outdoor applications.

The right light is light that meets the needs of users, by providing the right ambiance, optimal safety, security, appearance, and visual comfort. It should also be fully in line with sustainability demands, by reducing spill light and saving energy. Diverse application areas with different users and activities need different solutions to meet these varied requirements.

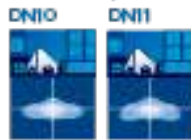


## Luminance classes (M)

Extra narrow  
optics



Narrow optics



Medium optics



Wide & extra wide optics



## Illuminance classes (P,C)



From narrow to wide geometries

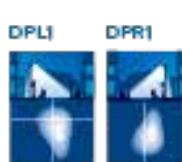


## Distributions for dedicated applications

Square  
and park  
DS50



Pedestrian crossing



## Distributions for special user needs

Wet Roads



Comfort



Facial  
recognition



Light trespass  
prevention



## Catenary

Narrow to medium streets & roads

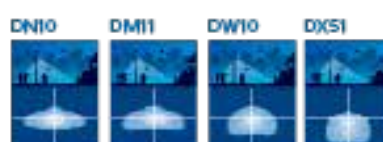
DSM2



## Night Preservation



## Biodiversity preservation



# 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

CitySoul LED gen2 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.



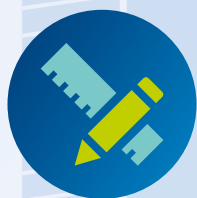
### Plug and play

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 or air quality monitoring, and incident detection.

CitySoul LED gen2 is ready to connect with Interact City when you are.

For more information about Interact City visit:  
[www.interact-lighting.com/city](http://www.interact-lighting.com/city)



## Get more value out of **your lighting infrastructure**

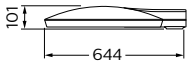
Control and monitor your street lighting remotely and immediately identify lighting failures using a single dashboard application. With full control of your city lighting you can identify opportunities for further energy savings by dimming, scheduling and zoning. Interact City enables you to reduce CO<sub>2</sub> 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 allows your existing partners or independent third parties to use it as a platform for future innovation

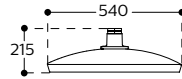
# Dimensional drawings

## CitySoul LED gen2 Mini

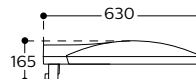
**BRP530**  
Side-entry



**BSP530**  
Catenary/suspended



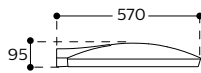
**BPP530**  
Post-top



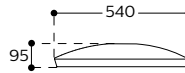
**BGP530**  
Tiltable side-entry



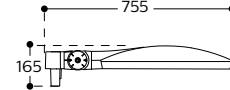
**BGP530**  
East/graphic brackets



**BVP530**  
Right Curve

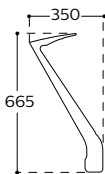


**BGP530 76PA**  
Tiltable post-top

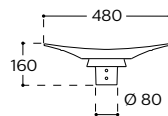


## Brackets

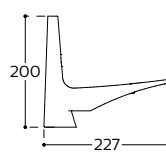
**Lyre**



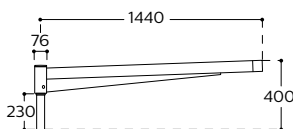
**Double post-top**



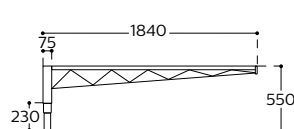
**Accent**



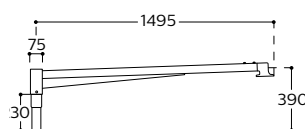
**East L1400**



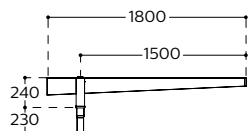
**Graphic L1800**



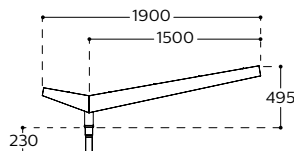
**Right Curve S1400**



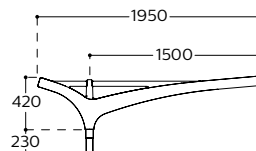
**Flip L1500**



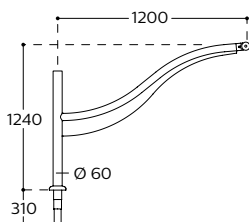
**Jump L1500**



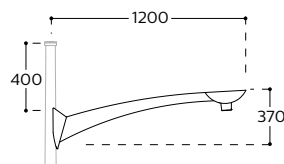
**Morph L1500**



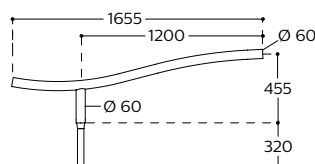
**Heritage S1200**



**Azur S1100**



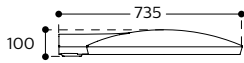
**UrbanWave L1200**



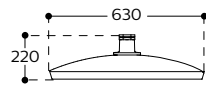


## CitySoul LED gen2 Large

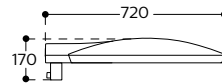
**BRP531**  
Side-entry



**BSP531**  
Catenary/suspended



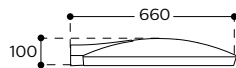
**BPP531**  
Post-top



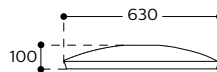
**BGP531**  
Tiltable side-entry



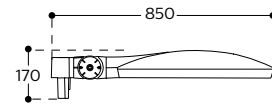
**BGP531**  
East/graphic brackets



**BVP531**  
Right Curve Bracket

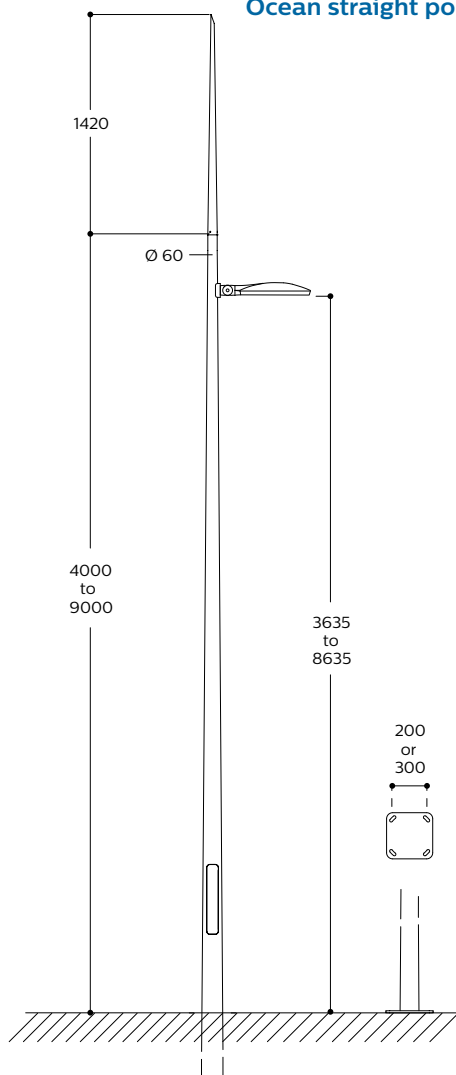


**BGP531 76PA**  
Tiltable post-top

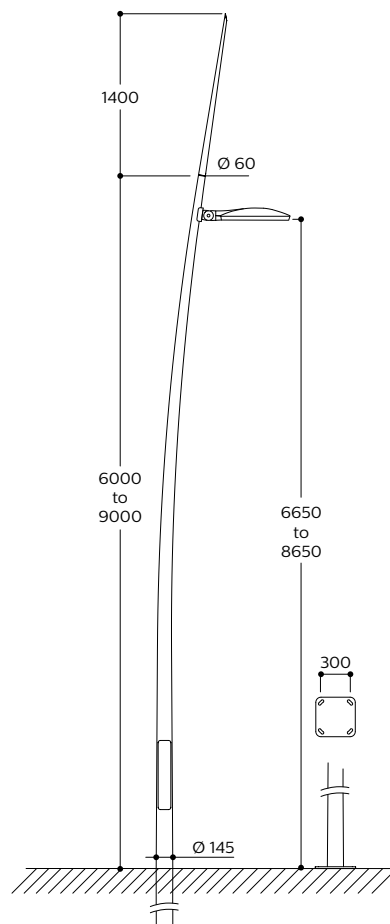


## Poles

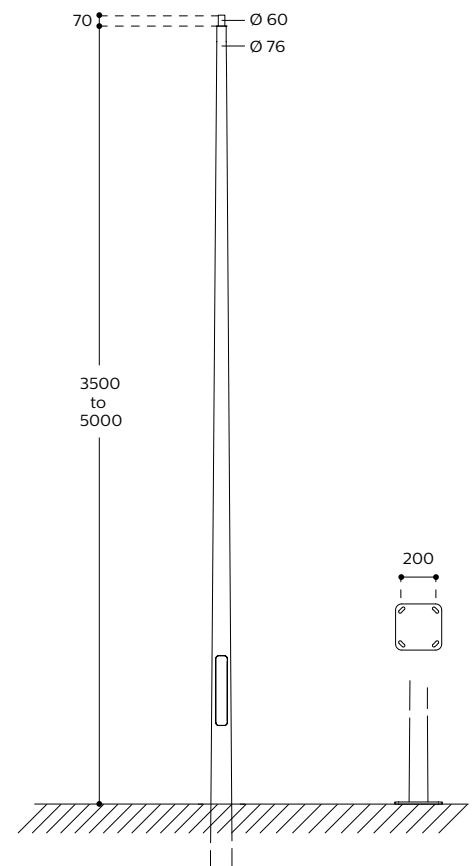
**Ocean straight pole**



**Ocean curve pole**



**Lyre pole**



# Main specifications

Product features	CitySoul LED gen2
Type	BPP530 (mini), BPP531 (large) post-top version BRP530 (mini), BRP531 (large) side-entry version BSP530 (mini), BSP531 (large) catenary or suspended version BVP530 (mini), BVP531 (large) for dedicated brackets BGP530 (mini), BGP531 (large) for dedicated brackets and MBA version BPP532 (mini), version with Lyre bracket
Light source	Integral LED-module
Power	CitySoul LED gen2 mini (WW): 15,4W - 77W CitySoul LED gen2 mini (NW): 12,4W - 84W CitySoul LED gen2 large (WW): 44W - 152W CitySoul LED gen2 large (NW): 33W - 146W
Luminous flux (depending on LED configuration)	CitySoul LED gen2 mini (WW): 912 - 8700 lm CitySoul LED gen2 mini (NW): 912 - 11310 lm CitySoul LED gen2 large (WW): 2820 - 17000 lm CitySoul LED gen2 large (NW): 2688 - 20640 lm Or tailor flux using L-Tune software
Luminaire efficacy	CitySoul LED gen2 mini: up to 147 lm/W CitySoul LED gen2 large: up to 153 lm/W
L-Tune	L-Tune available for all versions
Correlated Color Temperature	2200, 2700, 3000, 4000 K
Color Rendering Index	>70
Light recipes	ClearStar
Lumen maintenance at median useful life*100000 h	CitySoul LED gen2 mini & large: up to L95
Control gear failure rate at median useful life*100000 h	10%
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	-40 to +50 °C
Mains voltage	220-240 V / 50-60 Hz
Safety Class	I & II
Driver	Programmed LED drivers
Inrush current	CitySoul LED gen2 mini: 15 A / 295 µs (22 W driver) 18 A / 320 µs (SR 22 W driver) 22 A / 290 µs (40 W driver), 21 A / 300 µs (SR 40 W driver) 46 A / 250 µs (75 W driver), 65 A / 330 µs (SR 75 W driver) CitySoul LED gen2 large: 46 A / 250 µs (75 W driver), 65 A / 330 µs (SR 75 W driver) 53 A / 300 µs (150 W driver), 65 A / 330 µs (SR 150 W driver)
Dimming	stand alone DynaDimmer DALI, Lunatone, mains dimming
Connectivity Option	Interact City, EasyAir, Watstopper motion sensor
Connectors	Nema, SR
Optic	Narrow, medium, wide or extra wide road optics: DN08, DN09, DN10, DN11, DN25, DN26, DN33, DN50, DM10, DM11, DM12, DM13, DM30, DM31, DM32, DM33, DM50, DM52, DM70, DW10, DW50, DW52, DW65, DX10, DX50, DX51, DX52, DX65, DX70, DS50, DS51, DPR-1, DPL-1, DSM2
Louvres	Dedicated louvres for backlight cut-off BL1, BL2
Installation	BPP530 (mini), BPP531 (large): post-top mounting: Ø 60-76 mm BRP530 (mini), BRP531 (large): side-entry mounting: Ø 42-60 mm BSP530 (mini), BSP531 (large): catenary or suspended mounting with dedicated bracket BPP532 (mini): dedicated lyre (bracket available, to be ordered separatly) Adjustable tilt angle: possible with specific MBA or 76PA mounting spigot
Mounting height	mini: 3.5-6 m, large: 6-9 m
Material	Gasket: silicone rubber, heat resistant Optics: plastic (PMMA) Cover: glass, thermally hardened
Color	Housing: Philips Ultra Dark Gray (close to RAL 7022, fine textured color) Frame: Satin Silver Gray (RAL 9006) Other RAL and AKZO Futura colors available on request
IP rating	IP66
IK rating	IK08



Product features	CitySoul LED gen2
<b>Weight</b>	minimum 12.7 kg (mini), minimum 17.4 kg (large)
<b>Max SCx:</b>	mini post-top/side-entry (BRP/BPP530): 0.011 m <sup>2</sup> mini + Lyre (BPP532 + JRP533): 0.061 m <sup>2</sup> Double Post-top + 2 pcs mini (JRP532+ 2 pcs BGP530): 0.027 m <sup>2</sup> , mini + Tilttable side-entry bracket (BGP530 +MBA SJ): 0.014 m <sup>2</sup> Large post-top/side-entry (BRP/BPP531): 0.014 m <sup>2</sup> Double Post-top + 2 pcs large (BGP531): 0.033 m <sup>2</sup> large + Tilttable side-entry bracket (BGP531 +MBA SJ): 0.017 m <sup>2</sup>
<b>Surge protection</b>	6/8 kV (standard) – optional 10 kV
<b>Maintenance</b>	From below by opening the housing with 1 screw (Torx T20) The Service tag will help to identify the product and share all product information on the spot
<b>Cable options</b>	Suspended or catenary always pre-cabled (C2K, 1.65 m cable) Wall mounted optional C2K, 1.65 m cable All other configurations optional for mini C6K, 6 m cable, C10K, 10 m cable for large C8K, 8 m cable, C10K, 10 m cable, C14K, 14 m cable
<b>Electrical connection</b>	Screw connection block Wieland push in connector possible (optional)
<b>Accessories</b>	For mini: JRP533 (Lyre bracket), JRP534 (Accent spigot), JRP532 (Double post-top spigot), JGP530 (East bracket), JRP531 (Graphic bracket), JSP532 (Right curve bracket), YHB530 (Lyre dedicated pole) For large: JRP534 (Accent spigot), JRP532 (Double post-top spigot), JGP530 (East bracket), JRP531 (Graphic bracket), JSP532 (Right curve bracket)
<b>Warranty</b>	5 years
<b>Certification</b>	RoHS, REACH, CE, ENEC, ENEC+, 005
<b>SR compatibility</b>	Functional compatibility of 2 (SR certified) components/sensors to be used in combination as well as override possibility of any lineswitch function used in a SR based luminaire, is to be released by the master component/sensor supplier. For the use master component/sensor supplier. For the use of NEMA 7pin socket on a SR based luminaire a full system verification is required. Not following these advises can/will cause risk of damage and non-compliance for which Signify cannot take any responsibility.

# Bracket specifications

Bracket specifications	Lyre	Accent	Double Post-top
<b>Material</b>	Aluminum	Aluminum	Aluminum
<b>Mounting to luminaire</b>	Dedicated	Dedicated	Dedicated
<b>Installation type</b>	Flange plate	Flange plate	Flange plate
<b>Bracket types</b>	Single arm bracket	Pole mounting bracket	Double arm bracket
<b>Mounting to support</b>	Post-top cap for pole Ø 60 mm / Dedicated pole	Pole side-entry with 2 points, fixing center 105.5 mm	Post-top cap for pole Ø 60 mm / Dedicated pole
<b>Rear bracket mounting</b>	NA	2 points, fixing center 105.5 mm	NA
<b>Wall bracket mounting</b>	NA	2 points, fixing center 105.5 mm	NA
<b>Tilt angle</b>	2°	2°	2°
<b>Color</b>	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.
<b>Certification</b>	CE certification in accordance with standard EN40	CE certification in accordance with standard EN40	CE certification in accordance with standard EN40

Bracket specifications	East	Right Curve	Graphic
<b>Material</b>	Aluminum	Steel	Steel
<b>Mounting to luminaire</b>	Dedicated	Dedicated	Dedicated
<b>Installation type</b>	Flange plate	Flange plate	Flange plate
<b>Bracket types</b>	Single arm, double arm, rear arm and wall mounting brackets	Single arm, double arm, rear arm and wall mounting brackets	Single arm, double arm, rear arm and wall mounting brackets
<b>Bracket size</b>	1 m, 1.4 m 0.5 m, 1 m (RB/WB)	1 m, 1.4 m 0.5 m, 1 m (RB/WB)	1.4 m, 1.8 m (SAB/DAB) 0.5 m, 1 m (RB/WB)
<b>Mounting to support</b>	Post-top tenon or cap for poles top Ø 76 mm	Post-top tenon or cap for poles top Ø 76 mm	Post-top tenon or cap for poles top Ø 76 mm
<b>Rear bracket mounting</b>	2 points, fixing center 200 mm	2 points, fixing center 170 mm	2 points, fixing center 200 mm
<b>Wall bracket mounting</b>	2 points, fixing center 200 mm	2 points, fixing center 170 mm	2 points, fixing center 200 mm
<b>Tilt angle</b>	2°	2°	0°
<b>Color</b>	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.
<b>Certification</b>	CE certification in accordance with standard EN40	CE certification in accordance with standard EN40	CE certification in accordance with standard EN40

Bracket specifications	Azur	Heritage
<b>Material</b>	Aluminum	Steel
<b>Mounting to luminaire</b>	Suspended 1'	Suspended 1'
<b>Bracket types</b>	Single arm, double arm, rear arm and wall mounting brackets	Single arm, double arm, and wall mounting brackets
<b>Bracket size</b>	1 m, 1.1 m	0.8 m, 1.2 m
<b>Mounting to support</b>	Direct mounting on pole with 2 points, fixing center 205 mm	Post top tenon for pole Ø 76 mm
<b>Wall bracket</b>	Mounting with 3 points, fixing center 110 x 310 mm	Mounting with 2 points, fixing center 250 mm
<b>Tilt angle</b>	6°	5°
<b>Color</b>	Philips Ultra Dark Gray (close to RAL 7022)	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.
<b>Certification</b>	CE certification in accordance with standard EN40	CE certification in accordance with standard EN40



Bracket specifications	UrbanWave	Catenary
<b>Material</b>	Steel	Aluminum
<b>Mounting to luminaire</b>	Side-entry Ø 60 mm Side-entry Ø 48 mm	Suspended, female 3/4' or 1'
<b>Bracket types</b>	Single arm, double arm, rear arm and wall mounting brackets	Catenary bracket for suspended luminaires
<b>Bracket size</b>	750 mm, 1.2 m	-
<b>Mounting to support</b>	Post-top tenon for pole Ø 60 mm	Clamp fixation to cable
<b>Rear bracket / Wall bracket</b>	Mounting with 2 points, fixing center 250 mm	NA
<b>Tilt angle</b>	3°	0°
<b>Color</b>	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.
<b>Certification</b>	CE certification in accordance with standard EN40	CE certification in accordance with standard EN40

## Pole specifications

Pole specifications	Ocean straight pole	Ocean curve pole	Lyre / Double post-top dedicated pole
<b>Material</b>	Steel	Steel	Steel
<b>Mounting to luminaire</b>	Side-entry with Accent bracket	Side-entry with MBA-P fixation luminaire option	Tenon Ø 60 mm x 70 mm Post-top fixation
<b>Pole shape</b>	Conical	Curved	Conical
<b>Pole height</b>	3.5-9 m	3.5-9 m	3.5 m, up to 5 m
<b>Pole top diameter</b>	Ø 60 mm	Ø 60 mm	Ø 76 mm
<b>Installation type</b>	Flange plate or Ground section	Flange plate or Ground section	Flange plate or Ground section
<b>Color</b>	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.	Philips Ultra Dark Gray (close to RAL 7022). Other RAL or AKZO colors available on request.
<b>Certification</b>	CE certification in accordance with standard EN40	CE certification in accordance with standard EN40	CE certification in accordance with standard EN40



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