

**PHILIPS**

*CityTouch*

Connector node



# Future-proof your city

with connected lighting

CityTouch connects your city's lighting, simply and easily



# What is **CityTouch?**

CityTouch is a revolutionary connected street lighting management platform that will help you take the next step with your city lighting. Remote, data-rich monitoring and management lets you improve the quality of city life with the best possible illumination experiences and extraordinary value beyond illumination.

CityTouch is an end-to-end street lighting management system that integrates connected devices, intuitive software-as-a-service applications, and specialized services to transform your city's lighting operations.

The CityTouch connector node is a simple plug-and-play device that transforms any street light into an individually controllable, remotely managed point of intelligence. Once installed on an existing street light, the connector node automatically connects with CityTouch software applications via the public mobile communications network, giving you status and control.

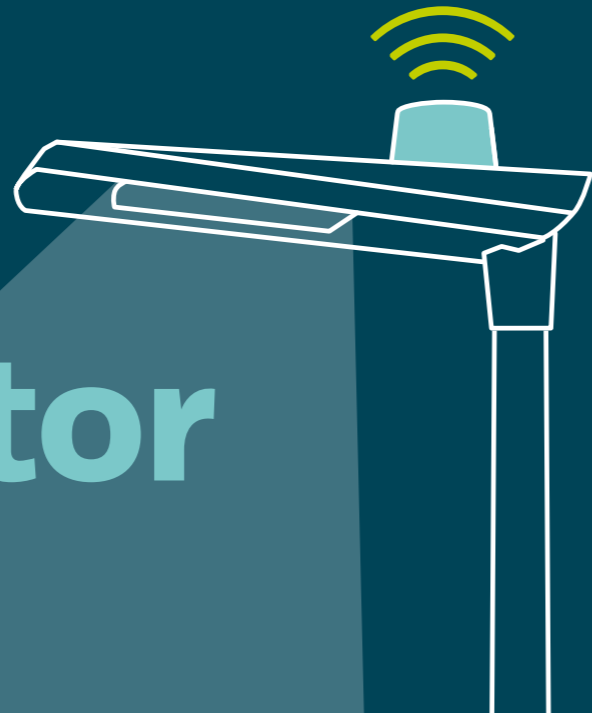
The CityTouch connect application lets you securely and remotely monitor and manage all connected light points through a real-time, map-based view using any standard web browser. You can control streetlights remotely, set up dimming schedules, measure energy consumption, and receive outage notifications. The CityTouch workflow application adds rich data visualization and reporting capabilities,

provides a highly customizable lighting asset database, and offers lighting-related workflow management tools.

Both CityTouch apps are delivered over the internet using software-as-a-service (SaaS), making the system location-independent and available at any time to multiple users. SaaS ensures secure data storage, continuous operation, and automatic updates while minimizing IT expenses.

Together, CityTouch connector nodes, software apps, and wireless communications give you detailed and clear insight into your city's lighting performance. This insight allows you to manage your lighting assets more efficiently, make more informed decisions, and be more responsive to the needs of citizens in different locations throughout the city.

# What is the connector node?



Being connected changes everything, and connecting your street lights to the CityTouch lighting management platform couldn't be easier.

Installation consists of simply plugging a lightweight CityTouch connector node into a standard socket on top of an existing street light. The connector node works with street lights from any manufacturer, both LED and conventional—a key consideration for any city with a diversity of street lighting assets.

Commissioning is automatic. As soon as a connector node is installed, it starts transmitting location and operational information via the city's mobile network.



## Smarter lighting operations

With simple plug-and-play installation, the CityTouch connector node lets your city enjoy the benefits of Philips connected street lighting quickly and with minimal disruption.

Once you have installed connector nodes on the street lights you want to manage with CityTouch, you can start using the CityTouch software applications to monitor status and energy consumption and to remotely control each light point.

CityTouch automatically notifies you when there's an outage or other system disruption. Because CityTouch sends rich and accurate data about the location of the affected light point, its type and other specs, and the nature of the issue, you no longer have to depend on overnight scouting patrols or wait for citizen reports.

Accurate data from CityTouch eliminates much of the on-site investigation that work crews typically have to perform prior to repairs, reducing response times from days to hours.



## Unlocking your city's potential with CityTouch

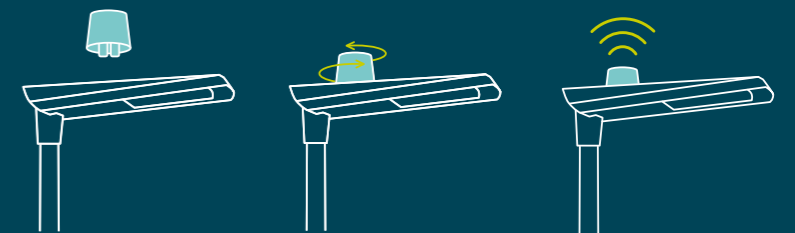
With the CityTouch connector node, you can quickly and easily retrofit your existing streetlights and immediately take advantage of the operational efficiencies and energy savings that CityTouch can deliver. But the benefits to your city don't stop there.

By storing and analyzing street lighting data over time, and by combining it with other sources of data, such as foot and automobile traffic patterns, you can deliver the right levels of light when and where they're needed. Properly and reliably lit streets feel safer and contribute to a vibrant nighttime community and economy.

Connected street lighting with CityTouch is an integral part of creating a smart, sustainable city.

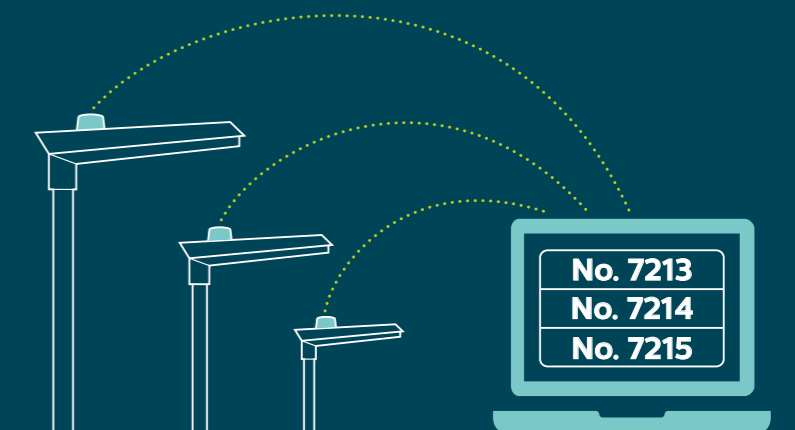
With the connector node, you can start ensuring your city's future today, with immediate results and no effect on current operations.

# Key advantages



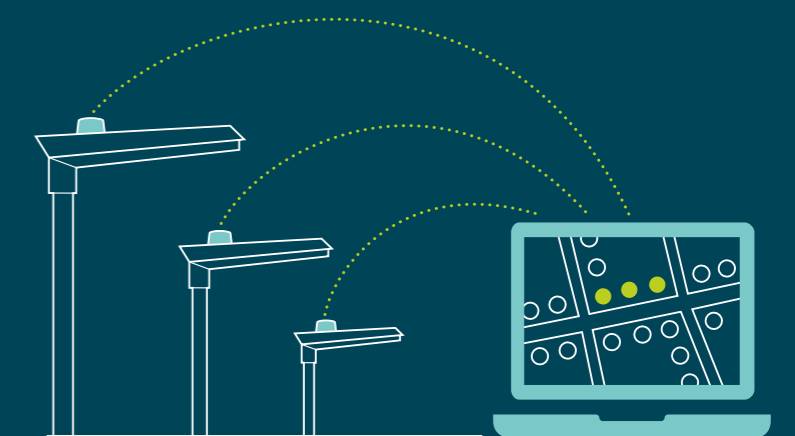
## Compatibility

Compatible with almost any luminaires independent of the manufacturer



## Automatic commissioning

Luminaires automatically connect to CityTouch system once installed



## Automatic location

Luminaires are auto-located on the map with all asset data in place

# “

**With this technology, it's just so headache-free. We just install it and move on.”**

**Ed Ebrahimiyan**  
Director, Bureau of Street Lighting,  
City of Los Angeles

# Flexible, open and secure

**Philips CityTouch is an end-to-end, future-proof solution, able to support your city's changing requirements over time.**

## Flexible

CityTouch is extremely flexible, allowing you to configure the system to your specifications.

CityTouch can monitor and manage an unlimited number of lighting assets, so you can add street lights and other assets over time without reinstalling existing connector nodes or taking the system offline.

Because each connector node communicates with CityTouch independently, there are no centralized points of failure: if one street light goes out, the others around it are unaffected. You can control single light points or all light points together, or you can group and control light points however you wish.

CityTouch updates its software and connector node firmware wirelessly and automatically. This ensures that you always have the latest features and functions, with no physical intervention required.

## Open

CityTouch is luminaire-independent: the connector node works with any street light from any manufacturer, whether Philips or non-Philips, whether LED or non-LED.

CityTouch uses standard web services to connect to city IT infrastructures via the mobile network, so no proprietary networks are required.

With published APIs, you can integrate CityTouch into other city management systems already in use. This allows you to bring your CityTouch system together with other connected systems to create a new digital ecology that can deliver new levels of responsiveness and resiliency.

Philips also offers cost-effective integration services and technical support, so your city is always ready for the future.

## Secure

Your data deserves to be protected, so CityTouch always applies the latest state-of-the-art security measures along with end-to-end encryption and two-factor authentication.

Philips uses the same level of security as online banking and brokerage houses do, ensuring that your sensitive data is transmitted privately and stored safely.

# Philips CityTouch key features:



Plug-and-play installation



Remote monitoring



Automatic outage notification



Future-proof



Accurate lighting data

## Philips CityTouch: an open system



CityTouch connector node works with almost any type of street light from any manufacturer



CityTouch communicates via the mobile network: no proprietary networks



With APIs, customers can integrate CityTouch with their existing systems

## A CityTouch efficiency in focus:

### Ensuring perfect city lighting



#### CityTouch repair process

The automatic failure notification greatly simplifies the maintenance process

1. Fault occurs and automatically appears on screen (with fault type, luminaire specs, and location)
2. Repair is automatically scheduled
3. Repair work proceeds
4. Perfect lighting resumed



#### Traditional repair process

Cities rely on night scouting and citizen reports to identify light outages

1. Fault occurs
2. Fault reported by citizen or by night scouting team
3. Maintenance team finds and checks luminaire
4. Fault type, luminaire specs, and location reported
5. Repair scheduled
6. Repair work proceeds
7. Perfect lighting resumed



