

Panasonic



Street Lighting

Panasonic Lighting - Product Quality Testing



Learn more about Panasonic lighting



Please contact

Panasonic®

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Specifications are subject to change without notice.

ISO 9001/14000

2024.03

“CITY CONNECTED” SMART STREET LIGHTS PROVIDE A BETTER LIFE IN OUR COMMUNITIES

Panasonic Quality Policy

“Quality is Top Priority” has always been our basic policy, and we strive to continue providing quality solutions.

- Business harmonized with society and environment
- Supply consumers with maximum satisfaction and sense of security and safety



Panasonic Advanced Features



Enhancing Visibility



Maintenance Made Easy



Bright Road With Low Energy Consumption



Easy Remote Control

Basic Lighting Design Proposal

Urban Area / Suburbs

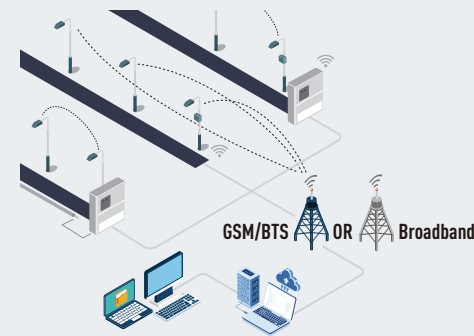
Smart Street Light

Smart Street Lights are suitable for areas which need a centralized management system, auto-dimming setup, and energy consumption monitoring system.

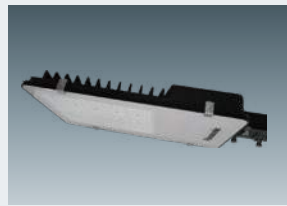


Smart Street Light (Device)

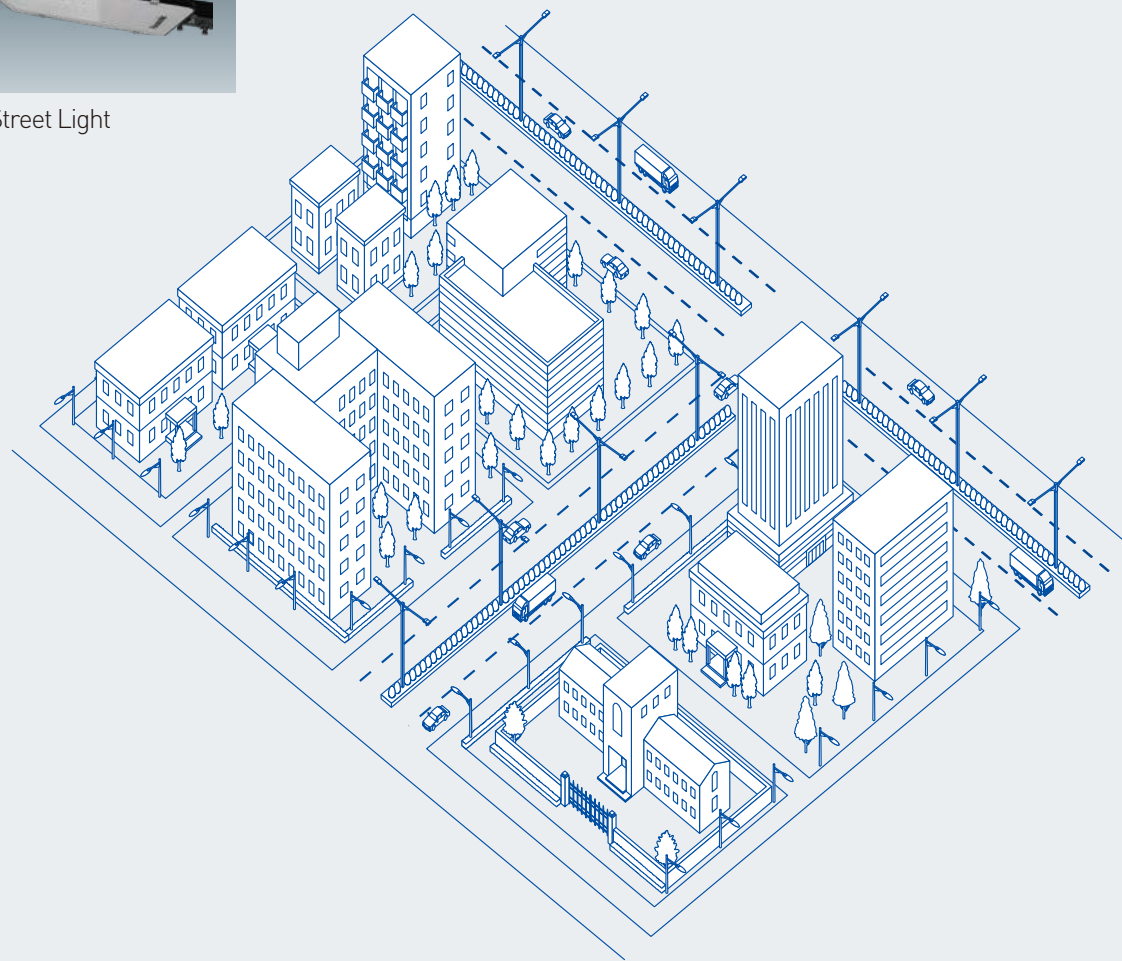
Smart LED System



Standard Street Light



SP Street Light



Rural Area

Solar Street Light

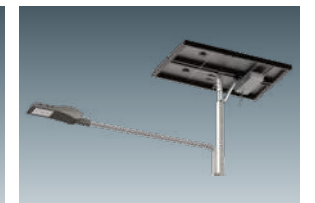
Solar Street Lights are suitable for non-electrified areas such as a distant province, forest, mountainous area, etc.



PRO Series

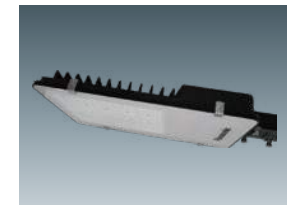


Eco Series

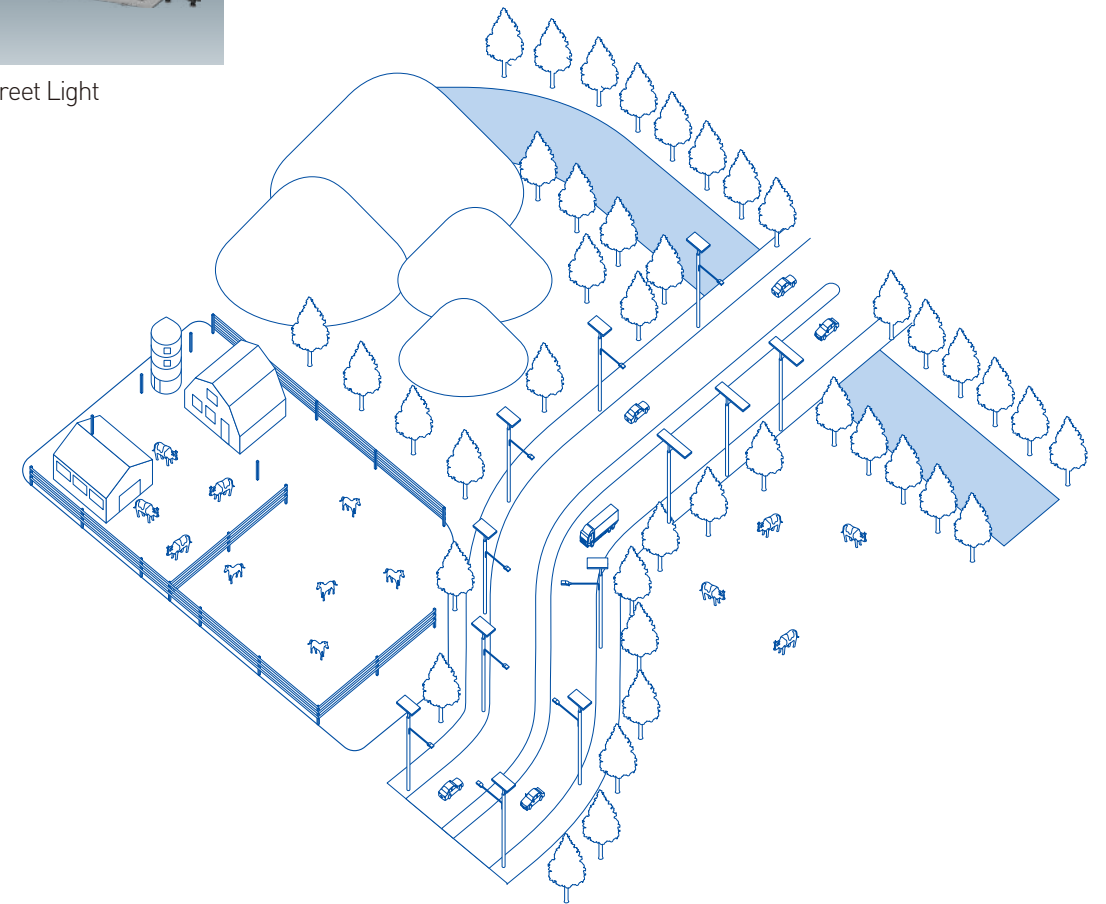


Split Series

Standard Street Light



SP Street Light

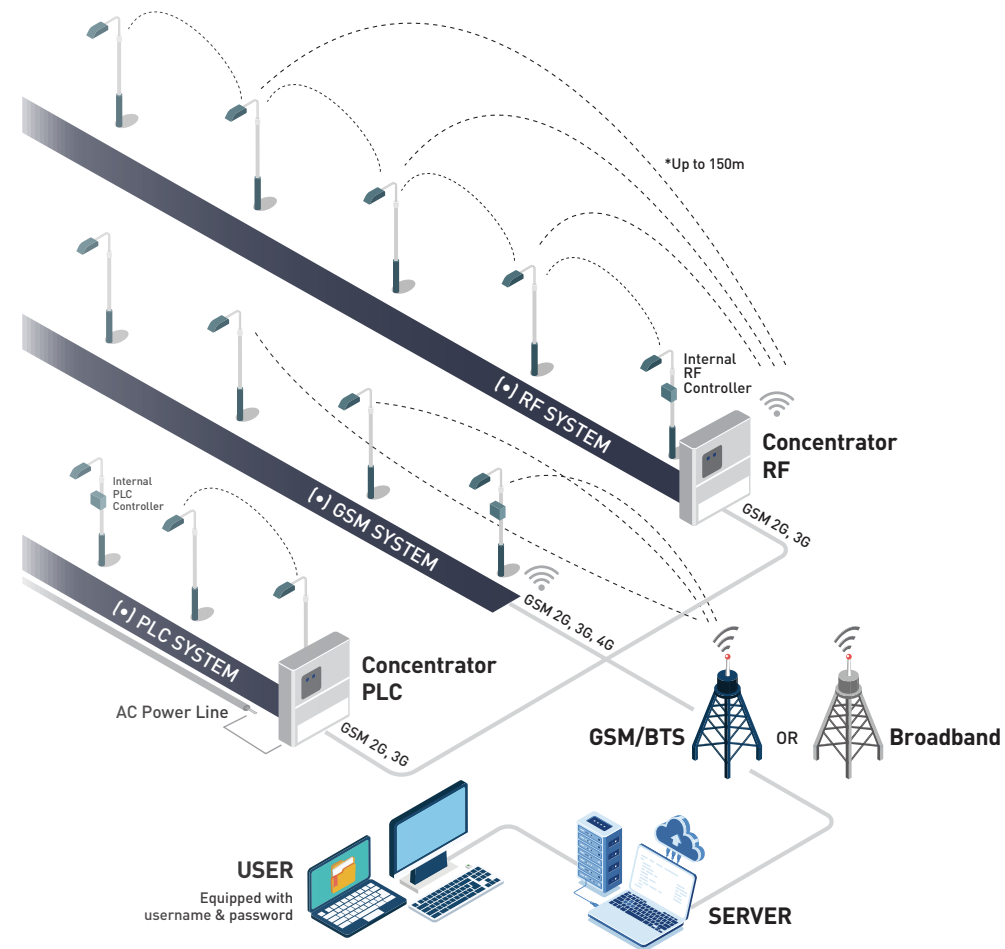


Intelligent Street Lighting Solution

Smart Street Lighting System

1 Hybrid Communication System

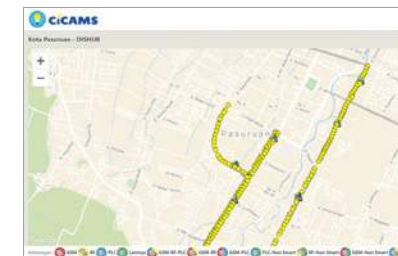
Street lights are flexible and can utilize the various listed communication systems; GSM, RF-GSM and PLC-GSM.



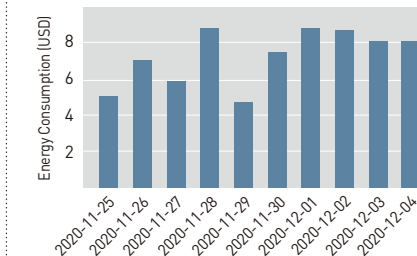
2 Remote Control and Monitoring

By connecting street lights with this hybrid communication system, users can control the street light operation from a remote area.

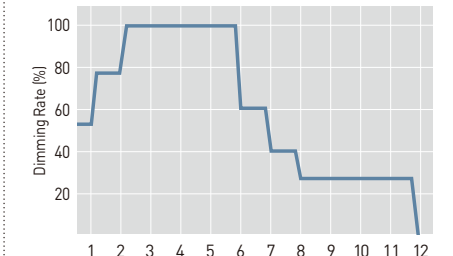
CiCAMS
(City Connected Asset Mangement System)



Energy Consumption Monitoring



Auto-dimming Setup



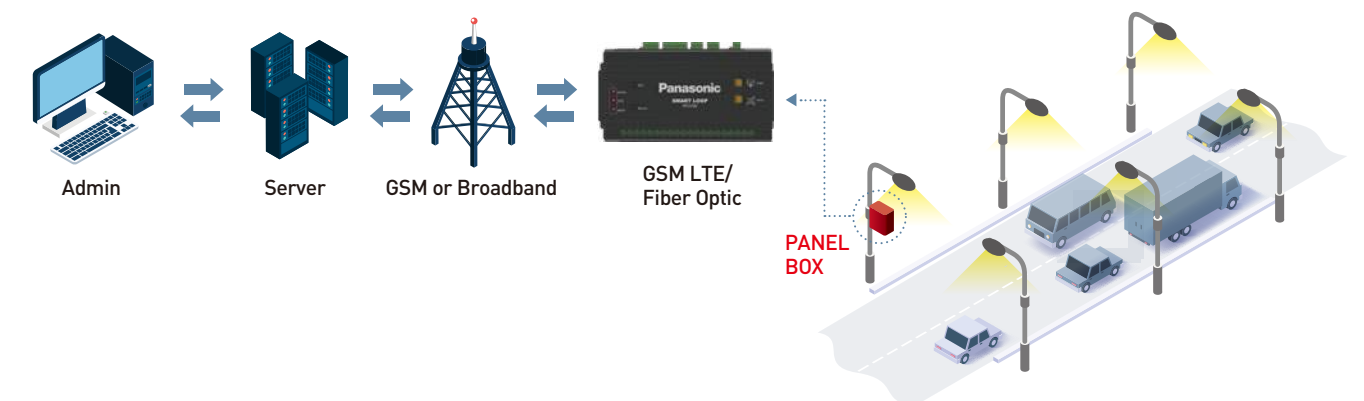
3 Retrofit fixtures modified into a Smart Street Lighting System



| | |
|--------------------|---|
| Application | Suitable to be installed with standard street light and landscape lighting. |
| Feature | Allows for control and monitoring of the standard street lights and landscape lighting through CiCAMS*. |

| Smart System GSM | Smart System RF | Smart System PLC |
|---|--|--|
| <p>Ideal for projects with 10 luminaires or fewer.</p> <p>Luminaires must be in a location where the signal is strong.</p> <p>No need for a panel controller.</p> | <p>More efficient for grouping, 1 concentrator can control up to 200 luminaires.</p> <p>Can work in areas where the GSM signal is weak or unstable such as a subway, underpass, tunnel, etc.</p> <p>Equipped with measurements and control features in the Concentrator panel.</p> | <p>More efficient for wire grouping. 1 concentrator can control up to 200 luminaires. Suitable for all types of streets.</p> <p>Can work in areas where the GSM signal is weak or unstable because using power supply cable for the communication.</p> |

Communication System



*CiCAMS = City Connected Asset Mangement System

Case Study

Smart Street Lighting System

Indonesia : Smart LED Lighting



| | |
|------------------------------|---|
| Location | Jakarta, Indonesia |
| Product | Smart street light, pedestrian light, etc |
| Units | About 30,000 units |
| Benefit for customers | Easy to be controlled via PC or smartphone. Reduction in energy consumption. CiCAMS* can be integrated easily with governmental smart city systems. |

For further information

https://panasonic.net/electricworks/job-references/id_19_streetlight/index.html

India : Smart LED Lighting



| | |
|------------------------------|--|
| Location | Maharashtra, India |
| Product | Smart street light |
| Units | 161 units |
| Benefit for customers | Notify the problem whenever via software. Provide a vibrant brightness with low energy consumption. |

For further information

https://panasonic.net/electricworks/job-references/in_21_streetlight/index.html

Intelligent Street Lighting Solution

Solar Street Lighting System

High performance of LED, battery, and solar panel system

Product Line-up

PRO Series



ECO Series



Split Series



Quick Specs

| | PRO Series | ECO Series | Split Series |
|----------------|------------------------|--------------------|-------------------------|
| Wattage Lineup | 15, 20, 30, 40, 50, 60 | 20, 30, 40, 50, 60 | 40, 60, 70, 80, 90, 100 |
| lm/W | 180 | 150 | 150-180 |

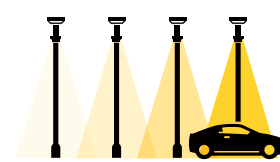
Main Features



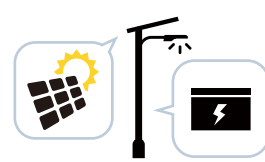
Can offer both smart type and standard type.



Equipped with motion sensors for detection of movement around street lights.



Equipped with 4 modes of dimming programs. Can choose a mode by remote controller.



Utilizes LiFePO4 battery and monocrystalline solar panel for maximum performance.

Standard Street Light

Product for common street situation

Product Line-up

SP Street Light



Quick Specs

| | SP Street Light |
|----------------|-----------------|
| Wattage Lineup | 30, 60, 90, 120 |
| lm/W | 120-125 |
| Features | — |

Comparison table from Mercury to LED

Unit: lm Maintenance Factor = 1.0

| Mercury | SP Street Light |
|---------|-----------------|
| 400W | |
| 300W | 120W |
| 200W | 90W |
| 100W | 60W |
| 80W | 30W |
| 40W | |