

Panasonic

Street Lighting

“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

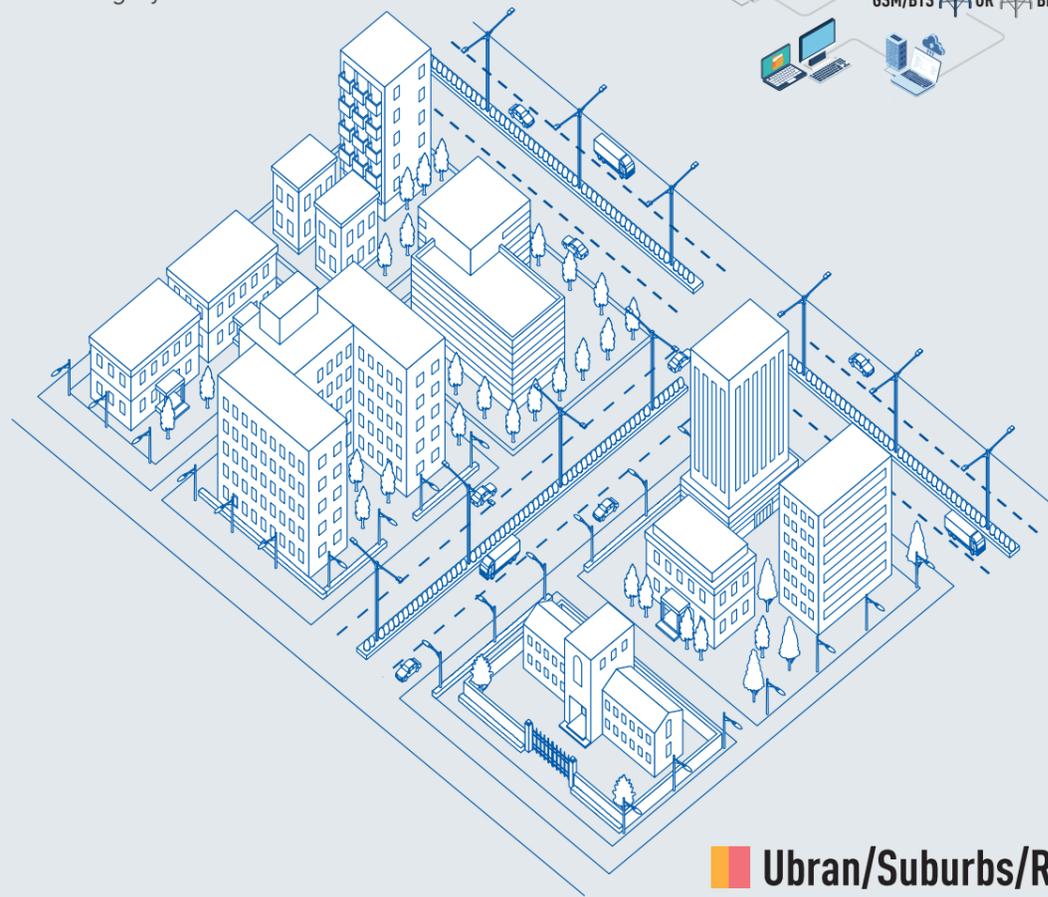
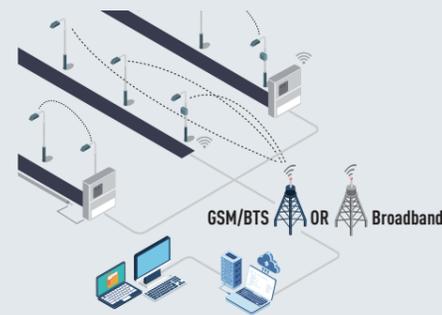
Smart Street Light

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



Urban/Suburbs/Rural Area

Standard Street Light



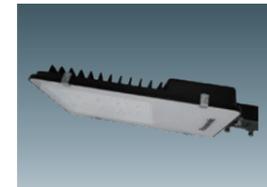
S3 Series



EVO Series



NEO Series



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.



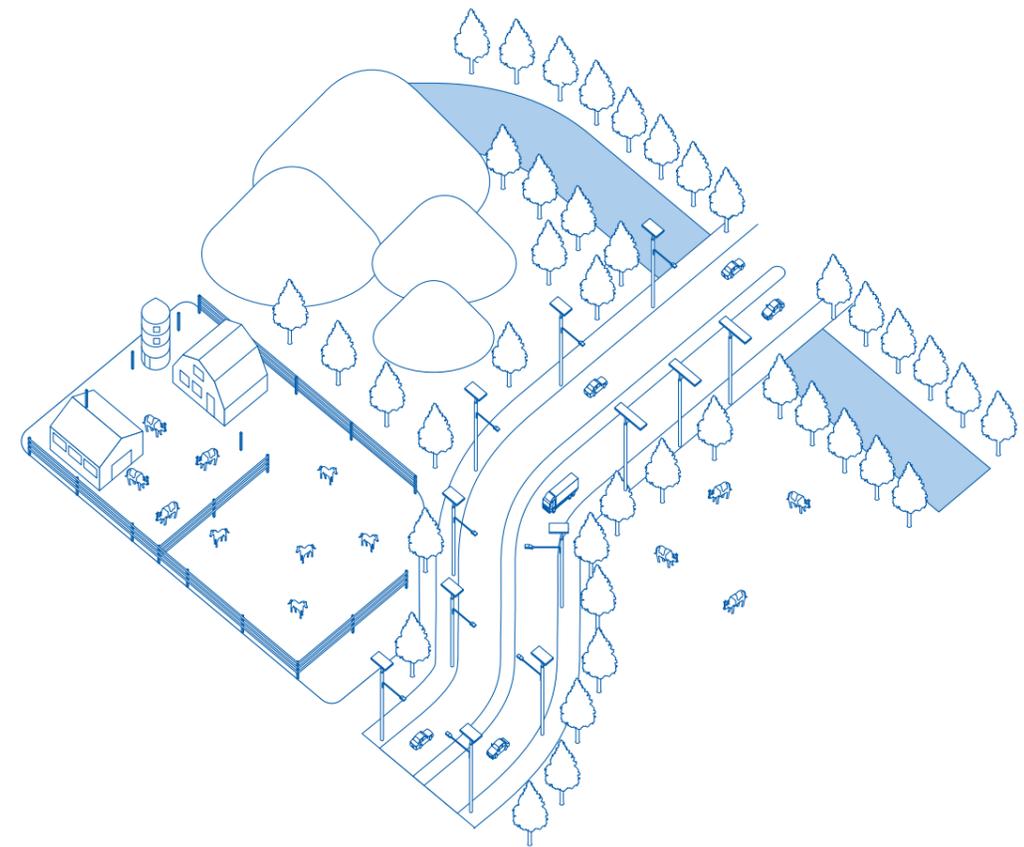
PRO Series



Eco Series



Split Series

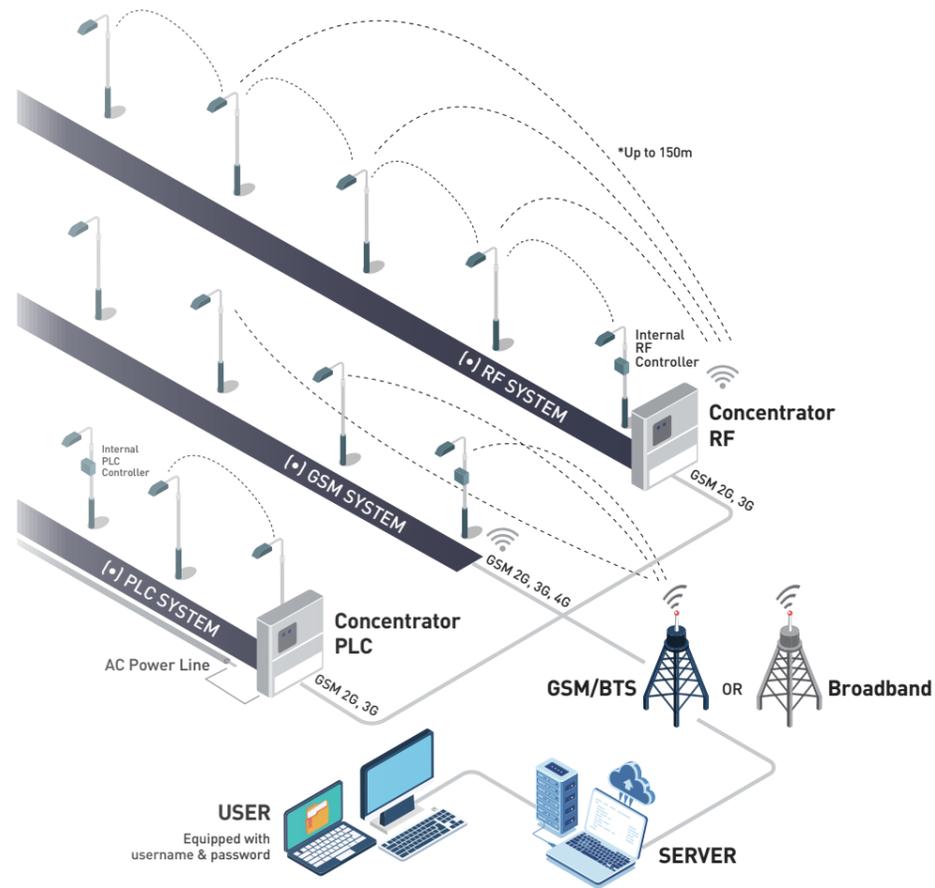


Intelligent Street Lighting Solution

Smart Street Lighting System

1 Hybrid Communication System

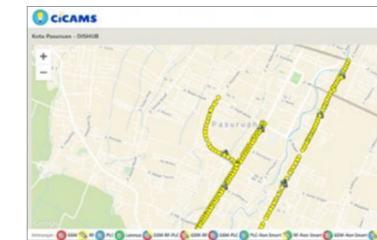
Street lights are flexible and can utilize the various listed communication systems; GSM, RF-GSM and PLC-GSM.



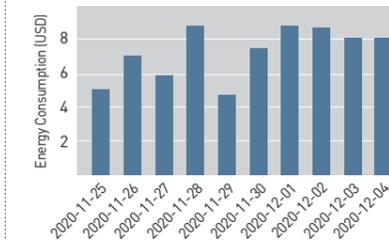
2 Remote Control and Monitoring

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

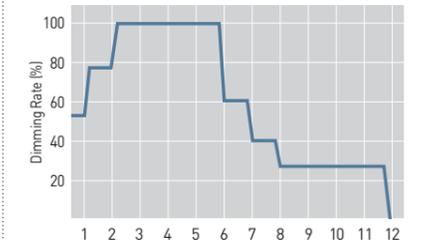
CiCAMS
(City Connected Asset Mangement System)



Energy Consumption Monitoring



Auto-dimming Setup



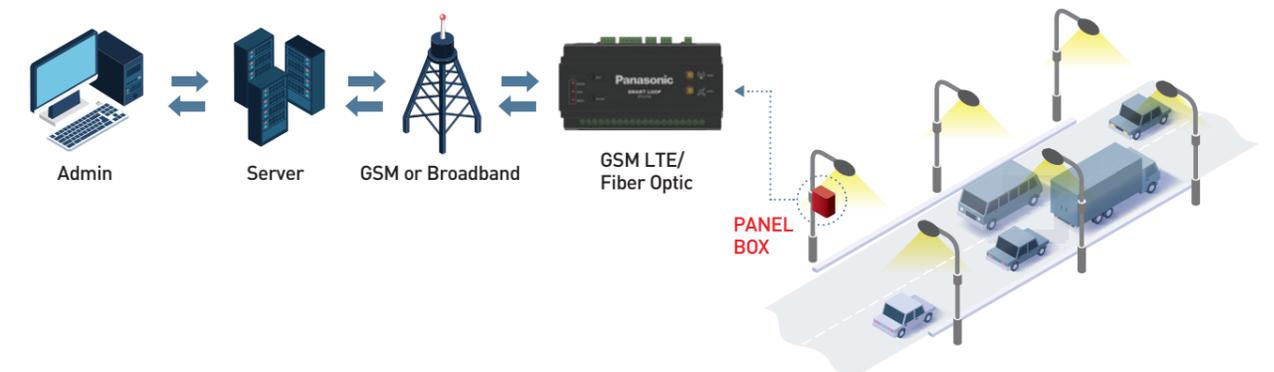
3 Retrofit fixtures modified into a Smart Street Lighting System



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

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



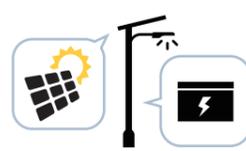
Can offer both smart type and standard type.



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

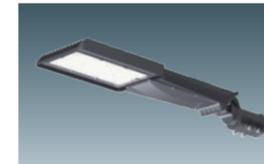
Wide product lineup to adapt to any street situation

Product Line-up

S3 Series



Evo Series



NEO Series

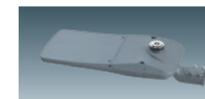


SP Street Light



Quick Specs

	S3 Series	Evo Series	NEO Series	SP Street Light
Wattage Lineup	10, 20, 30, 40, 60, 90, 120, 150	40, 60, 90, 120, 150	10, 20, 30, 40, 60	30, 60, 90, 120
lm/W	140-150	130	120-125	120-125
Features	1. Auto Dimming 2. Ready for Smart*	1. Auto Dimming 2. Ready for Smart	—	—



*Ready for Smart Image (S3 Series)

Comparison table from Mercury to LED

Unit: lm Maintenance Factor = 1.0

	Mercury	S3 Series	Evo Series	NEO Series	SP Street Light
25,000	400W	150W	150W		
15,000	300W	120W	120W		120W
10,000	200W	90W	90W		90W
4,500	100W	60W	60W	60W	60W
3,000	80W	40W	40W	40W	
1,500	40W	30W		30W	30W
		20W		20W	
		10W		10W	

Panasonic Lighting - Product Quality Testing



Learn more about Panasonic's successful installations



Please contact

<https://panasonic.net/electricworks/lighting/>



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