



Benefits



Monitoring current conditions of each lamp via online



Controlling can also be done to the light points to improve efficiency:

- ON/OFF Controlling
- Dimming



Can Scheduling ON and OFF for each lamp or per panels

Smarter Feature

- Outdoor implementations
- No fear of sun exposure
- Not afraid of water splash
- Waterproofing rating
- Automatic switch
- Save power

SMART STREET LIGHT

A smart street light that comes equipped with LoRaWAN module inside, enabling users to perform control, scheduling, and On/Off for each lamp head. This feature aids users in cost-saving compared to traditional SON/LED lamp types.

Smart street lights aim to enhance safety, reduce energy consumption, and contribute to the development of smarter and more sustainable cities

Sensor implementations:



CITY



INDUSTRIAL ESTATE



RESIDENTIAL



Rukan Crown, Blok A No.25, Jl. Green Lake City Boulevard, Tangerang, Banten 15147



+62 813 9999 1485



iki@weiotics.io

<https://weiotics.io/>





SMART STREET LIGHT



This innovative smart lamp represents a significant advancement in smart city infrastructure featuring LoRaWAN communication capabilities. LED Lamp integrates with LoRaWAN light controller and built-in energy metering functionality, providing precise tracking of power consumption for each street light.

Features

- Built-in energy metering functionality, achieving Class 1 meter accuracy
- Integrated 0-10V brightness control voltage output
- Incorporates M4 core to meet various IoT application requirements
- Remote control of street light ON/OFF function
- On-site support for remote Bluetooth connectivity
- Intelligent scheduling for device activation
- Enables remote monitoring and brightness control for improved energy efficiency



Electrical Parameters

PARAMETERS	TEMPERATURE & HUMIDITY SENSOR
Power supply	85 ~ 245V (AC)
Basic current	5A
Active current	≤18mA (Relay Close), ≤45mA (Relay Open)
Maximum metering current	15A
Starting current	≤10mA
Frequency	50 Hz
Accuracy kWh/kVarh	Class 1
MCU temperature monitoring	Yes
CPU working temperature	-20°C ... +85°C
Storage temperature	-10°C ... 60°C



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IOT KREASI INDONESIA



LoRaWAN Parameters

PARAMETERS	LORA BRIDGE RTU
Device type	Class A/C
Network registration way	OTAA, ABP
LoRaWAN uplink confirmation	Confirm or Partially Confirm
MCU	Arm® 32-bit Cortex®-M4
Memory	256KB Flash; 64KB RAM
TX Power	Up to 22dBm
Uplink Channels	8 settable channels with bandwidth of 125kHz
RX Sensitivity	Down to -125dBm@BW = 125 kHz, SF = 7
Spreading factor	SF7 ~ SF10 (Adaptive)
Near field communication way	Bluetooth
Built-in Relay	Yes

INSTALLATIONS



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