













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 Schedulling ON and OFF for each lamp or per panels

Smarter Feature

- · Outdoor implementations
- No fear of sun explosure
- 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 costsaving 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:







INDUSTRIAL ESTATE



RESIDENTIAL



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



+62 813 9999 1485



iki@weiots.io









SMART STREET LIGHT



This innovative smart lamp represents a significant advancement in smart city infrastructure featuring LoRaWAN communication capabilities. LED Lamp integtares 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

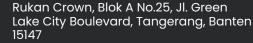


Electrical Parameters

| 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 |













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



















