



# EM500-LGT

## Light Sensor



### ► Introduction

EM500-LGT light sensor is a long range wireless sensor compatible with standard LoRaWAN protocol. Combining with the advanced LoRa technology and 19000mAh battery make it a low power consumption product with years-long use life. It has a wide measuring range from 0 to 100000 lux and good waterproof performance, which suits for smart agriculture, urban lighting and many other applications.

## ► Features

- Up to 11km communication range
- Wide measuring range and high precision
- Standard LoRaWAN protocol
- Easy configuration via NFC
- Ursalink Cloud and third-party platform compliant
- Low power consumption with 19000 mAh replaceable battery
- 1-Year Warranty Included

## ► Applications

- ✓ Smart Buildings
- ✓ Greenhouse Control
- ✓ Weather Monitoring
- ✓ Crop Monitoring

## ► Specifications

LoRaWAN	
Frequency	EU433/CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923
Tx Power	16dBm(868)/20dBm(915)/19dBm(470)
Sensitivity	-147dBm @300bps
Mode	OTAA/ABP Class A
Antenna	Integrated ceramic antenna
Measurement	
Range	0~100000 lux
Accuracy	±0.3%
Resolution	1 lux
Physical Characteristics	
Cable Length	3m
Power Supply	19000 mAh Li-SOCL <sub>2</sub> battery(ER34615)
Operating Temperature	-30°C to +60°C
Ingress Protection	Transceiver: IP66 (IP67 as required) Light Sensor: IP65
Dimension	Transceiver: 105.4 × 71 × 69.5 mm (Waterproof connector is not included) Light Sensor: 64 × 58 × 34 mm
Mounting	Pole, wall, DIN rail

## Operation

Power On & Off	NFC, power button (Internal)
Configuration	Mobile APP or PC software via NFC or USB Type-C

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