

LORA ZHAGA

LAMP CONTROLLER



MODEL: IOT0055 LCU71LW

Application



Street lighting



Area lighting



Park lighting



Ports lighting



Community lighting

Features



LORA transmission, support LORAWAN



Auto-reporting electrical parameters and total energy, remote resetting



With standard ZHAGA(book 18) 4-PIN interface, plug and play



Lamp failure detection and automatic notification for alarms



Remotely turn ON/OFF



Lightning protection



Photocell auto control



IP Grade: IP65



DALI 2.0 protocol, work with D4i and Philips SR series driver



Optional module: Tilt



Remotely read electrical parameters



Optional module: GPS

Basic Information

Input	Voltage Range	12-24VDC
	Transient power	≤2W
	Static Power	<1W

DALI Information

Mode	DALI / SR / DALI 2.0 / D4i
Bus voltage	23V DC
Input current	60mA

Working Environment

Temperature	-40 ~ +85°C
Humidity	<95%
IP Grade	IP65
Size	Diameter 84mm, Height 48mm
Weight	0.1KG

Data Reading

Voltage Detection	Yes
Current Detection	Yes
Data Accuracy	≤3%
Active Power Calc	Yes
Power Factor Calc	Yes
Energy Record	Yes

Communication

Transmission	LORA	
Model	LCU71LW-A	LCU71LW-E
Frequency	AS923	EU868
Receiver Sensitivity	-135±1dBm(@SF=12)	
Transmit power	19.5dBm	
Speed	ADR (SF9 to SF12)	
Communication mode	CLASS-C	
Protocol specification	LORAWAN1.0.2	

Functions

Failure Report	Automatically report, query to report
Failure Type	Lamp failure, power failure, over voltage, over current, under voltage
Task Mode	Photocell auto control, threshold configurable, Support local scheduled task
Energy Record	Record total energy consumed and reset