



iCell

Wireless Lamp Controller



iCell

Wireless Lamp Controller LCU2000

Product Description

- Zigbee communication, auto-Mesh
- Standard 5 lines NEMA interface for easy installation
- Remote switch on/off, maximum internal 16A relay outputs
- Dimming interface: 0-10V (PWM can be customized)
- Remote reading functions current, voltage, power, power factor, electric energy
- LED lamp failure detection function
- Fault reporting functions
- Lightning protection function
- Off-line task function
- IP65

Option

- Built-in GPS
- Built-in photocell
- Built-in tilt sensor

Application

- Single Lamp, LED Drive Power
- Tunnel Lighting, Street Lighting, Landscape Lighting



Technical Specifications

PARAMETER	VALUE	
RELAY PARAMETER		
		1 Route, 250V/16A
AC Input Parameter	Voltage Range	96V - 264VAC
	Frequency Range	50 - 60Hz
	Current Range	0 - 2A
	Static Power Consumption	<2W
AC Output Parameter	Voltage Range	AC Input Voltage
	Frequency Range	50 - 60Hz
	Current Range	0 - 2A
	Maximum Load Power	≤500W
DATA READ INSTRUCTIONS		
Voltage Detection Range	96V - 264V AC	
Current Detection Range	0 - 2A	
Data Detection Accuracy	≤3%	
Active Statistics	Yes	
Power Factor Calculated	Yes	
Energy Statistics	Power Accumulated Daily	
DIMMING MODE		
Dimming Mode	PWM (can be customized)	Analog Voltage
Output Parameters	5V, 400Hz	0 - 10V/10mA
Explanation	Preset 100% Dimming of PWM = 1 or PWM = 0	Preset 100% Dimming for 10V, or 0V Output
OTHER FUNCTIONS		
Fault Information Reporting	Initiative and Enquiry Report	
Lamp Failure Information	Lamp Failure	
COMMUNICATION PERFORMANCE		
Communication Mode	RF	
Route Pattern	MESH	
Communication Distance	200M (Visual Range)	
Frequency	915MHz	
Frequency Range	902MHz - 928MHz	
Frequency Channel Quantity	10 Channels	
Communication Rate	250Kbps	
BASIC OPERATING ENVIRONMENT		
Temperature	-40°C +85°C	
Relative Humidity	<95%	
IP Rating	IP65	
Dimensions	Diameter 84mm, Height 98mm	
Weight	242g	
OPTIONS		
Built-in GPS		
Built-in photocell		
Built-in tilt sensor		



TST

31 Brisbane Street
Eltham Victoria 3095

www.aldridgetraffic.com.au

NSW

P: +61 2 9736 3677
F: +61 2 9736 3391
e: info@traffictld.com.au

VIC

P: +61 3 9430 0222
F: +61 3 9430 0244
e: info@traffictld.com.au

SA

P: +61 8 8362 2385
e: info@traffictld.com.au

NT

P: +61 8 8947 0733
F: +61 8 8947 0713
e: info@traffictld.com.au

ACT

P: +61 2 6299 7922
F: +61 2 6299 7977
e: info@traffictld.com.au

WA

P: +61 8 9248 1002
F: +61 8 9209 2288
e: info@traffictld.com.au

QLD

P: +61 7 3266 1900
F: +61 7 3266 2244
e: info@traffictld.com.au

TAS

P: +61 3 6273 1177
F: +61 3 6273 1759
e: info@traffictld.com.au

UNITED KINGDOM

P: +44 (0) 1159 223 797
F: +44 (0) 1159 223 836
e: info@aldridgetraffic.co.uk