

# OnCloud Adapter

Smart Adapter, 12-24V, Wi-Fi + Bluetooth  
Control Devices

Job Information		
Project Name		Type
Location		
Quantity		Date
Contact/Phone		
Notes		

## Features

### Body

Durable plastic housing with all electrical parts inside. All connection to the Adapter is using electrical cable.

### Connectivity

Integrated certified IEEE 802.11 b/g/n Wi-Fi 2.4Ghz radio and Bluetooth V4.2.

### Easy Installation

The Smart Wi-Fi Adapter is connected between any low-voltage (12V-24V) LED non-dimming driver and a compatible LED fixture. NO HUB REQUIRED.

### WiZ App

The smart Wi-Fi Adapter can be controlled via the WiZ app (works with

iOS and Android) from anywhere. Voice control can also be achieved by integrating the app with most smart speakers. Works with Google Assistant, Siri, Alexa and IFTTT.

### Operating Temperature

-20°C~50°C (23°F~113°F)

### Environment

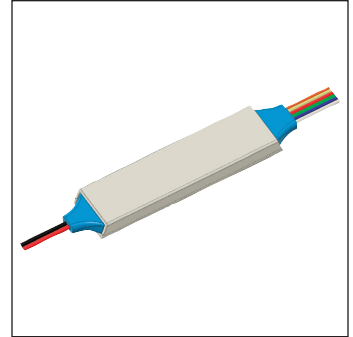
- Dry locations only.
- Suitable for indoor use only.

### IMPORTANT NOTES

- Wi-Fi network required (2.4Ghz only).

## SPECIFICATION

Input Voltage	12~24V dc (constant)
LED Driving Current	1.7A max. per channel 1.7A max. on all channels
Dimming Control	Pulse Width Modulation (PWM), 200Hz
Bluetooth Protocols	V4.2 BR/EDR and BLE specification
Wi-Fi Frequency	2.4Ghz
Wi-Fi Protocols	802.11 b/g/n
Encryption	Wi-Fi: WPA2 TCP: TLS1.2
Network Protocols	IPv4, TCP/UDP, HTTPS, MQTT
Software Upgrade	Automated and transparent, from Cloud
Warranty	3-Year



## Description

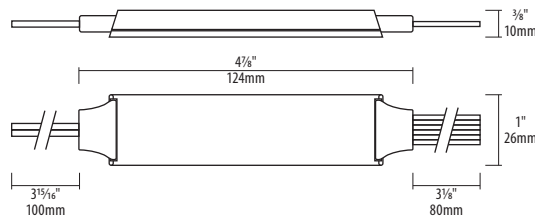
The OnCloud Adapter is an integrated constant voltage LED driver and a Wi-Fi + Bluetooth controller module, which allows the control of constant voltage LED load in a lighting fixture via the WiZ App.



**Notes:** Accessories are sold separately. For additional options please consult your Liteline representative.

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

## Technical Drawings



## Wires and Function

DC INPUT			LED OUTPUT		
Signal	Wire Color	Function	Signal	Wire Color	Function
+	Red	Power Input (Positive)	Vcc	Orange	LED "+" (Common)
-	Black	Power Input (Negative)	WW	Yellow	Warm White LED "-"
			R	Red	Red LED "-"
			G	Green	Green LED "-"
			B	Blue	Blue LED "-"
			CW	White	Cool White LED "-"

## Ordering Guide

### LC-DVR-CV96W1

#### Product Line (Channels)

FSL-1C : FOSSIL, 1 Channel<sup>1</sup>  
KL-1C : KLICK, 1 Channel<sup>1</sup>  
KLB-1C : KCLICK BAR, 1 Channel<sup>1</sup>  
KLB-2C : KCLICK BAR, 2 Channel<sup>2</sup>  
KLB-5C : KCLICK BAR, 5 Channel<sup>3</sup>  
STEP-1C : STEP LIGHT, 1 Channel<sup>1</sup>  
TP-1C : TAPE, 1 Channel<sup>1</sup>  
TW10-2C : TUNABLE WHITE TAPE, 2 Channel<sup>2</sup>

MT03-5C : MOOD TAPE 3W/M, 5 Channel<sup>3</sup>  
MT04-5C : MOOD TAPE 4W/M, 5 Channel<sup>3</sup>  
MT06-5C : MOOD TAPE 6W/M, 5 Channel<sup>3</sup>  
CT10-5C : COLOR TAPE 10W/M, 5 Channel<sup>3</sup>  
UCP-1C : UNDER CABINET, 1 Channel<sup>1</sup>  
UCP-2C : UNDER CABINET, 2 Channel<sup>2</sup>  
UCP-5C : UNDER CABINET, 5 Channel<sup>3</sup>

## Accessories



### LC-CRTL-SCENE-1

OnCloud Room Controller, 120V.



### LC-CRTL-RMT01WIZ-BK

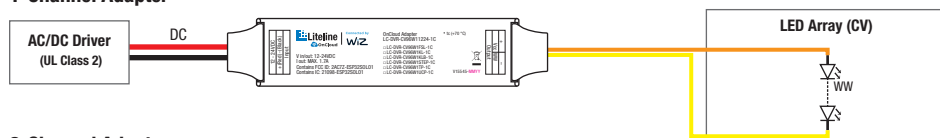
OnCloud multi-function remote control.

### Notes:

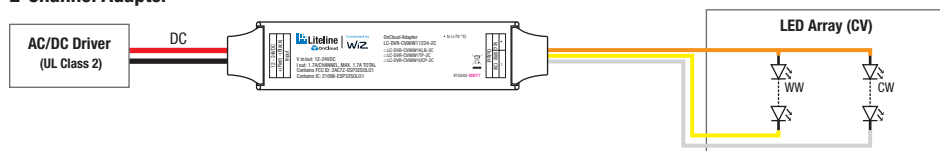
<sup>1</sup> ON / OFF / Wireless Dimming. <sup>2</sup> ON / OFF / Wireless Dimming / Tunable White. <sup>3</sup> ON / OFF / Wireless Dimming / Tunable White / RGB.

## Wiring Diagram

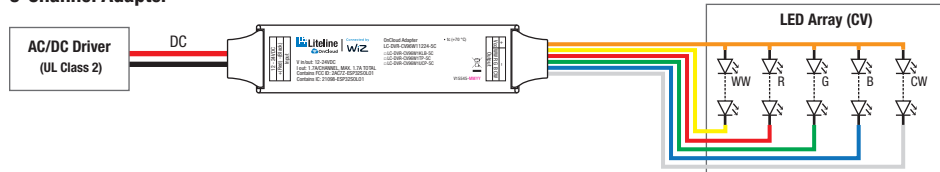
### 1-Channel Adapter



### 2-Channel Adapter



### 5-Channel Adapter



\* The Adapter requires a DC power source of 12~24V. DC input voltage must match the operating voltage of the LED array (eg. if the LED array operating voltage is 24V, the power source must also be 24V).

\*\* The output current capability of the power source must be enough for driving the Adapter and LED array.