

High Power 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 Wi-Fi 2.4Ghz radio and Bluetooth V4.2.

Easy Installation

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

WiZ App

The High Power OnCloud 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 (IP20).

IMPORTANT NOTES

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

SPECIFICATION

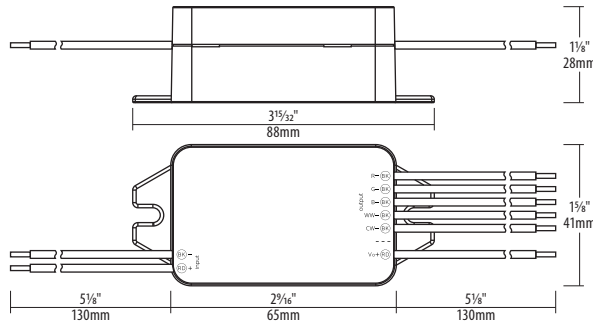
Input Voltage	12~24V dc (constant voltage)
LED Driving Current	12V 5.0A max. per channel 24V 4.0A max. per channel 24V 4.0A max. on all channels
Dimming Control	Pulse Width Modulation (PWM), 2KHz
Bluetooth Protocols	V4.2 BR/EDR and BLE specification
Wi-Fi Frequency	2.4GHz
Wi-Fi Protocols	802.11 b/g
Encryption	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 High Power OnCloud Adapter is a Wi-Fi + Bluetooth controller module which allows the control of constant voltage LED loads via the WiZ App.

Technical Drawings



Ordering Guide

Product Line (Channels)	
OC-DVR-CV96W1	
FSL-1C : FOSSIL, 1 Channel ¹	
KL-1C : KLICK, 1 Channel ¹	
KL-1C : KLICK BAR, 1 Channel ¹	
KL-2C : KLICK BAR, 2 Channel ²	
KL-5C : KLICK BAR, 5 Channel ³	
STEP-1C : STEP LIGHT, 1 Channel ¹	
TP-1C : TAPE, 1 Channel ¹	
TW10-2C : TUNABLE WHITE TAPE, 2 Channel ²	
MT03-5C : MOOD TAPE 3W/M, 5 Channel ³	
MT04-5C : MOOD TAPE 4W/M, 5 Channel ³	
MT06-5C : MOOD TAPE 6W/M, 5 Channel ³	
CT10-5C : COLOR TAPE 10W/M, 5 Channel ³	
CT19-5C : COLOR TAPE 19W/M, 5 Channel ³	
UCP-1C : UNDER CABINET, PUCK, 1 Channel ¹	
UCP-5C : UNDER CABINET, PUCK, 5 Channel ³	

Notes:

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

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.

Accessories



LC-CRTL-SCENE-1
OnCloud Room Controller, 120V.



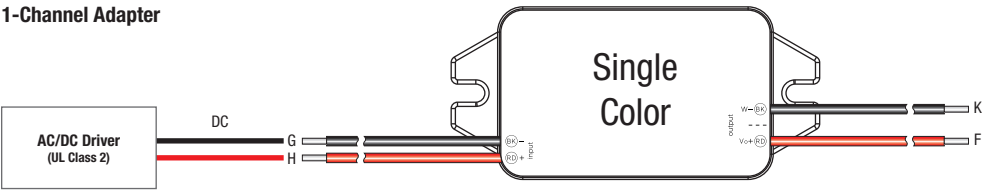
LC-CRTL-RMT01WIZ-BK
OnCloud multi-function remote control.



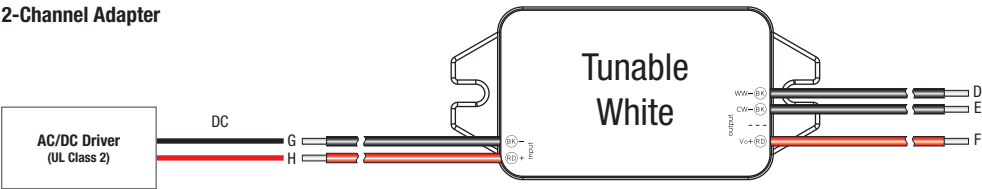
* The Adapter requires a DC power source of 12~24V. DC input voltage must match the operating voltage of the LED array (eg. if the LED array operating voltage is 24V, the power source must also be 24V).
** The output current capability of the power source must be enough for driving the Adapter and LED array. See SPECIFICATION section above for current limitations.

Wiring Diagram

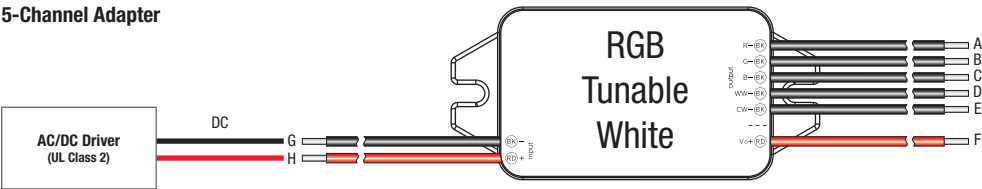
1-Channel Adapter



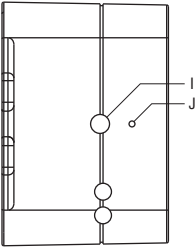
2-Channel Adapter



5-Channel Adapter



Side view



	Item	Definition
A	R (-) - Black	Output: R LED
B	G (-) - Black	Output: G LED
C	B (-) - Black	Output: B LED
D	WW (-) - Black	Output: Warm White LED
E	CW (-) - Black	Output: Cool White LED
F	Vo (+) - Red	Output: LED V+
G	V (-) - Black	Input: DC power supply negative input
H	V (+) - Red	Input: DC power supply positive input
I	Push button	Reset button
J	LED light	LED indicator light
K	W (-) - Black	Output: LED V-