Omni TED

Trailing Edge Dimmer

lumos CONTROLS
A WISILICA BRAND

INSTALLATION AND QUICK START SHEET

Do's	Don'ts
Installation should be performed by a qualified electrician	Don't use outdoors
Installation shall be in accordance with all applicable local and NEC codes	Avoid input voltage exceeding maximum rating
Turn the power OFF at circuit breakers before wiring	Don't dissemble the products
Observe the correct polarity of output terminal	-

WARNING AND GUIDELINES!!!

Read and follow all safety instructions!!

DO NOT INSTALL DAMAGED PRODUCT! This product has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.

WARNING : TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE WIRING

WARNING: Risk of Product Damage

- Electrostatic Discharge (ESD): ESD can damage product(s). Personal grounding equipment should be worn during all installation or servicing of the unit
- Do not stretch or use cable sets that are too short or are of insufficient length
- Do not modify the product
- Do not mount near gas or electric heater
- Do not change or alter internal wiring or installation circuitry
- Do not use product for anything other than its intended use

WARNING - Risk of Electric Shock

- Verify that supply voltage is correct by comparing it with the product information
- Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements
- All wiring connections should be capped with UL approved recognized wire connectors
- All unused wiring must be capped

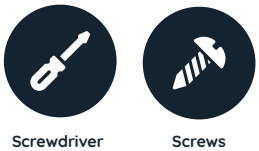
Specifications	Value	Remarks
Input voltage	120-277VAC	Rated Input voltage
Supply frequency	50-60Hz	–
Inrush current protection	75A	–
Surge transient protection	4kV	L-N, Bi wave
Dimming operation mode	Trailing edge	–
Max output power	250W	250W @277VAC; 125W @120VAC
Min power requirement	None	Active power
Frequency range	2402-2483MHz	–
Tx power	8dBm	With 150mm external wire antenna
Rx sensitivity	-95dBm	–
Connection distance (Device to device by mesh)	45m(147.6ft)	In an open office environment (Line of Sight)
Operating temperature	-20 to 50°C(-4 to 122°F)	–
Storage temperature	-40 to 80 °C (-40 to 176°F)	–
Relative humidity	85%	–
Dimensions	43 x 35 x 20mm (1.69 x 1.38 x 0.79 in)	–
Weight	120g(4.23oz)	L x W x H
Case material	ABS Plastic	–
Flammability rating	UL 94 V-0	–

PRODUCT OVERVIEW

Omni TED is a BLE5.2 controllable, trailing edge dimmer. It operates on 120-277VAC input voltage range and can work with single LED loads of up to 250W and has output to connect a switch.

The device is a part of the Lumos Controls ecosystem, including controllers, sensors, switches, modules, drivers, gateways, and analytical dashboards. It can be easily commissioned, configured and controlled from any mobile device and can be connected to Lumos Controls cloud for data analytics and configuration management. The ecosystem is listed by the Design LightsConsortium (DLC), qualifying it for energy conservation incentive programs and rebates by utility companies.

REQUIRED TOOLS & SUPPLIES

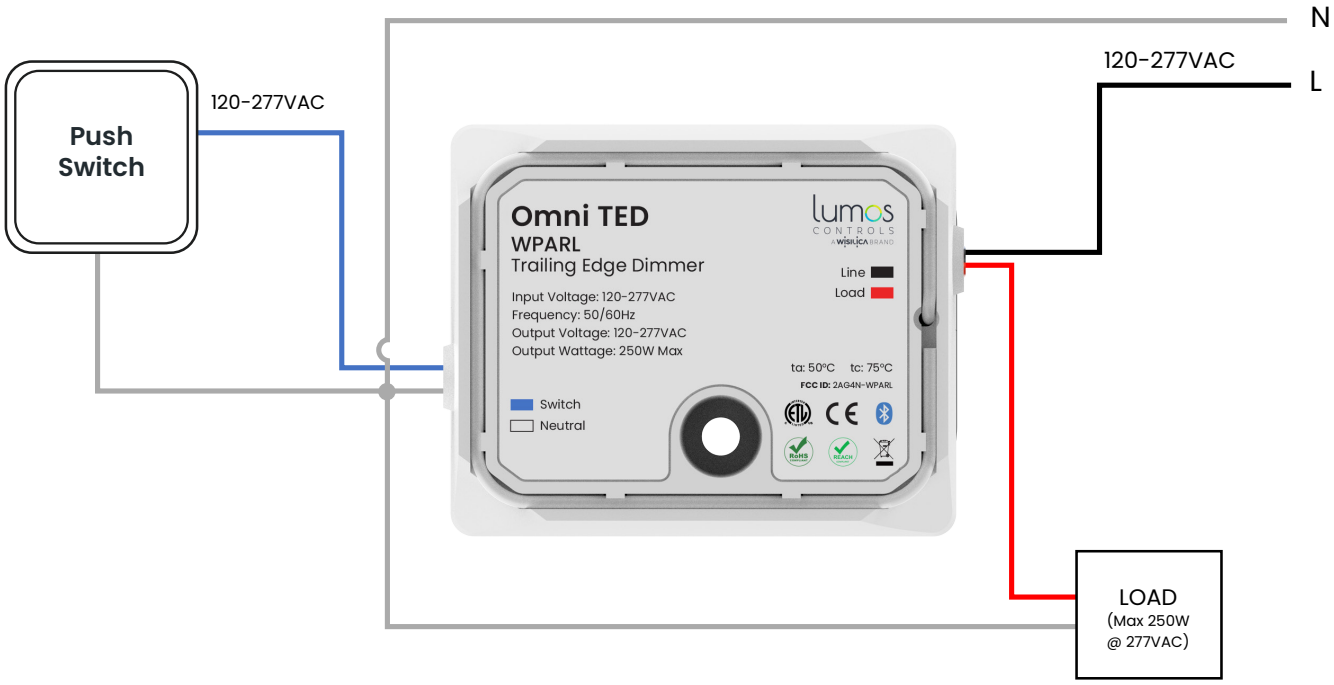


Screwdriver Screws

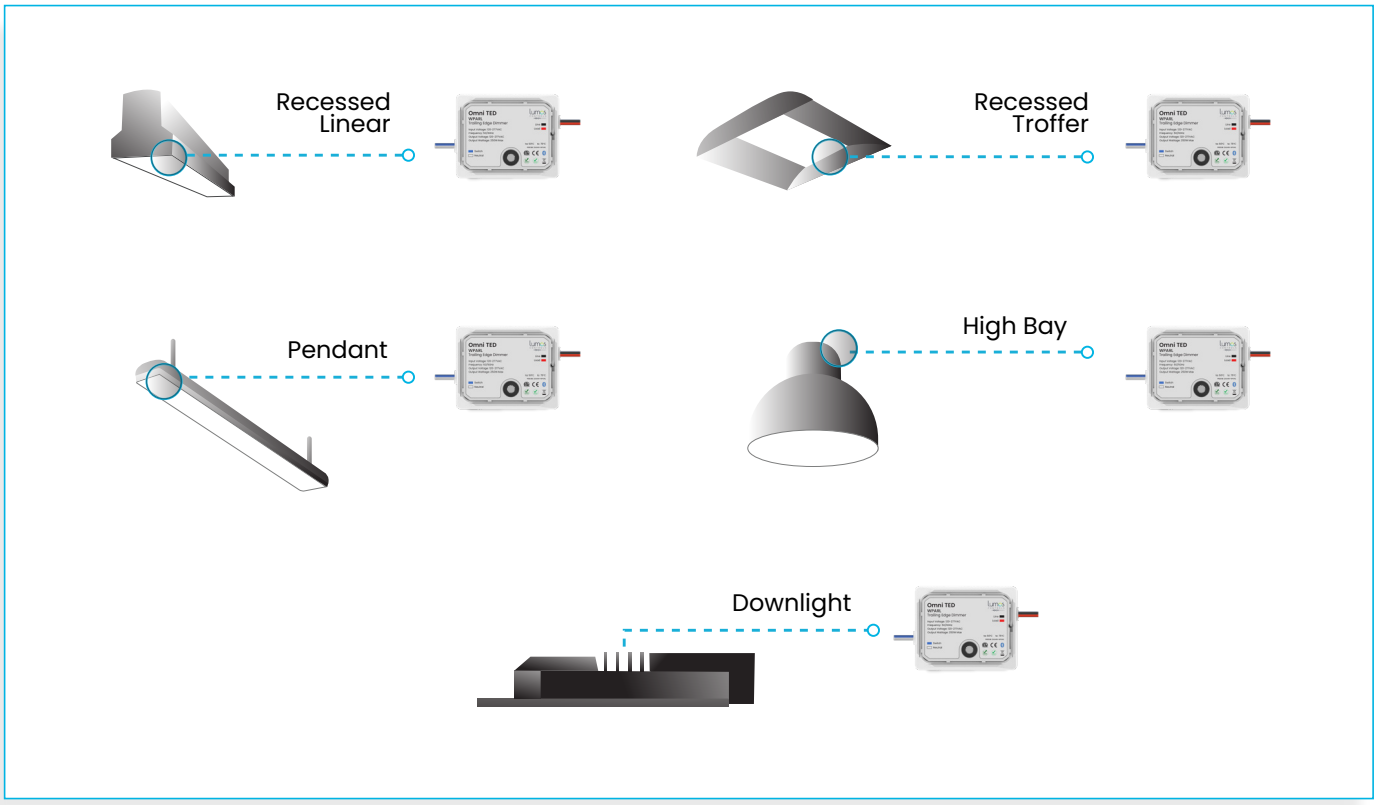
INSTALLATION INSTRUCTIONS

1. Turn OFF the power before wiring and installing the device.
2. The phase dimmer with a compact formfactor can be installed anywhere within the light fixtures, or within junction boxes. The screw hole available on the phase dimmer can be used to fix it firmly.
3. To power the phase dimmer, connect the AC line and neutral wires from the mains supply to the line (black color), and neutral (white color) of the device.
4. To control TRIAC drivers, connect the load (red color) ,and neutral(white color) wires of the phase dimmer to the line and neutral of the driver.
5. To power a dimmer switch, connect the switch (blue) and neutral (white) wires of the phase dimmer to the line and neutral of the switch.

WIRING



On the extrusion or on top of the fixture



Mounting Steps- Standard

Install the electrical box as per the local, state& national electrical codes and requirements

- Turn power OFF at circuit breaker and ensure the power is OFF before wiring
- Use electrical screw driver to remove three ½ inch knockouts (KO) from the junction box and they can be used for feeding Omni TED, mains input and connections to the driver.
- Take the AC line and neutral main wires through another KO hole of junction box.
- Connect the line(black) and neutral wires(white) of the Phase Dimmer with the line and neutral wires from mains.
- Take the Line and neutral wires from the driver in to the J-box through another knockout hole.
- To power the driver, connect the Load (Red color) of Omni TED with Input Line of driver. Common neutral (White color) with input neutral of driver.
- Install electrical box cover plate
- Restore power to the circuit breaker

APPLICATION

TROUBLESHOOTING

Device doesn't operate immediately after power ON	Check whether the wiring is proper
Lights flickering	• The connection is not appropriate • The wires are not secured firmly with connectors
Lights did not turn ON	• Circuit breaker tripped • Fuse has blown • Inappropriate wiring

COMMISSIONING

Once powered up, the device will be ready to be commissioned via the Lumos Controls mobile app, available for free download on iOS and Android. To begin commissioning, click the '+' icon from the top of the 'Devices' tab. The app allows you to preset certain configurations which will be loaded after the device is added. The pre-configurations made using 'Commissioning Settings' will be sent to the devices being commissioned.

Once commissioned, the device will be displayed in the 'Devices' tab and you can perform individual operations like ON/OFF/dimming from this tab.

Please visit Help center for more details

WARRANTY

5-year limited warranty
Please find warranty terms and conditions
Note: Specifications may change without notice
Actual performance can vary due to end-user environment and application

LUMOS CONTROLS APPLICATION

Download the '**Lumos Controls**' application from Play Store or App Store

OR

Scan the QR codes to download the '**Lumos Controls**' application

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