



TOKISTAR LIGHTING INSTRUCTION MANUAL

LDR24-96 24VDC/96 WATT LED DRIVER

General

Tokistar's LDR24-96 is a 96 Watt Class 2 LED Driver used to convert an AC input into a 24VDC output. It may be operated from a wide range of input voltages.

Warning!

Do Not Connect Input Wires to Dimmer.
This Will Damage the Driver.

Input Connections

With power off, connect the AC input wires to the LED Driver using the proper UL approved wire nuts or other secure connection means. The **Brown** wire from the unit should connect to the incoming AC Line wire. The **Blue** wire from the unit should connect to the incoming **White** AC Neutral wire. The **Yellow/Green** wire from the unit should connect to the incoming AC Ground wire.

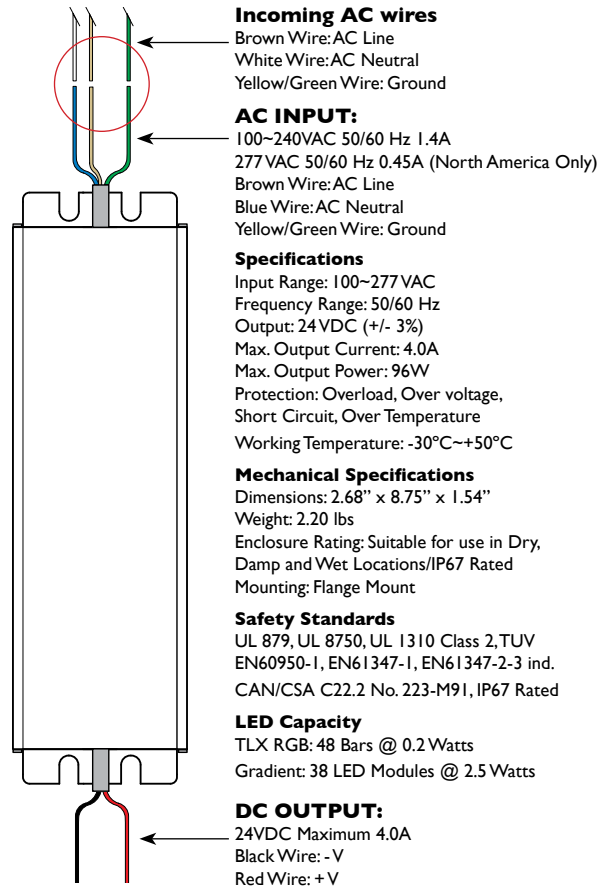
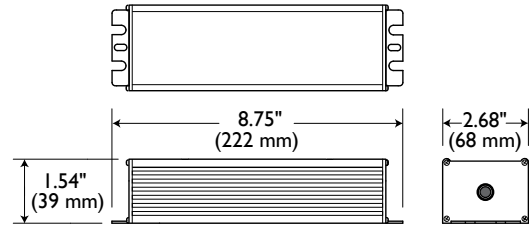
(Note: The complete metal case is referenced to AC ground upon proper installation of AC input wires.)

Check For Proper Output Voltage

Make sure secondary wires are not touching each other or conductive surface. Turn on the AC supply and test the output voltage to ensure it is 24 VDC. Turn off the AC Supply.

Output Connections

With power off, connect the LED Driver's DC output wires to the LED lighting fixture using the proper UL approved wire nuts or other secure connection means. The **Black** wire from the unit should connect to the lighting fixture's DC negative '-' input. The **Red** wire from the unit should connect to the lighting fixture's DC positive '+' input.



⚠ PRECAUTIONS

1. Read all instructions completely before beginning installation.
2. Turn off electricity before beginning installation.
3. All wiring is to be performed by a qualified electrician.
4. Installation must comply with the National Electrical Code, and all applicable codes.
5. Turn main supply to LED Driver on only after all connections are made and tested.
6. Use only LED Drivers provided by Tokistar with the system.

TOKISTAR® LIGHTING

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CLG-100-24

24VDC/96 WATT LED DRIVER

Output Connections

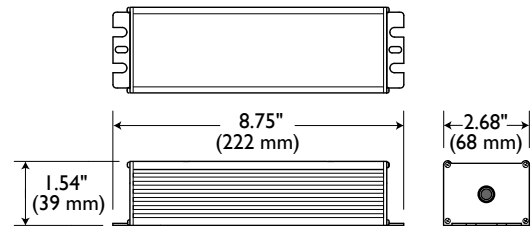
Connect the LED Driver's DC output wires to the LED lighting fixture. The wire connections are made within the LED Driver's DC wiring compartment, using wire nuts or other appropriate electrical connection. The **Black wire** from the unit should connect to the lighting fixture's DC negative '-' input. The **Red wire** from the unit should connect to the lighting fixture's DC positive '+' input. The LED lighting fixture DC input wires can be secured to the LED Driver by attaching conduit pipe with conduit fittings or cord and cord fittings to the LED Driver's ½" knockout.

Check For Proper Operation

Once all wiring is completed, turn on the AC supply to check for proper LED lighting system operation. Once proper operation is confirmed, turn off the AC supply and then re-install the top cover of the LED Driver using the 4 screws and Philips screwdriver. Ensure the plastic washers are installed on each screw before re-installation. It is also important to ensure all wiring is maintained within each wiring compartment to prevent wires from being pinched between the cover's gasket and the unit's case.

(Note: In outdoor installations, or any installation in wet locations, tighten the screws using a torque controlled screwdriver with a torque setting of 4.0 to 6.0 inch pounds.)

Tokistar Systems are ETL Listed when operated from our LED Driver.



Specifications

Input Range: 90~265 VAC
Frequency Range: 47/63 Hz
Output: 24 VDC (Adjustable +10% / -25%)
Max. Output Current: 5.0A
Max. Output Power: 96W
Protection: Overload, Overcurrent, Short Circuit, Over Temperature
Operating Temperature: -30°C to +75°C

Mechanical Specifications

Dimensions: 2.68" x 8.75" x 1.54"
Weight: 2.20 lbs
Enclosure Rating: Nema 4/IP67
Mounting: Flange Mount
Connection:

Compliance/Safety

Standards: UL Recognized Class 2/EN60950

LED Capacity

TLX RGB: 48 Bars
Gradient: 38 LEDs

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