



# TOKISTAR LIGHTING INSTRUCTION MANUAL

## LDR24-4A

## 24VDC/96 WATT LED DRIVER

### General

Tokistar's LDR24-4A 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

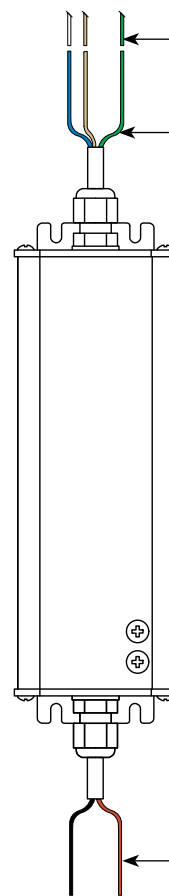
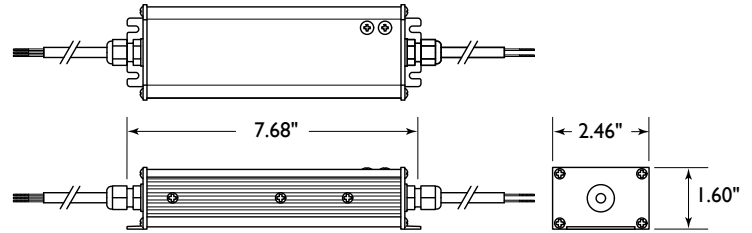
With power off, connect the AC input wires to the LED Driver using the proper UL approved wire nuts or other secure connection means. The **Brown** wire from the unit should connect to the incoming AC Line wire. The **Blue** wire from the unit should connect to the incoming **White** AC Neutral wire. 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 24VDC. 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.



#### Incoming AC wires

Brown Wire: AC Line  
White Wire: AC Neutral  
Yellow/Green Wire: Ground

#### AC Input:

100-240VAC 50/60 Hz 1.4A  
277 VAC 50/60 Hz 0.45A (North America Only)

Brown Wire: AC Line  
Blue Wire: AC Neutral  
Yellow/Green Wire: Ground

#### Specifications

Input Range: 100-277VAC  
Frequency Range: 50/60 Hz  
Output: 24VDC (+/- 3%)  
Max. Output Current: 4.0A  
Max. Output Power: 96W  
Protection: Overload, Over voltage,  
Short Circuit, Over Temperature  
Working Temperature: -30°C~+50°C

#### Mechanical Specifications

Dimensions: 2.46" x 7.68" x 1.60"  
Weight: 600g / 1.32 lbs  
Enclosure Rating: Suitable for use in Dry,  
Damp and Wet Locations/IP66 Rated  
Mounting: Flange Mount

#### Safety Standards

UL8750, CSA C22.2 No. 250.0-08, TUV  
EN61347-1, EN61347-2-13, IP66, J61347-1,  
J61347-2-13 approved

#### Capacity

**TokiLux Light Bars**  
4.0 Watt Light Bars: 24 each  
2.4 Watt Color Bars: 40 each

**Advantage XF Series**  
0.72 watt LEDs: 133 pieces

#### DC Output:

24VDC Maximum 4.0A  
Black Wire: -V  
Red Wire: +V

## ⚠ 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

1015 E. Discovery Lane  
Anaheim, CA 92801

TEL: 714 772 7005 FAX: 714 772 7014  
email: info@tokistar.com Website: tokistar.com