

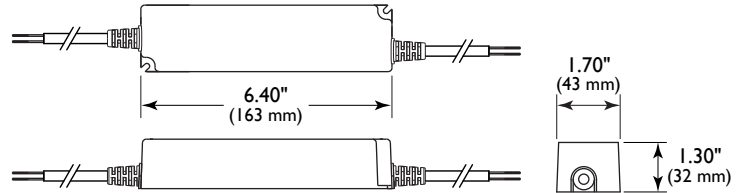


# TOKISTAR LIGHTING INSTRUCTION MANUAL

## LDR24-40 24 VDC/40 WATT LED DRIVER

### General

Tokistar's LDR24-40 is a 40 Watt Class 2 LED Driver used to convert an AC input into a 24 VDC 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 AC Neutral wire.

### 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.



#### AC Input:

100~240VAC 50/60 Hz 0.6A  
277VAC 50/60 Hz 0.25A (North America Only)  
Brown Wire: AC Line  
Blue Wire: AC Neutral

#### Specifications

Input Range: 100~277VAC  
Frequency Range: 50/60 Hz  
**Output:** 24VDC (+/- 4%)  
Max. Output Current: 1.67A  
Max. Output Power: 40W  
Protection: Overload, Over Voltage,  
Short Circuit, Over Temperature  
Working Temperature: -40°C~+50°C

#### Mechanical Specifications

Dimensions: 1.70" x 6.40" x 1.30"  
Weight: 440g / 1.0 lbs  
Enclosure Rating: Suitable for use in Dry,  
Damp and Wet Locations/IP67 Rated  
Mounting: Flange Mount

#### Safety Standards

UL8750, CSA C22.2 No. 250.0-08, ENEC  
EN61347-1, EN61347-2-13 independent, EN62384,  
IP67, J61347-1, J61347-2-13 approved; design refer  
to UL60950-1, TUV EN60950-1

#### Capacity

**Micro Tracklight & Micro Downlight**  
1.6 Watt LED Modules: 25 each

#### DC Output:

24VDC Maximum 1.67A  
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.
7. Do Not Expose the LED Driver to direct sun light.

## TOKISTAR® LIGHTING

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