



TOKISTAR LIGHTING INSTRUCTION MANUAL

LDR24-96 24 VDC/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 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 **White** AC Neutral wire. The **Yellow/Green** wire from the unit should connect to the incoming AC Ground wire.

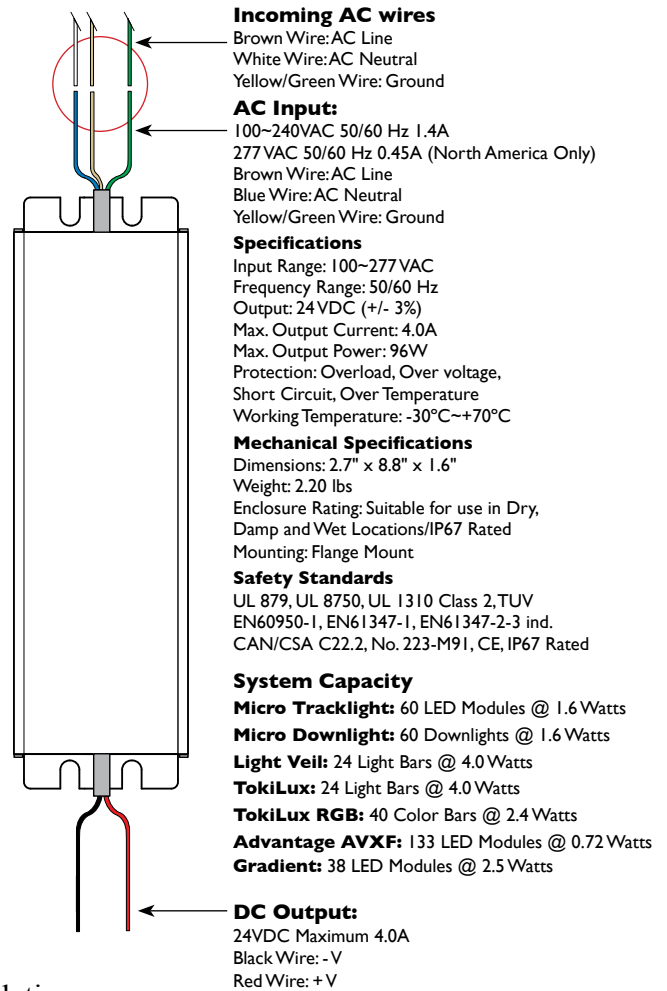
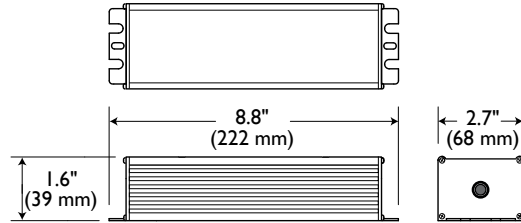
(Note: The complete metal case is referenced to AC ground upon proper installation of AC input wires.)

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.



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~+70°C

Mechanical Specifications

Dimensions: 2.7" x 8.8" x 1.6"
Weight: 2.20 lbs
Enclosure Rating: Suitable for use in Dry,
Damp and Wet Locations/IP67 Rated
Mounting: Flange Mount

Safety Standards

UL 879, UL 8750, UL 1310 Class 2, TUV
EN60950-1, EN61347-1, EN61347-2-3 ind.
CAN/CSA C22.2, No. 223-M91, CE, IP67 Rated

System Capacity

Micro Tracklight: 60 LED Modules @ 1.6 Watts

Micro Downlight: 60 Downlights @ 1.6 Watts

Light Veil: 24 Light Bars @ 4.0 Watts

TokiLux: 24 Light Bars @ 4.0 Watts

TokiLux RGB: 40 Color Bars @ 2.4 Watts

Advantage AVXF: 133 LED Modules @ 0.72 Watts

Gradient: 38 LED Modules @ 2.5 Watts

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

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