

NEVALO* LED Driver

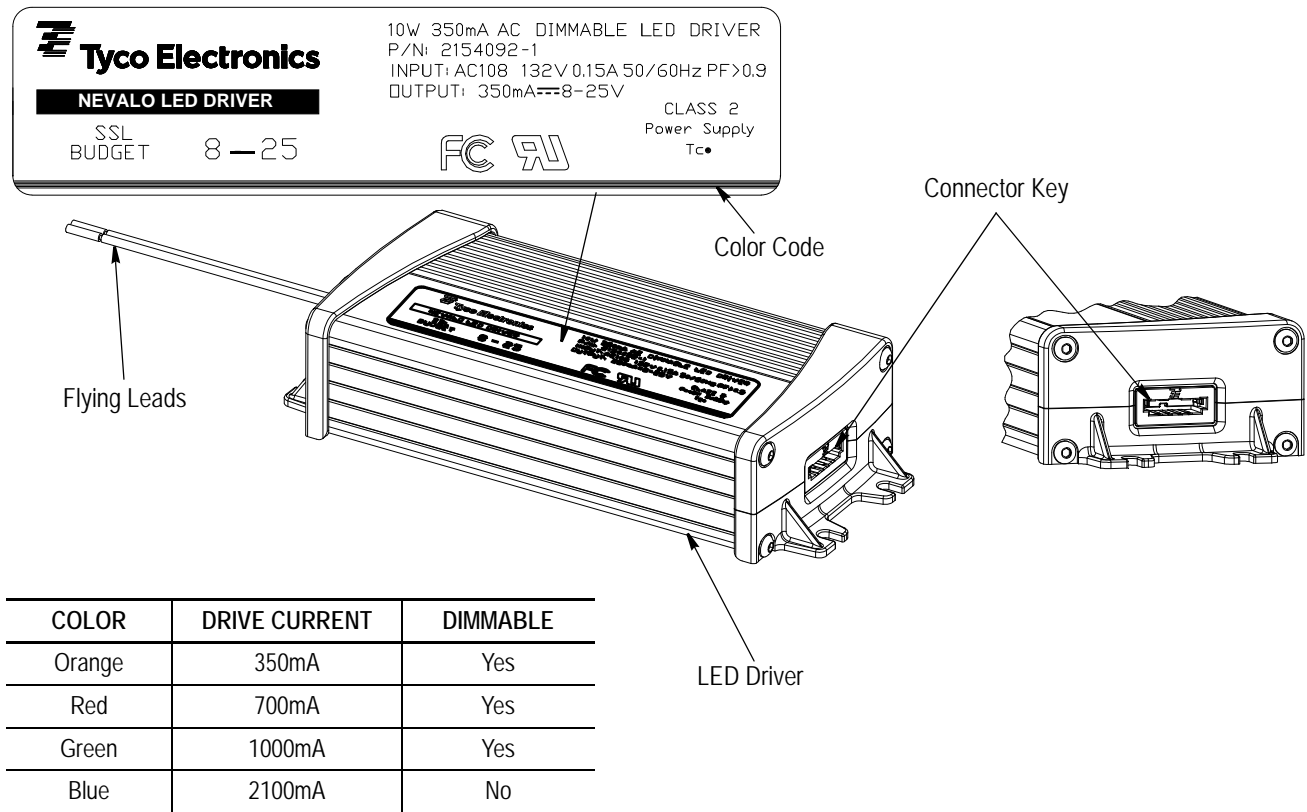


Figure 1

1. INTRODUCTION

This instruction sheet provides assembly procedures for the NEVALO LED Driver. This driver is designed to be a part of a complete LED lighting interconnect solution. The NEVALO LED Driver mates to the Feed-Thru, Straight, and Right-Angle connectors. These connectors are insulation displacement contacts (IDC) and are terminated to ribbon cable. A terminator connector is placed on the free end to create a series circuit between all connectors and the driver.

Read these instructions carefully before assembling the NEVALO LED Drivers with any connectors.

NOTE *Dimensions on this sheet are in millimeters [with inch equivalents provided in brackets]. Figures and illustrations are for identification only and are not drawn to scale.*

2. DESCRIPTION

NEVALO LED Drivers operate at a temperature range of -20° to 60°C [-4° to 140°F] with an operating humidity of 5% to 85% (non-condensing).

NOTE *It is recommended the maximum temperature be verified at the thermocouple probe point on the case (marked "Tc") in the lower right corner of the label.*

These drivers are available in four drive currents and are coded with four colors. All have a molded keying feature that corresponds to keying features on the mating interconnects to prevent over/under powering of light modules. See Figure 1.

All NEVALO LED Drivers should be used with corresponding colored ribbon cable, light modules, and interconnects. Refer to Application Specifications 114-13290, 114-13293, and 114-13297. Figure 2 shows connector orientations and color code locations.

3. DRIVER FEATURES

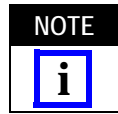
NEVALO LED Drivers are supplied with 18 AWG stranded Flying Leads.

NOTE *Black wire connects to line voltage.
White wire connects to neutral.
Green wire connects to ground (if equipped).*

CAUTION *Connect input leads to proper AC Input voltage as specified on the driver label.*

The driver has over-voltage protection. The driver will latch-off under over-voltage conditions. Connect to LED load before turning on. Power up without LED load will result in an over-voltage condition. If LED load is not connected before powering on, connect the correct LED load and cycle power to restart.

The driver has output short circuit protection. Driver will auto-restart when output short circuit condition is corrected. The driver also has output over-temperature protection. Driver will shut off (latch-off) when over-temperature condition is detected. Correct over-temperature condition and cycle power to restart.



For power cycling, remove power from driver and wait ten seconds before reapplying power.

4. MOUNTING HARDWARE

NEVALO LED Drivers have two screw slots on each end for mounting. The slots are designed to accept M3 screws. The screws are to be torqued from 0.28 to 0.45 N•m [2.5 to 4.0 in.-lbf].

5. REVISION SUMMARY

- Corrected name in Figure 1
- Added new NOTE to Section 3

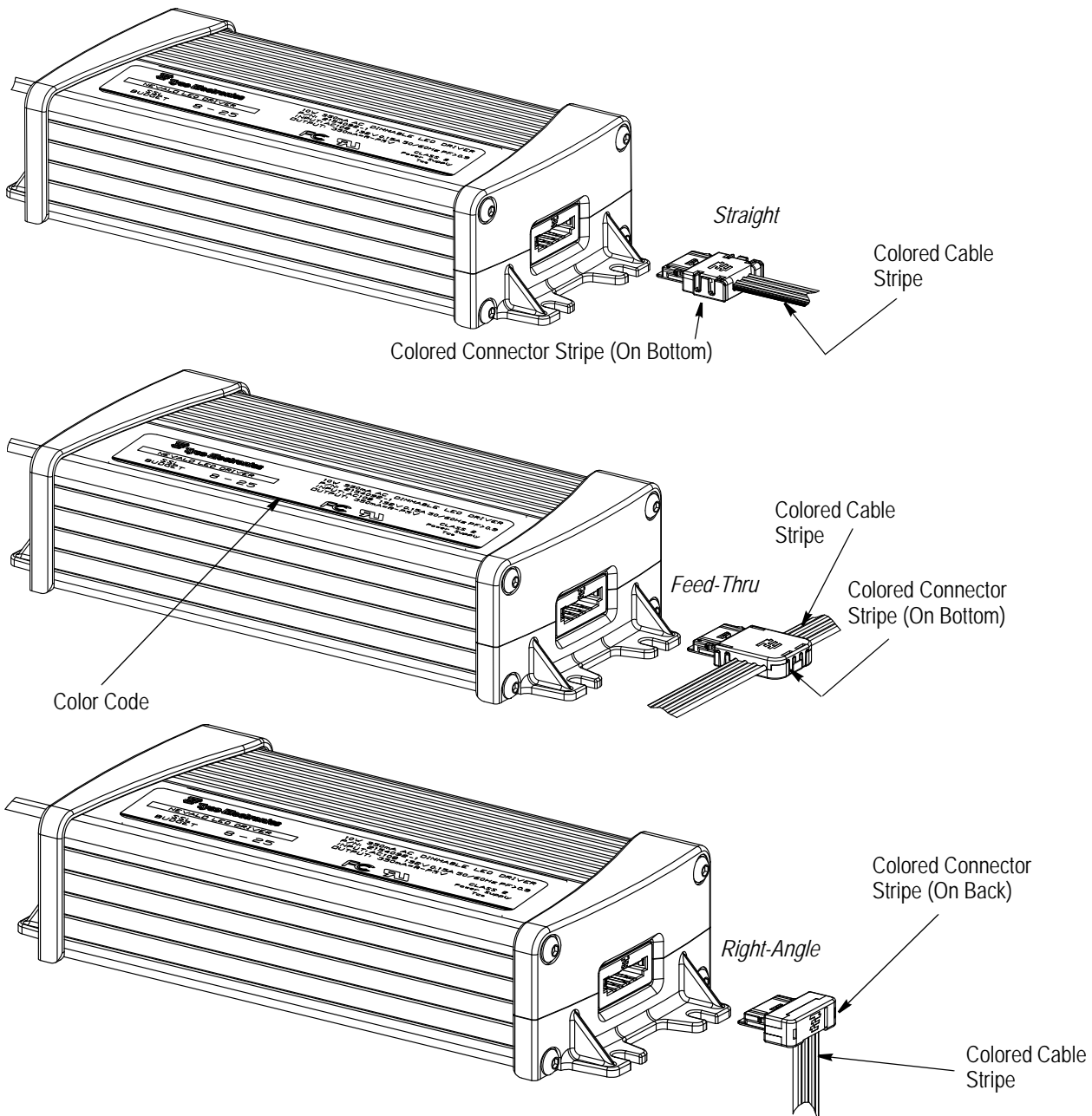


Figure 2