



EYE-TL Series

Twist-Lock Node Lighting Controller



EYE-TL5-B1



EYE-TL7-B1

Project:

Type:

Catalog #:

Prepared by:

Date:

Notes:

Description

The EYE-TL5-B1 and EYE-TL7-B1 are twist-lock communication nodes that provide light monitoring and control with utility-grade power metering. Known for excellent fault tolerance for network stability, each external node provides intelligent ON/OFF switching, dimming, control, and constant status monitoring of your lighting fixtures. The EYE-TL7-B1 model includes 2 sensor inputs : digital and analog.

Key Features

- Integrated photocell
- ANSI C136.41 5-pin dimming receptacle support
- Power monitoring – 2% utility grade accuracy (0.5% accuracy upgrade available)
- Remote control and scheduling
- Flexible dimming controls
- Secure, over-the-air upgrades for future enhancements
- Seamless integration into the lighting control system

Compliance Certification, Listings and Ratings

Radio : 2.4GHz; IEEE 802.15.4 +20dBm Transmit power -104 dBm receive sensitivity. FCC, IC, UL

Electrical

Feature	Description
Input Power	100 to 277 +/- 10% (Max 305V), 50/60Hz
Operating Environment	-40°C to +70°C; 20% to 90% RH non-condensing; IP66
Switched Output	Default ON
Load Rating	5A @ 100V to 277V (+/- 10%)
Dimming Control	0-10 V with short circuit protection
Dimming Output	Maximum Current 10 mA
Power Monitoring	2% Accuracy
Power Readings	Voltage, Watts
Sensor Inputs (EYE-TL7-B1)	One digital input that can be used for motion-based lighting controls

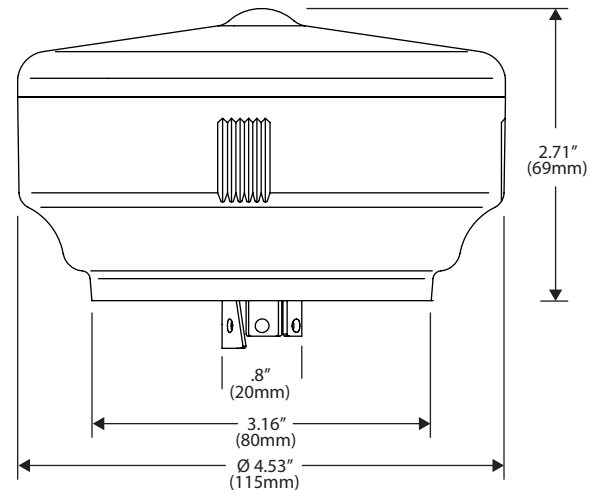
Warranty

5 Year Limited Warranty to the original purchaser that the controller shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the wireless controller when installed and operated according to manufacturer's instructions.

Order Guide

Product #	Description
EYE-TL5-B1	Twist-lock Wireless Lighting Control with Built in Photocell
EYE-TL7-B1	Twist-lock Wireless Lighting Control with Built in Photocell, External Sensor Inputs

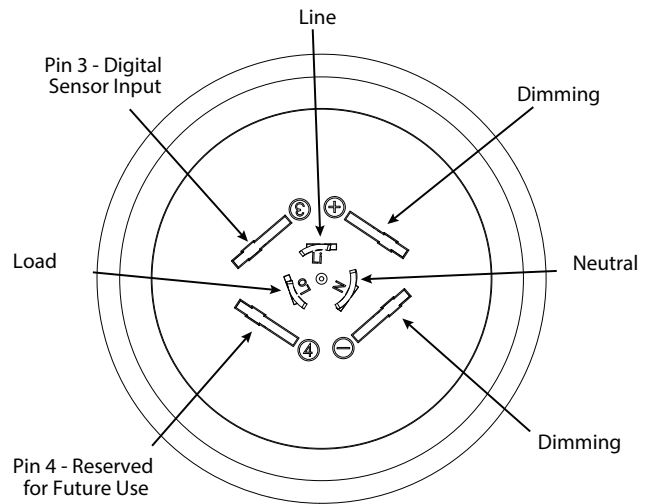
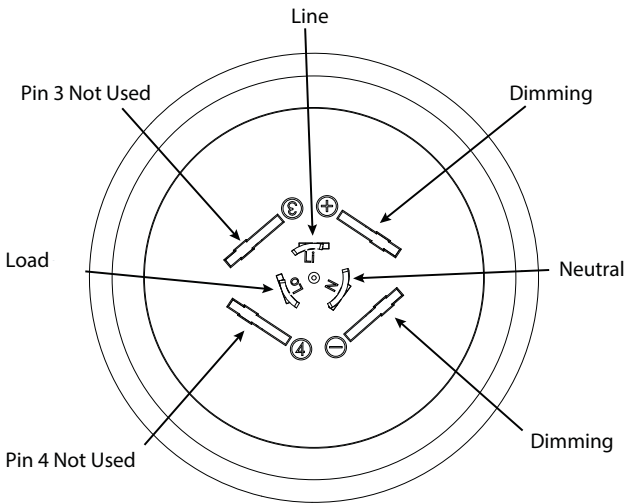
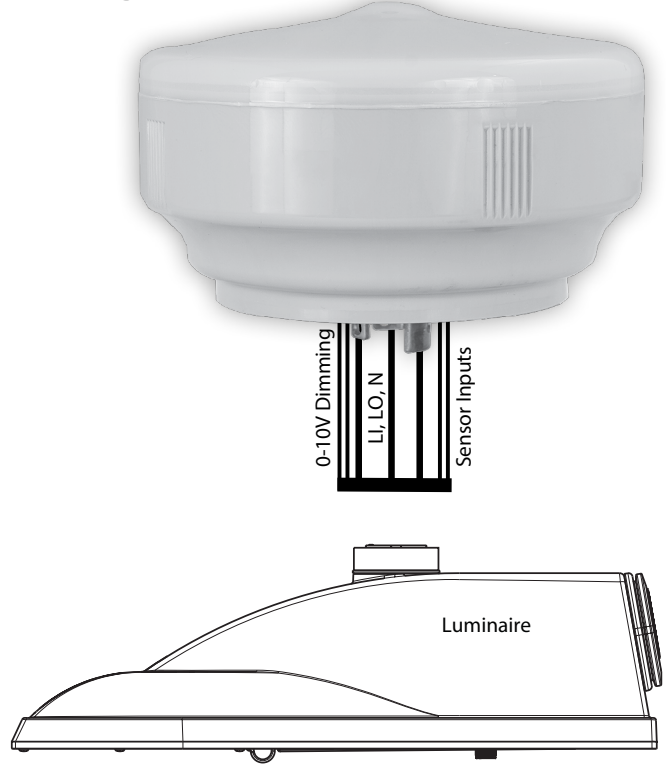
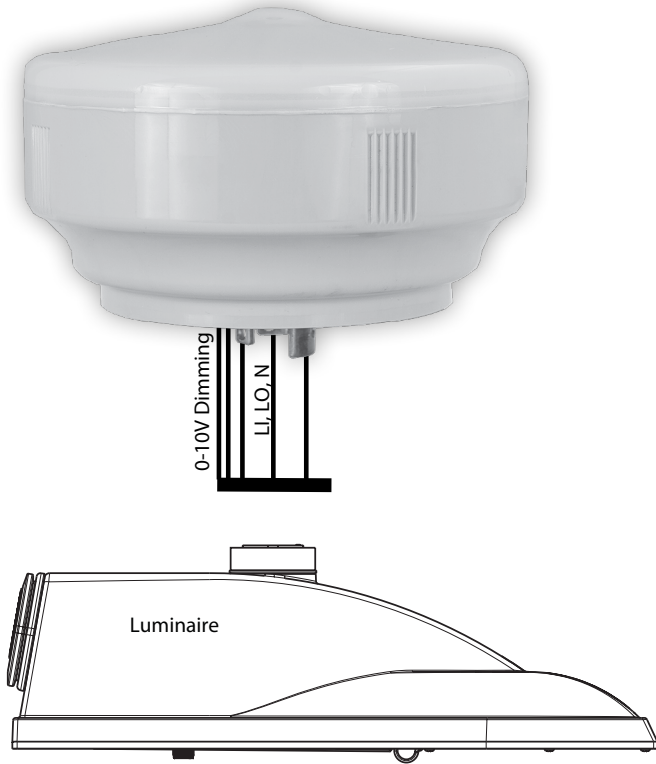
Dimensions



EYE TL Series Wiring Diagrams

EYE-TL5-B1

EYE-TL7-B1



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