



Includes Photocell, Power Monitoring, and External Sensor Input

Product #	Description
TL7-B2	Low Voltage Twist-lock Wireless Lighting Control with Built in Photocell

Dimensions	3.5" W x 3.86" H (88.6 mm W x 98 mm H)
Input Power*	110-277VAC +/- 10% (Max 305V), 60Hz
Operating Environment	-40°C to +70°C; 0% to 90% RH non-condensing; IP66
Switched Output	Default ON
Load Rating	5A @ 110-277VAC (+/- 10%)
Surge Rating	6kV
Dimming Control	1-10V
Dimming Output	1-10V, 20mA
Radio	SNAP 2.4GHz; 802.15.4 +20dBm Transmit power -104dBm Receive Sensitivity
Sensor Input	24VDC
Sensor Power	24V, 20mA
Power Monitoring	Utility Grade - 2% Accuracy
Power Readings	Voltage, Watts
Certifications	FCC, IC, cULus, DLC
Warranty**	5 Years

*Single phase power supported
Note: 208V dual phase power is also supported, however the controller only switches one leg of this circuit. Please verify with an installer that this will not impact the design at the system level.

**See www.synapsewireless.com/warranty for warranty terms

Specification Data

Job Name	
Type	
Catalog #	
Comments	

Product Overview

The **TL7-B2** is an intelligent wireless lighting controller with exceptional fault tolerance and a multitude of features. Each TL7-B2 provides intelligent On/Off switching, dimming, highly accurate power metering, digital sensor input, and status monitoring of lighting fixtures.

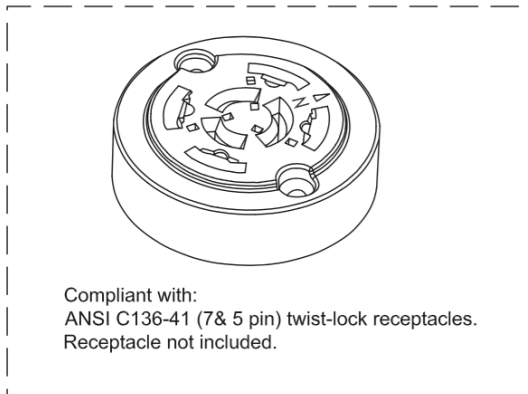
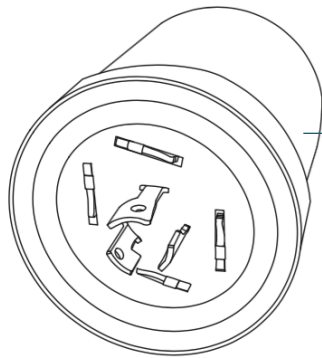
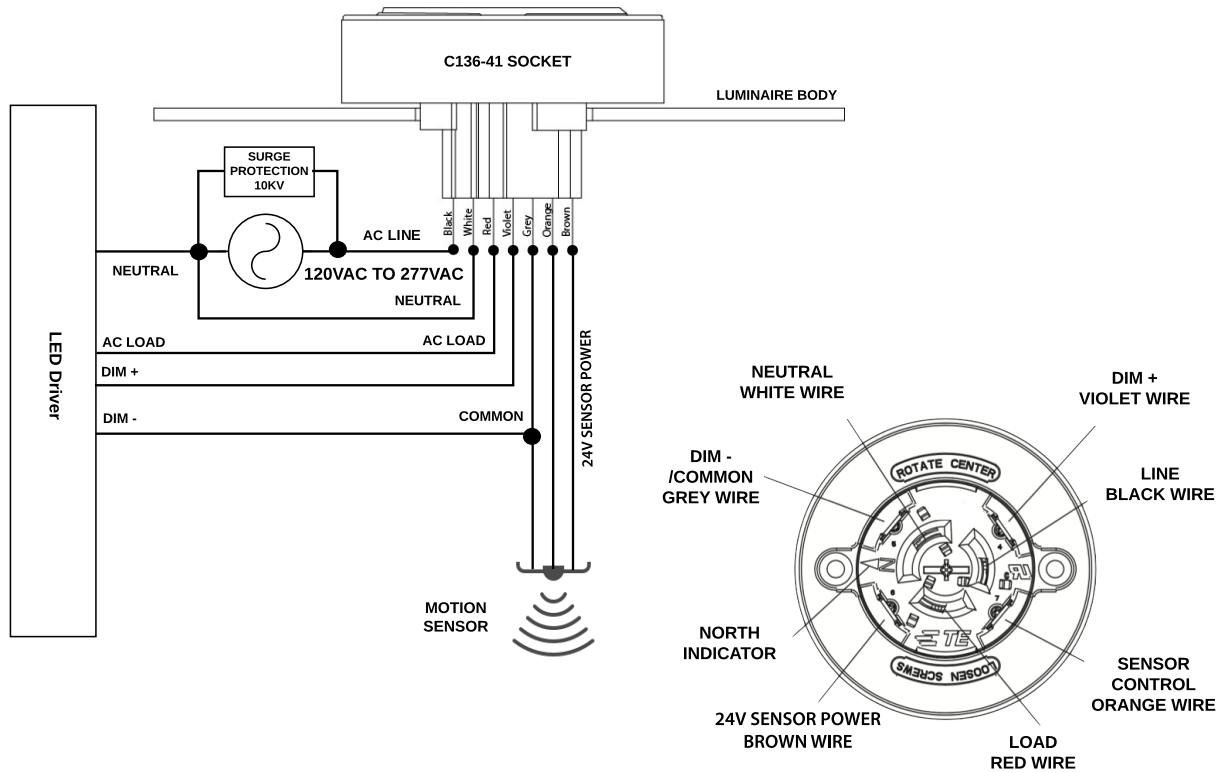
Key Features:

- Integrated Photocell
- NEMA/ANSI C136.41 7-pin Dimming Receptacle Support
- Utility grade power monitoring
- Remote control and scheduling
- Flexible Dimming Controls
- Secure, over-the-air upgrades to support future enhancements
- Seamless integration into the SimplySNAP lighting control system
- 24VDC Power for Motion Sensors



To learn more, call or visit:
synapsewireless.com
 (877) 982-7888

TL7-B2 Wiring Diagrams



LED Color	Status
Blue	Not yet added to SimplySNAP
Green	Normal Operation
Red	Communication Lost