



# LODESTAR

Standalone Twist-Lock  
Photosensor Controller



PROJECT

LOCATION

## FEATURES

- Saves power, saves money, quickly pays for itself
- Extends fixture life
- Advanced time/date algorithm auto adjusts for daylight savings
- Automatically synchronizes to local time
- Advanced photosensor reacts only to sunlight and is immune to artificial light, preventing false activation
- Can be oriented in any direction
- Extremely easy to install - just plug it in
- Set at the factory and adjustable in the field
- Dark Sky Friendly

## DESCRIPTION

The LODESTAR Standalone Twist-lock Controller is designed to provide basic control for outdoor lighting, a “set it, and forget it” solution. Set at the factory and adjustable in the field, LODESTAR provides an easy way to reduce energy expenses through the use of daylight sensing technology.

Each device has three selectable dimming levels (30%, 50%, or 70%) with three different start times (10:00 pm, 12:00 midnight, or 2:00 am) which are configurable through the 10-position selector switch on the bottom of the device. Simply plug LODESTAR into an existing NEMA C136.41 twist-lock dimming receptacle, and the advanced algorithm automatically adjusts for local time synchronization and daylight savings.

Adding LODESTAR to your outdoor lighting is an easy way to reduce energy consumption and comply with current energy standards. It is also a cost effective solution for use in areas subject to mandatory light level reductions. Unsurpassed construction, electrical, process and environmental protections make this outdoor dimming controller the highest grade twist-lock photocontrol available.

## TECHNICAL DATA

LODESTAR works with any **ANSI C136.41** receptacle to provide dimming of LED fixtures that support 0-10V dimming.

### Dimming Photocontrol Electrical Information

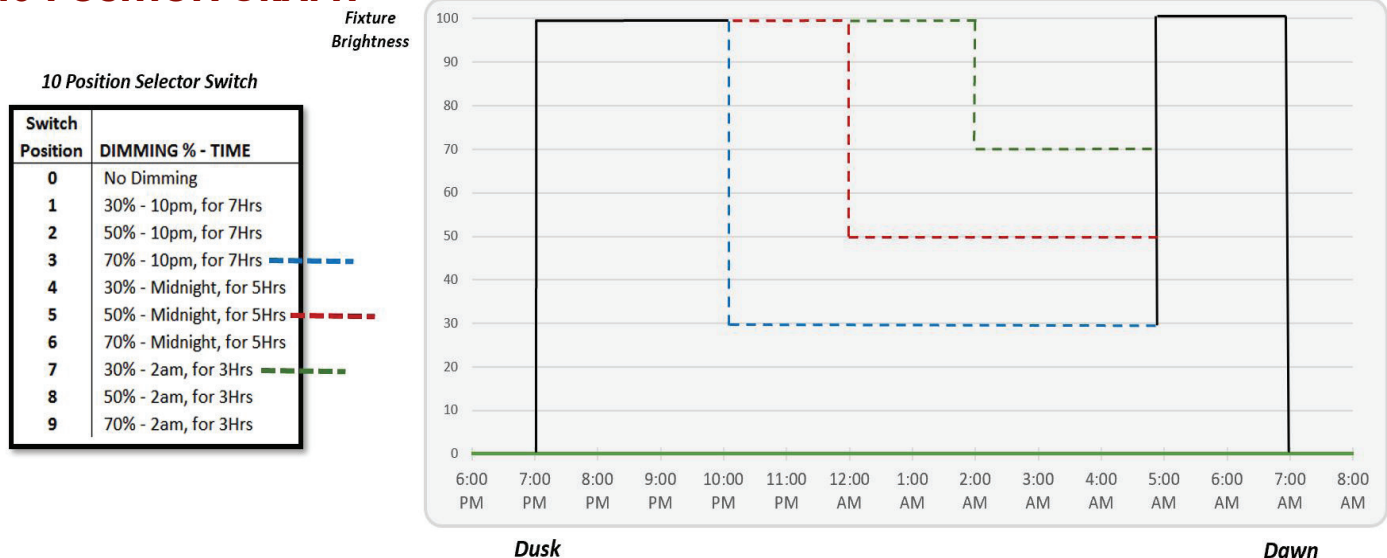
|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Electrical Circuit     | Blind to artificial light, <0.5% Drift over 10 Years                                                    |
| Load Rating            | 1000 Watt / 1800 VA, 5 Amp relay tested to 15,000 operations on maximum available LED or induction load |
| Operating Voltage      | 103-305 VAC, 312-530 VAC, 50/60Hz                                                                       |
| Operating Temperature: | -40°F to +158°F                                                                                         |
| Surge Protection:      | 40,000 Amps, 1520 Joyle MOV protection                                                                  |
| Power Consumption      | <0.5 Watts @ 120V                                                                                       |
| Dielectric Strength    | 5000 Volts Between current carrying parts                                                               |

### Dimming Photocontrol Mechanical Data

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Printed Circuit Board  | Moisture Repellant Glass Epoxy, 0.35 Maximum Moisture                    |
| Cover                  | Durable Polypropylene, Field Proven Optimal Solution for Ultra Long Life |
| Base                   | Polycarbonate 140°C, UL94HB Flame Class Rating                           |
| Gasket                 | Neoprene, ASTM D 1056                                                    |
| Operating Light Levels | Turn-on: 1.5 FC, 1.5:1 Off/On Ratio, +/- .25 FC, 3-5 Sec Turn-off Delay  |

**NOTE:** LODESTAR Twist-lock Controllers have three selectable dimming levels (30%, 50%, 70%) with three different start times (10:00 pm, Midnight or 2:00 am). These options are configurable using the ten-position selector switch located at the base of the unit. All dimming schedules will return to full brightness at 5:00 am.

## 10-POSITION GRAPH



## ORDERING INFORMATION

| Product   | Description                                    |
|-----------|------------------------------------------------|
| TLC-S-120 | LODESTAR 120V Twist-lock Standalone Controller |
| TLC-S-480 | LODESTAR 480V Twist-lock Standalone Controller |