

# TWL Series Traditional Trail Light

TRAIL AND WALKWAY LIGHTING

**300-480V**

**100-277V**

**LM79  
LM80**

**IP65**



## PROJECT INFORMATION

Project Name \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_

## DESCRIPTION

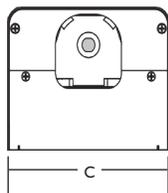
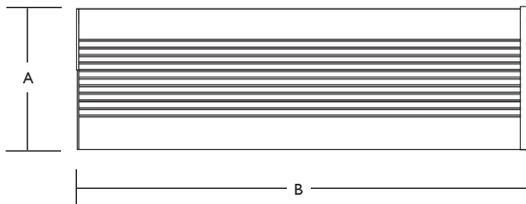
The ActiveLED® TWL Series Traditional Trail Light is part of a series of trail, walkway and pathway lighting fixtures. The TWL series is built to deliver the highest performance and quality while consuming 50-85% less energy than conventional lighting. With uniform light output focusing light on the trail, walkway or pathway the fixture offers Dark Sky compliance and less glare.

Applications include: Trails, Walkway and Pathway Lighting



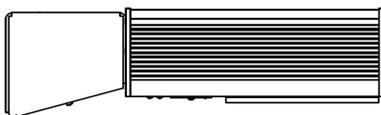
TWL Series Trail Light

## DIMENSIONS

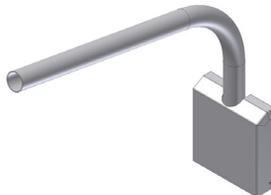


| A       | B       | C       |
|---------|---------|---------|
| 4.76"   | 17"     | 6.13"   |
| 12.09cm | 43.18cm | 15.59cm |

## MOUNTING OPTIONS



Contact the factory for other Mounting Options



## FEATURES

- ActiveREST™ Dimming Technology - Fixture may be automatically dimmed when full light levels are not required. EXAMPLE - Dimming level 40 equates to less than 9% of actual watts being consumed.
- ThermalDRAW™ Cooling Technology - Patented cooling technology ensures LED components will equal or exceed warranty.
- LightSpace® Lighting Controls - Fixture is capable of being programmed and controlled either individually or as part of a lighting zone via remote sensors, switches or building management system (BMS).
- Battery Backup Enabled - This option provides 48V DC support for an Emergency Battery Backup Unit (BBU sold separately) creating an Emergency LED Light Fixture.
- Dusk/Dawn Sensor - Optional photocell allows fixture to automatically turn on or off based on daylight detection.
- IR Receiver Plus Motion - Optional remote passive infrared (PIR) motion sensor with IR receiver for programmable Vacant-to-OFF and Vacant-to-Dim level programming.
- IR Receiver - Optional integral IR sensor only for ON-to-Dim programming.
- Warranty - 10 Year Warranty on LED elements, fixture housing, and LED Driver. Eligible for extended two year warranty. See page 2 for additional warranty information.



LIGHT OUTPUT

**5,145** lm

WATTS

**24.76** W

LUMENS per WATT

**71.31** lm/W

LIGHT COLOR (CCT)

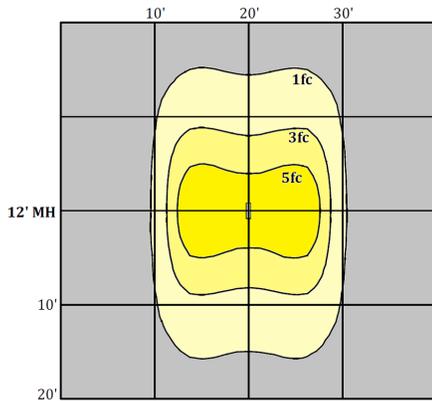
**5,104** K

**ActiveLED®**  
Energy Efficient Lighting and Controls

NOTE: Lighting Facts shown for TWL, 24W only.  
For more Lighting Facts, visit [lightingfacts.com](http://lightingfacts.com) for the Label and Label Reference Guide.



## PHOTOMETRICS



## PERFORMANCE DATA

| AMBIENT TEMPERATURES | 0 HOURS | 45,000 HOURS | 90,000 HOURS |
|----------------------|---------|--------------|--------------|
| 77°F (25°C)          | 1.00    | 0.99         | 0.99         |
| 104°F (40°C)         | 1.00    | 0.98         | 0.96         |
| 131°F (55°C)         | 1.00    | 0.96         | 0.92         |
| 140°F (60°C)         | 1.00    | 0.95         | 0.90         |

Projected Lumen Maintenance (TM-21)

NOTE: Calculated using data collected according to LM-80 lumen maintenance on the LED package.

NOTE: Photometrics shown for TWL 24W only. Contact company for photometrics on other sizes.

## GENERAL SPECIFICATIONS

|                       |   |            |  |
|-----------------------|---|------------|--|
| Input Voltage         | Auto-sensing, 100-277 Volts AC, 50/60 Hz;<br>Auto-sensing, 300-480 Volts AC, 50/60 Hz | LED Optics | IP65 rated, thermally bonded LEDs, borosilicate glass lens w/silicone sealing. Patented thermal management mounting system |
| Input Power           | 26 Input Watts<br>24 LED Watts  | CCT        | 2700K, 3000K, 3500K, 4000K, or 5000K   |
| Power Factor          | > 0.95 (at ~100-277 Volts)  | Housing    | Extruded aluminum for enclosure and heat sinking parts, stainless steel hardware   |
| THD                   | Total Harmonic Distortion (THD) <20% (typical 9.9%)                                   | Finish     | Powder coated after fabrication  |
| Driver                | Integral driver with integrated intelligent controls and integral heat sink           | Dimensions | 4" Height, 6" Wide and 17" Length (10.2cm x 15.2cm x 43.18cm)  |
| Operating Temperature | -58° F to 149° F (-50° C to 65° C)  | Weight     | 15 pounds (6.80kg)   |
| Lumen Lifetime        | L90/90K Hrs @ 60° C (90,000 Hrs with 90% Luminous Flux)                               |            |  |

## WARRANTY

Ten (10) Year Warranty - LEDs, Fixture, and Driver shall conform to its published specifications under normal usage and operating conditions including "no light loss" of more than 10% at the end of the period. LEDs will produce at least 90% of their initial light output with no color shift after 90,000 hours of operation. Extended 2 year warranty available when fixture is used in conjunction with an ActiveLED Surge Protection Device (SPD). See "Limited Warranty for Ringdale Industries and ActiveLED Lighting Products" for more information.

## LISTINGS AND TESTS

cUL listed driver, UL 1598, CE, suitable for exterior locations. RoHS compliant. IP65 Rated optical assembly. LM-79 and LM-80 info available. Conforms to FCC Part 15.19 Subpart B Class A. Made in USA - ARRA Compliant.

## ORDERING INFORMATION

Example: TWLUD-RM-AF5024SL

|     |  |  |  |  |  |  |    |  |  |
|-----|--|--|--|--|--|--|----|--|--|
| TWL |  |  |  |  |  |  | 24 |  |  |
|-----|--|--|--|--|--|--|----|--|--|

| Style      | Voltage   | Dusk to Dawn Selection                      | Mount                                | Optics                              | Diffuser                                 | CCT                 | Watts                         | Color                 | Options  |
|------------|---|---|--------------------------------------|-------------------------------------|--|---------------------|-------------------------------|-----------------------|--|
| <b>TWL</b> | <b>U</b><br>100-277 VAC,<br>50/60 Hz.                             | <b>D</b><br>Standard "Button"<br>Style Dusk | <b>RM</b><br>Round Arm<br>Mount      | <b>A</b><br>Trail / Walkway Pattern | <b>C</b><br>High Impact<br>Composite     | <b>50</b><br>5,000K | <b>24</b><br>24W LED, 26W Max | <b>SL</b><br>Silver   | <b>B</b><br>Battery Backup<br>Enabled                                  |
|            | <b>6</b><br>300-480 VAC,<br>50/60 Hz., Digitally<br>& BBU Enabled | <b>P</b><br>Optional "Twist-Lock"<br>Dusk   | <b>SP</b><br>Square Pole<br>Mount    | <b>F</b><br>All Forward Pattern     | <b>D</b><br>Mottled Glass                | <b>40</b><br>4,000K |                               | <b>BK</b><br>Black    | <b>J</b><br>B plus M   |
|            | <b>S</b><br>Solar Integrated,<br>DC Only Driver                   |   | <b>2P</b><br>Square Pole<br>Extender | <b>L</b><br>All Left Pattern        | <b>E</b><br>Etched Clear<br>Low Fe Glass | <b>35</b><br>3,500K |                               | <b>BR</b><br>Brown    | <b>M</b><br>Motion + IR Receiver,<br>Programmable                      |
|            | <b>N</b><br>None <sup>1</sup>                                     |   | <b>4K</b><br>Knuckle Tennon<br>Mount | <b>R</b><br>All Right Pattern       | <b>F</b><br>Clear Low Fe<br>Glass        | <b>30</b><br>3,000K |                               | <b>BZ</b><br>Bronze   | <b>N</b><br>Motion/IR with<br>Customized Timer /<br>Dimming Parameters |
|            | <b>E</b><br>45/48 VDC Driver <sup>2</sup>                         |   | <b>5K</b><br>Knuckle J-Box<br>Mount  | <b>W</b><br>Wide Pattern            | <b>G</b><br>Bullet Proof<br>Glass        | <b>27</b><br>2,700K |                               | <b>CG</b><br>Charcoal | <b>R</b><br>IR Receiver Only,<br>Programmable <sup>3</sup>             |
|            |   |   |                                      |                                     |  |                     |                               | <b>WH</b><br>White    |  |
|            |   |   |                                      |                                     |  |                     |                               | <b>X</b><br>Custom    |  |

<sup>1</sup> Requires remote driver. Consult factory.

<sup>2</sup> No AC Support.