

DESCRIPTION

TRACE*LITE's new TLED612 series LED dusk-to-dawn fixtures feature an SSL light engine using LEDs that provide improvements in efficacy, lumen output, and lamp life compared to traditional dusk-to-dawn fixtures while still maintaining the utility and flexibility required. The TLED612 housing is constructed of die-cast aluminum with a UV resistant, thermoset polyester powder coat finish that provides durable protection from environmental conditions, corrosion and the elements. The SSL light engine is protected by a high-impact, prismatic acrylic lens that also provides optic control.

SPECIFICATIONS

Construction:

The TLED612 series has a die-cast aluminum housing with stainless steel hardware, prismatic acrylic lens, silicone gaskets and a UV resistant, thermoset polyester powder coated finish. The TLED612 is completely sealed with silicone gaskets. The TLED612 offers a variety of mounting methods for many different applications.

Optics:

Our TLED612 series delivers exceptional light quality with a 4700K correlated color temperature, a CRI of ≥ 75 , and a projected color shift of less than 1%. The TLED612 LED utilizes an acrylic lens that distributes the light evenly, delivering light where it is needed in the most efficient way possible. Producing 3194 delivered lumens, the TLED612 has an L70 of 100,000 hours.

Electrical:

A 120VAC twist-lock photocontrol is included with the TLED612-41-VS-PC1TL as standard equipment; a 208-277VAC twist-lock photocontrol is an available optional accessory. The TLED612 driver has a standard input voltage of 120 ~ 277VAC 50/60Hz, a Class A EMI rating, and complies with UL8750 safety regulations and with ANSI/IEEE C62.41 Class A Operation. The TLED612 is suitable for operation in -22°F to 104°F (-30°C to 40°C) ambient conditions.

Thermal Management:

The TLED612's LED light engine is mounted directly to the cast aluminum housing which also acts as a thermal heat sink. This configuration optimizes the thermal dissipation for the LEDs which in turn makes possible the high efficacy, lumen output and longevity of the TLED612.

Environmentally Friendly Design:

TLED612 luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. The TLED612-41-VS-PC1TL consumes only 41 watts, but the light output can be conservatively compared to a 100W or 150W HID luminaire of similar design. The TLED612 provides a significant reduction in KW load and carbon emissions.

Installation:

The TLED612 series features a design that can be mounted to any vertical surface using lag bolts or other comparable and suitable anchors, with a wiring compartment that is easily accessible without the need to remove the lens or disassemble the fixture. The TLED612 can also be mounted to existing 1-1/2" or 1-5/8" pipe mounts, offering the installer the flexibility to satisfy many different mounting applications and requirements. This is especially useful when using the TLED612 to retrofit older dusk-to-dawn luminaires.

Testing & Compliance:

The reliability and performance of the TLED612 is evaluated in accordance with the parameters outlined and reported by LM-79 and LM-80 documents. Photometric data is tested to IESNA LM-79-08 standard by an independent testing laboratory. Lumen maintenance, or L70, a measure of long term reliability, is determined for the light source, which consists of the LED and PSB sub-assembly as installed in the luminaire, using LM-80 in-situ thermal and reliability data as provided by the LED manufacturer in accordance with DOE/EPA standards.

Warranty:

Any component that fails due to manufacturer's defect is guaranteed for 5 years. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



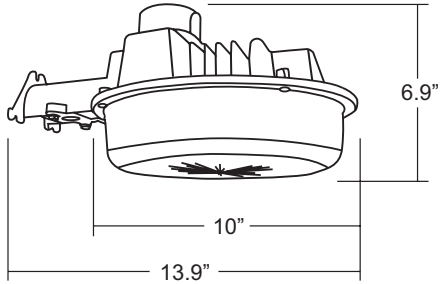
Specs at a Glance	
Wattage (Nominal)	41W
Ingress Protection	Suitable for Wet Locations
Lumens	3194
Efficacy	77
CCT	4700K
Input Voltage	120~277 Voltage Sensing
Optics	Type V Very Short
CRI	≥ 75
Warranty	5 Years
Ambient Temp	-22°F to 104°F (-30°C to 40°C)

Fixture Performance

Part Number	Total System Watts	Initial Lumens	Lumens Per Watt (LPW)	L70 Hours @ 25°C	BUG Rating
TLED612-41	41	3194	77	100,000	B2-U2-G1

NOTE: Lumen maintenance and life (part of LM-80 data) are per published information from primary LED suppliers and is based on design operation at their specified thermal management and electrical design parameters.

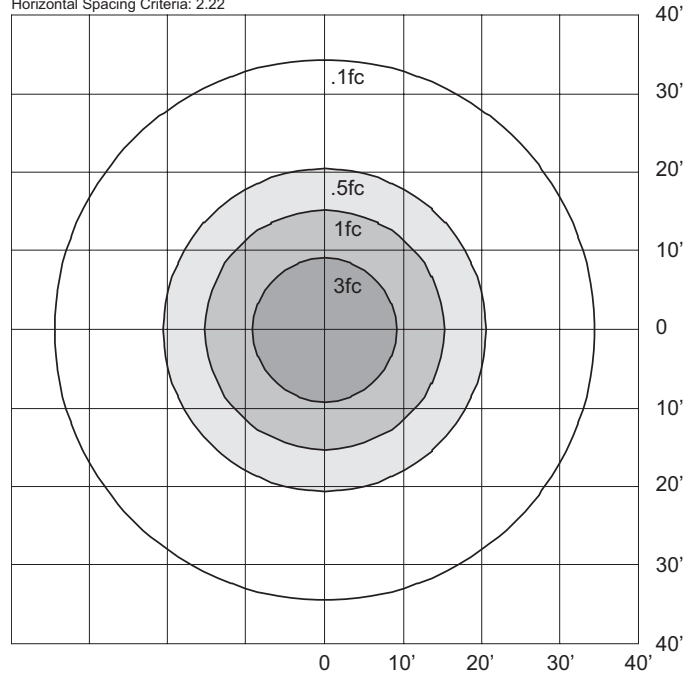
Dimensions



Approximate Weight: 8lbs

Sample Photometrics

TLED612-41 Mounted at 10' (NEMA 7H x 7V IES Type V Very Short)
Horizontal Spacing Criteria: 2.22



Ordering Information

Example: TLED612-41-VS-PC1TL

Series	Input Voltage	Options (Factory Installed)
TLED612-41	VS = 120 ~ 277VAC (Voltage Sensing)	PC1TL = 120VAC Twist-lock Photocontrol (Standard)

Notes	Accessories ¹ (Field Installed)
¹ Order as separate line item	PC2TL = 208-277VAC Single Phase Twist-lock Photocontrol
	TLED612-RL = Replacement Lens
	ARM602-21 = Mounting Arm

Specifications are subject to change without notice.
Installation must be performed in accordance with
Barron Lighting Group installation instructions.

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