TRACE*LITE

TLED-C-P

SURFACE AND RECESSED MOUNT LED PERFORMANCE LIGHTING

Model Number:

Accessories:

Job: Type:

Approvals:

DESCRIPTION

The second generation of the TLED series canopy family features upgraded SSL light engines with more performance levels to choose from, a newly added housing design that is exclusive to TRACE*LITE, as well as a choice of two different color finishes. The upgraded TLED-C maintains a low profile design, the TLED-RC is for recessed applications and the TLED-TC is our new trapezoidal housing design. All three housings are combined with our next generation high performance LED light engines featuring our superior thermal management that makes the entire family an attractive, energy saving choice. Constructed of die formed and welded aluminum, the TLED series canopy family design has been engineered to provide a LED canopy luminaire that delivers optimum optical performance and lamp longevity in attrac ive and durable housings with UV resistant powder coated finishes to protect against the elements and are ETL listed for Wet Locations. Our TLED series canopies incorporate contractor friendly features that allow for ease of installation in a variety of applications and allow them to be installed by a single person. Available with 4 different LED light engines configurations with 21, 28, 41, 55 or 72 total system watts and approximate delivered lumen outputs of 1964, 2870, 4115, 5593 or 7200; the TRACE*LITE TLED series canopies provide an energy saving solution to a wide spectrum of applications including, but not limited to security lighting in schools, office complexes, light commercial development, apartments, parking garages, entryways, and stairwells. The TLED series canopies are DesignLights™ Consortium qualified and meets or exceeds the efficacy requirements for various rebate programs across the country.

LEDLITE*logic*

5 YEAR WARRANTY

INTERTEK ETL LISTED

RoHS COMPLIANT

DESIGNLIGHTS CONSORTIUM

SPECIFICATIONS

Construction:

Precision die formed aluminum housings feature clean architectural lines with ample, integral mounting space for future accessories, the TLED series canopy family's most important construction feature is their integral thermal management. The housing is fabricated using 1/8" Aluminum plate, which not only provides strength and durability but also acts as a substantial heat sink and allows for optimum performance and durability of the LED light engine without sacrificing design aesthetics or increasing the outside dimensions of the housing. LEDLITElogic heat sinking technology moves heat away from the LEDs by taking advantage of thermal convec ion dynamic properties and maximizing system performance that delivers up to a 100,000 hour life with 70% lumen maintenance. The TLED series canopy family is ETL listed for wet locations, and incorporates a UV resistant, long lasting, polyester based powder coated finish.

Optics:

TRACE*LITE's TLED series canopy family of luminaires deliver exceptional light quality and efficiency with a performance optic design that provides excellent Type VS distribution. Our Performance optic provides more lumens in the 30° to 60° zone, which satisfies the DLC requirements for fuel canopies. The stabilized polycarbonate optical lenses are specifically designed to distribute light where it is needed in the most efficient way possible making it the ideal luminaire for high efficiency applications.

Electrical:

A choice of four (4) performance levels are available in the TLED series canopy family offering LED light engines wi h either 18, 24, 36, 48 or 64 LEDs, drawing 21, 28, 41, 55 or 72 total watts and providing approximately 1907, 2816, 4119, 5712 or 7200 initial delivered lumens, respectively, see chart on Page 2 for complete performance figures. The available LED light engine wattages are powered by 0-10V dimmable, constant current control drivers and provide up to a 100,000 hour rated life with 70% lumen maintenance, a 4700K CCT, and a CRI of ≥70. All drivers are Class 2 power supplies with input voltage range of 120VAC to 277AVC, providing a Class A EMI rating and a high power factor of ≥0.90. The TLED series canopies are suitable for operation in -40°C (-40°F) to 40°C (104°F) ambient conditions.

Thermal Management:

LEDLITElogic heat sinking technology moves heat away from the LEDs by taking advantage of thermal convec ion dynamic properties and maximizing system performance that delivers up to a 100,000 hour life with 70% lumen maintenance.

Environmentally Friendly Design:

TLED series canopy luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. Our manufacturing process utilizes no hazardous substances such as mercury or lead. The TLED-C is RoHS (Restriction of Hazardous Substances) compliant, 100% recyclable, and provides a significant reduction in Kw load and carbon emissions.

SPECIFICATIONS ARE SUBJECT
TO CHANGE WITHOUT NOTICE

Installation:

The TLED series canopies can be installed and wired by a single person, the base plate easily attaches to a 3" or 4" J-box, and the fixture housing is attached to the base plate by four captive fasteners. The TLED-C can be surface mounted to a recessed J-box , surface mounted with conduit, or pendant mounted using a standard ½" downrod & hardware (supplied by others), the TLED-RC can be recessed mounted, and the TLED-TC can be surface mounted to a recessed J-box or pendant mounted using a standard ½" downrod & hardware (supplied by others).

Transient Protection System (Option: TP):

The LEDLITE*logic* optional transient protection device is designed to be used in conjunction with our LED drivers. The "-TP" option utilizes a 3-leaded device that protects Line-Ground, Line-Neutral, and Neutral-Ground in accordance with IEEE/ANSI C62.41.2 guidelines. The surge current rating of the "-TP" option is 10,000 amps.

Photocontrol (Option: PC):

Optional photocontrol provides dusk-till-dawn security. Input voltage must be specified to match fixture input voltage.

Testing & Compliance:

The reliability and performance of the TLED series canopy luminaires are 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, 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, is determined using LM-80 in situ thermal and reliability data as provided by the LED manufacturer in accordance with DOE/EPA standards. The TLED series canopies have been tested to and meet DLC compliancy and are included on their Qualified Products List.

Listing:

The TLED-C, TLED-RC, and TLED-TC are ETL certified under UL1598 specifications and listed for wet locations.

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.

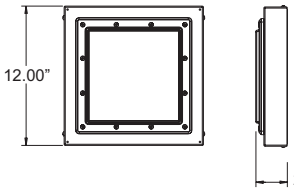
Fixture Performance

Part Number	Total System Watts	Initial Delivered Lumens	Lumens per Watt (LPW)	BUG Ratings
TLED-**X**-18-VS-P	21	1964	100	B2-U0-G1
TLED-**X**-24-VS-P	28	2870	103	B2-U0-G1
TLED-**X**-36-VS-P	41	4115	100	B3-U0-G1
TLED-**X**-48-VS-P	55	5593	102	B3-U0-G1
TLED-**X**-64-VS-P	72	7200	100	B3-U0-G1

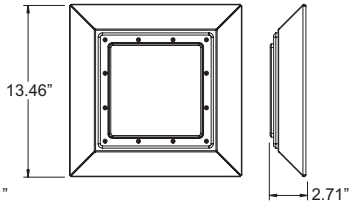
NOTE: Lumen maintenance and life (part of LM-80 data) are per published information from primary LED suppliers and is based on design operation at their specified thermal management and electrical design parameters.

Dimensions

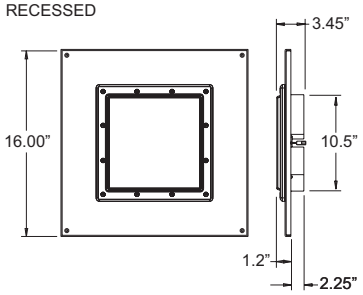
SURFACE STANDARD



SURFACE TRAPEZOID



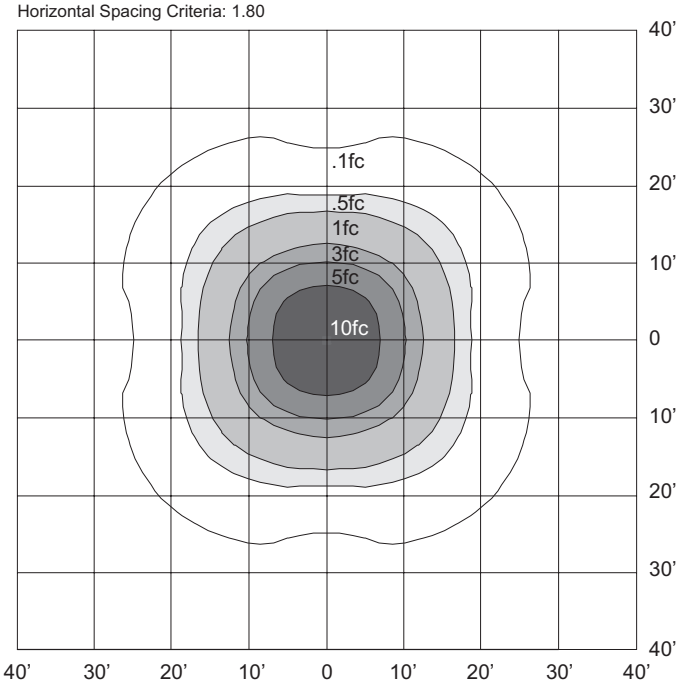
RECESSED



Approximate Weight: 14 bs.

Sample Photometrics

TLED-C-48-VS-P Mounted at 10’ (Type V Very Short)
Horizontal Spacing Criteria: 1.80



Ordering Information

Example: TLED-TC-24-VS-P-WW

Series	**# of LEDs**	**Input Voltage**	**Optics**	**Finish (Housing/Trim)**	**Options** (Factory Installed)
TLED-C = Standard Canopy	18 = 18 LEDs	VS = 120~277VAC (Voltage Sensing)	P = Performance Optics	WW = White/White	TP = Transient Protection System
TLED-TC = Trapezoid Canopy	24 = 24 LEDs			SW = Silver/White	CC[1] = Custom Color
TLED-RC = Recessed Canopy	36 = 36 LEDs				
	48 = 48 LEDs				
Notes	64 = 64 LEDs				**Accessories[2]** (Field Installed)
[1] Consult factory for specific part number and details					PC1 = 120VAC Photocontrol
[2] Order as separate line item					PC2 = 208-277VAC Photocontrol

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