

DESCRIPTION

TRACE*LITE's third generation TLED110EXP series LED wallpack features an updated SSL light engine that provides 0-10V dimming, as well as improvements in efficacy, lumen output, and thermal management while still maintaining the consistency of our proven decorative trapezoid housing. The TLED110EXP housing is constructed of die-cast aluminum with a UV resistant, thermoset polyester powder coated finish that provides durable protection from environmental conditions, corrosion and the the elements. It is UL Listed for Wet Locations. The TLED110EXP is included on the DesignLights Consortium™ Qualified Product List (check QPL for specific models), meeting or exceeding the efficacy requirements for various rebate programs across the country. The SSL light engine's LEDs are protected by a high-impact, tempered glass lens.

SPECIFICATIONS

Construction:

The TLED110EXP series has a precision designed aluminum housing with stainless steel hardware, tempered glass lens, silicone gaskets and a UV resistant, thermoset polyester powder coat finish. The interior wiring space is easily accessible with a side hinged front frame/lens assembly and offers durable performance with clean, architectural aesthetics. The TLED110EXP is completely sealed with silicone gaskets and is UL Listed for Wet Locations. There are a total of four (4) ½" threaded hubs, one located on either side, the top and the back of the housing allowing for the installation of switching/control accessories or the capability of wiring the TLED110EXP with surface mount conduit.

Optics:

Our TLED110EXP series wallpack delivers exceptional light quality with available correlated color temperature options of 3000K or 5000K, a CRI of ≥83 and a projected color shift of less than 1%. The TLED110EXP LED light engine is specifically designed to distribute light forward and to the sides providing the ideal wallpack distribution that puts light where it is needed in the most efficient way possible. Producing 4714 delivered lumens, the TLED110EXP has an L70 of 50,000 hours.

Electrical:

The TLED110EXP includes 0-10V dimming as a standard option with LEDs powered by constant current, high efficiency Class 2 LED driver with active power factor correction (0.90 typical), an IP66 rating, all around protection against over-voltage, over-temperature, short circuit conditions, and lightning. The TLED110EXP driver has a standard voltage sensing input of 120~277VAC 50/60Hz, a Class A EMI rating, complies with UL8750 safety regulations and with ANSI/IEEE C62.41 Class A operation. The TLED110EXP is suitable for operation in -31°F to 104°F (-35°C to 40°C) ambient conditions.

Thermal Management:

Our LED light engine is mounted directly to a dedicated, custom designed LEDLITE^{logic} thermal heat sink. The configuration of the heat sink is unique and has been sized to maximize the thermal dissipation of the traditional wallpack housing. This configuration optimizes the heat removal for the LEDs, which in turn, makes possible the high efficacy, lumen output and longevity of the TLED110EXP.

Environmentally Friendly Design:

TLED110EXP luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. The TLED110EXP-90-VS consumes only 54 watts, however the light output can conservatively be compared to 250W HID luminaire of similar design. The TLED110EXP provides a significant reduction in KW load and carbon emissions.

Installation:

The TLED110EXP series wallpack features a back box design that can be mounted to any vertical surface and is easily wired either to a recessed J-box or by using surface mount conduit. Optional tamper-resistant hardware, wire guard or polycarbonate guard is available for applications where there is a high rate of vandalism or theft, or in high traffic public spaces.

Battery Back-Up (Option: BB):

TRACE*LITE's battery back-up option provides approximately 1400 lumens for 90 minutes in the event of a primary power failure. The battery back-up option includes a battery pack along with a charging/transfer device that keeps the battery pack charged during normal AC operation and transfers battery power to a portion of the LED modules when the device senses that the primary AC power has failed. Suitable for operation in 32°F to 104°F (0°C to 40°C) ambient conditions.

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 (Accessory: PC):

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

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



Specs at a Glance*	
# of LEDs	90 LEDs
Wattage (w)	54
Lumens (lm)	4,714
Efficacy (LPW)	88
Equivalency	Traditional 250w HID
CCT	3000K, 5000K
CRI	≥83
Optics	Type II Very Short
Input Voltage	120~277 Voltage Sensing
Warranty	5 Years
Certifications	UL Listed for Wet Locations, DLC, ARRA, DARKSKY
Ambient Temp	-35°C to 40°C (-31°F to 104°F)

* 5000K CCT tested

Testing & Compliance:

The reliability and performance of the TLED110EXP 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.

Listing:

The TLED110EXP is UL certified under UL1598 and UL8750 specifications and is UL Listed for Wet Locations.

Warranty:

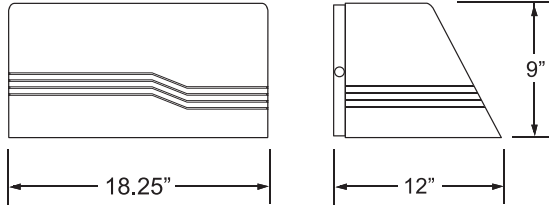
Any component that fails due to manufacturer's defect is guaranteed for 5 years. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

Fixture Performance

Part Number	Total System Watts	L70 Hours @ 25°C	3000K CCT		4000K CCT		5000K CCT	
			Lumens (lm)	Efficacy (LPW)	Lumens (lm)	Efficacy (LPW)	Lumens (lm)	Efficacy (LPW)
TLED110EXP-90-VS	54W	50,000	4350	77	4358	77	4714	88

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: 25 lbs.

Sample Photometrics

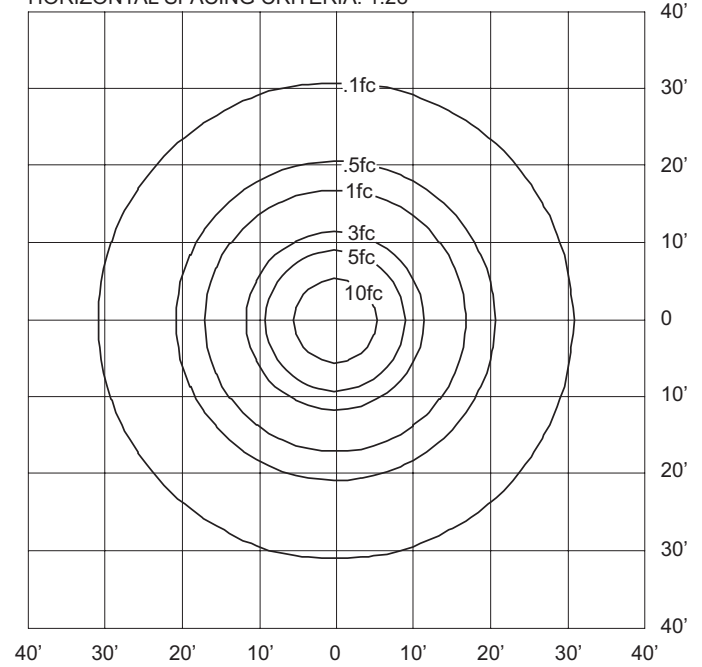
TLED110EXP-90-VS-5K

IES: TYPE II VERY SHORT

MOUNTING HEIGHT: 10 FEET

TILT: ZERO

HORIZONTAL SPACING CRITERIA: 1.28



Ordering Information

Example: TLED110EXP-90-VS-5K-TP

Series	Number of LEDs	Input Voltage	CCT	Options (Factory Installed)
TLED110EXP	90 ³ = 90 LEDs (54 Watts)	VS = 120~277VAC Voltage Sensing	3K = 3000K 5K = 5000K	BB = Battery Backup CC ¹ = Custom Color SZXXX ² = Single Line Side Fuse (120V or 277V) TP = 10KVA Transient/Surge Protection TRH = Tamper Resistant Hardware

Notes	Accessories ³ (Field Installed)
¹ Consult factory for specific part number and details	PC1 = 120VAC Photocontrol
² Specify voltage	PC2 = 277VAC Photocontrol
³ Order as separate line item	WG110EX = Wire Guard

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

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