

**DESCRIPTION**

TRACE\*LITE's third generation TLED106EXP 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 traditional wallpack housing. The TLED106EXP housing is constructed of die-cast aluminum with a UV resistant, thermoset polyester powder coated finish that provides durable protection against environmental conditions, corrosion and the elements. It is UL Listed for Wet Locations. The SSL light engine's LEDs are protected by a high-impact borosilicate glass lens.

**SPECIFICATIONS**

**Construction:**

The TLED106EXP series has a precision designed aluminum housing with stainless steel hardware, borosilicate glass lens, silicone gaskets and a UV resistant, thermoset polyester powder coated finish. The interior wiring space is easily accessible with a side hinged front frame/lens assembly and offers durable performance with traditional aesthetics. The TLED106EXP is completely sealed with silicone gaskets and is UL Listed for Wet Locations. There are a total of four (4) 1/2" threaded hubs, one located on either side, the top and back of the housing, allowing for the installation of switching/control accessories or the capability of wiring the TLED106EXP with surface mount conduit.

**Optics:**

Our TLED106EXP series wallpack delivers exceptional light quality with available correlated color temperature options of 3000K, 4000K or 5000K, a CRI of ≥85, and a projected color shift of less than 1%. The TLED106EXP LED light engine is specifically designed to distribute light forward and to the sides, providing ideal wallpack distribution that maximizes fixture spacing while delivering light where it is needed in the most efficient way possible. Producing 4755 delivered lumens, the TLED106EXP has an L70 of 50,000 hours.

**Electrical:**

The TLED106EXP 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 TLED106EXP 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 TLED106EXP 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 LEDLITElogic 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 TLED106EXP.

**Environmentally Friendly Design:**

TLED106EXP luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. The TLED106EXP-90-VS consumes only 55 watts, however the light output can be conservatively compared to a 250W HID luminaire of similar design. The TLED106EXP provides a significant reduction in KW load and carbon emissions.

**Installation:**

The TLED106EXP 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, and polycarbonate lens guard are 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 LEDLITElogic 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: \_\_\_\_\_



**While Supplies Last**



Specs at a Glance*	
# of LEDs	90 LEDs
Wattage (w)	55
Lumens (lm)	4,755
Efficacy (LPW)	85
Equivalency	Traditional 250w HID
CCT	3000K, 4000K, 5000K
CRI	≥85
Optics	Type IV Very Short
Input Voltage	120~277 Voltage Sensing
Warranty	5 Years
Certifications	UL Listed for Wet Locations, ARRA
Ambient Temp	-35°C to 40°C (-31°F to 104°F)

\* 5000K CCT tested

**Testing & Compliance:**

The reliability and performance of the TLED106EXP 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 TLED106EXP is UL certified under UL1598 and UL8750 specifications and is UL Listed for Wet Locations.

**Warranty:**

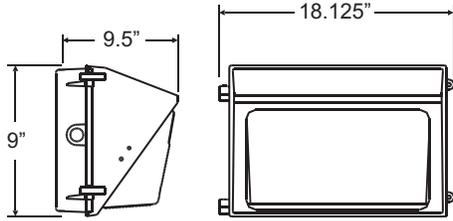
Any component that fails due to manufacturer's defect is guaranteed for 5 years. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

## Fixture Performance

Part Number	Total System Watts	L70 Hours @ 25°C	5000K CCT	
			Lumens (lm)	Efficacy (LPW)
TLED106EXP-90-VS	55W	50,000	4755	85

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

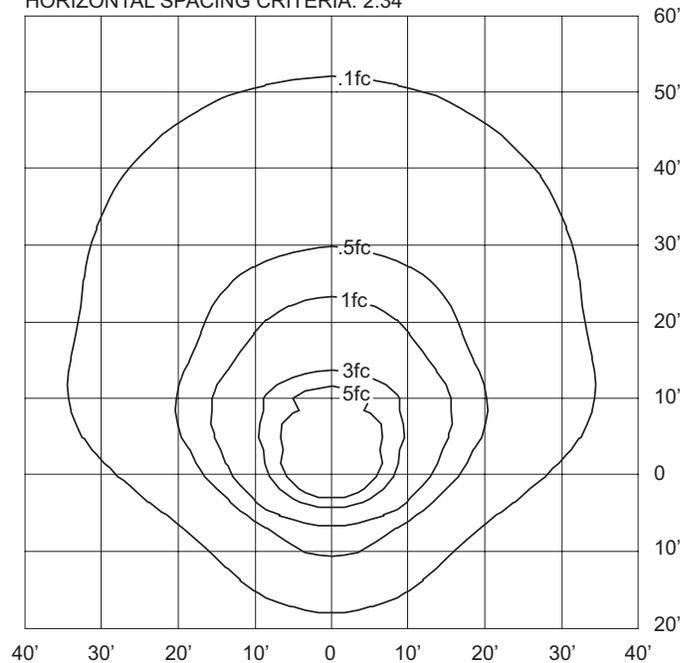
### TLED106EXP-90-VS-5K

IES: TYPE IV VERY SHORT

MOUNTING HEIGHT: 10 FEET

TILT: ZERO

HORIZONTAL SPACING CRITERIA: 2.34



## Ordering Information

Example: TLED106EXP-90-VS-5K-TP

Series	Number of LEDs	Input Voltage	CCT	Options (Factory Installed)
TLED106EXP	90 <sup>3</sup> = 90 LEDs (55 Watts)	VS = 120~277VAC Voltage Sensing	3K = 3000K	BB = Battery Backup
			4K = 4000K	CC <sup>1</sup> = Custom Color
			5K = 5000K	SZXXX <sup>2</sup> = Single Line Side Fuse (120V or 277V)
				TP = 10KVA Transient/Surge Protection
				TRH = Tamper Resistant Hardware

Notes	Accessories <sup>4</sup> (Field Installed)
<sup>1</sup> Consult factory for specific part number and details	FC106EX = Zero Uplight Shield
<sup>2</sup> Specify voltage	PC1 = 120VAC Photocontrol
<sup>3</sup> While quantity lasts	PC2 = 277VAC Photocontrol
<sup>4</sup> Order as separate line item	PG106EX = Polycarbonate Lens Guard
	WG106EX = Wire Guard

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

10810292 REV 6 03/18