

DESCRIPTION

TRACE*LITE's third generation TLED110P 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 consistent look of our proven decorative trapezoid housing. The TLED110P 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. The SSL light engine's LEDs are protected by a high-impact, tempered glass lens.

SPECIFICATIONS

Construction:

The TLED110P 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 TLED110P is completely sealed with silicone gaskets. There are a total of four (4) 1/2" 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 TLED110P with surface mounted conduit.

Optics:

Our TLED110P series wallpack delivers exceptional light quality with available correlated color temperatures options of 3000K, 4000K, or 5000K, a CRI of ≥85 and a projected color shift of less than 1%. The TLED110P 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 up to 3050 delivered lumens, the TLED110P has an L70 of 50,000 hours.

Electrical:

The TLED110P 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 TLED110P 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 TLED110P 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 TLED110P.

Environmentally Friendly Design:

TLED110P luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. The TLED110P-66-VS consumes only 40W, however the light output can be conservatively compared to a 150W HID luminaire of similar design. The TLED110P provides a significant reduction in KW load and carbon emissions.

Installation:

The TLED110P 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 mounted conduit. Optional tamper-resistant hardware, wire guard, and polycarbonate 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 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.

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

Available While Supplies Last



Specs at a Glance*		
# of LEDs	42 LEDs	66 LEDs
Wattage (w)	27	40
Lumens (lm)	1,866	3,050
Efficacy (LPW)	99	76
Equivalency	70w HID	150w HID
CCT	3000K, 4000K, 5000K	
CRI	≥85	
Optics	Type II Very Short	
Input Voltage	120~277 Voltage Sensing	
Warranty	5 Years	
Certifications	ARRA	
Ambient Temp	-35°C to 40°C (-31°F to 104°F)	

* 5000K CCT tested

Photocontrol (Accessory: PC):

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

Testing & Compliance:

The reliability and performance of the TLED110P 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:

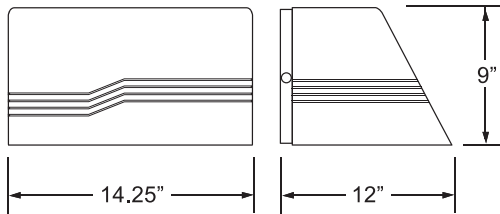
Any component that fails due to manufacturer's defect is guaranteed for 5 years. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

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)
TLED110P-42-VS	27W	50,000	1833	69	1850	68	1866	70
TLED110P-66-VS	40W	50,000	N/A	N/A	2906	68	3050	76

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: 16.5 lbs.

Sample Photometrics

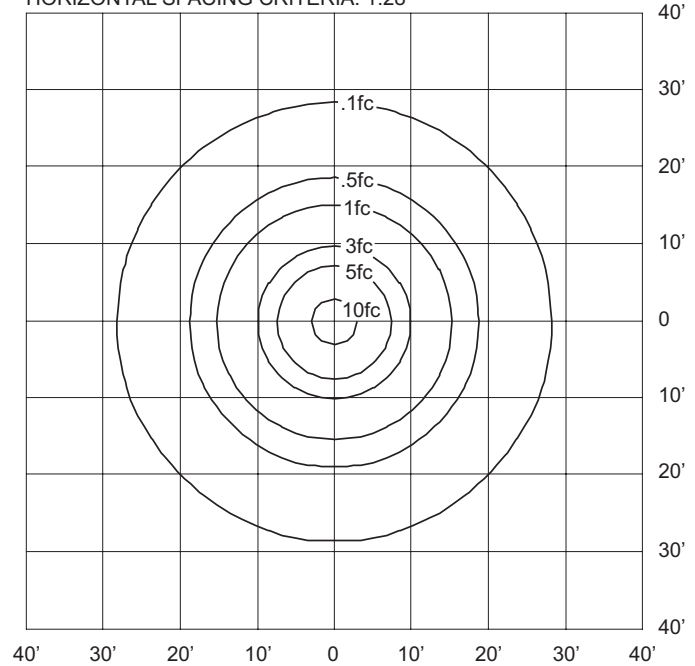
TLED110P-66-VS-4K

IES: TYPE II VERY SHORT

MOUNTING HEIGHT: 10 FEET

TILT: ZERO

HORIZONTAL SPACING CRITERIA: 1.28



Ordering Information

Example: TLED110P-42-VS-5K-TRH

Series	Number of LEDs	Input Voltage	CCT	Options (Factory Installed)
TLED110P	42 = 42 LEDs (27 Watts)	VS = 120~277VAC Voltage Sensing	3K ² = 3000K	BB = Battery Backup
	66 ¹ = 66 LEDs (40 Watts)		4K = 4000K	CC ³ = Custom Color
			5K = 5000K	SZXXX ⁴ = Single Line Side Fuse (120V or 277V)
				TP = 10KVA Transient/Surge Protection
				TRH = Tamper Resistant Hardware

Notes

¹ Only available in 4K and 5K

² Not available with Battery Backup (BB)

³ Consult factory for specific part number and details

⁴ Specify voltage

⁵ Order as separate line item

Accessories⁵ (Field Installed)

PCU = 120-277VAC Photocontrol

WG110 = Wire Guard