

### DESCRIPTION

TRACE\*LITE's third generation TLED112P 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 quarter-sphere housing. The TLED112P 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 elements. The SSL light engine's LEDs are protected by a high-impact, tempered glass lens.

### SPECIFICATIONS

#### Construction:

The TLED112P 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 through the frame/lens assembly at the bottom of the luminaire and offers durable performance with clean, architectural aesthetics. The TLED112P is completely sealed with silicone gaskets.

#### Optics:

Our TLED112P series wallpack delivers exceptional light quality with available correlated color temperature options of 3000K, 4000K or 5000K, a CRI of  $\geq 85$  and a projected color shift of less than 1%. The TLED112P 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 up to 3382 delivered lumens, the TLED112P has an L70 of 50,000 hours.

#### Electrical:

The TLED112P 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 TLED112P 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 TLED112P 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<sup>logic</sup> 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 TLED112P.

#### Environmentally Friendly Design:

TLED112P luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. The TLED112P-66-VS consumes only 43 watts, however the light output can conservatively be compared to a 150W or 200W HID luminaire of similar design. The TLED112P provides a significant reduction in KW load and carbon emissions.

#### Installation:

The TLED112P series wallpack features our EZ-LITE gasketed steel quick mount plate with a built in bubble level that can be mounted to any vertical surface, and allows the TLED112P to be easily wired to a recessed J-box. Optional tamper-resistant hardware is available for applications where there is a high rate of vandalism and 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<sup>logic</sup> 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	42 LEDs	66 LEDs
Wattage (w)	27	43
Lumens (lm)	2,152	3,382
Efficacy (LPW)	80	79
Equivalency	100w HID	150w HID
CCT	3000K, 4000K, 5000K	
CRI	$\geq 85$	
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

#### Testing & Compliance:

The reliability and performance of the TLED112P 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.

## Ordering Information

Example: TLED112P-42-VS-5K-TRH

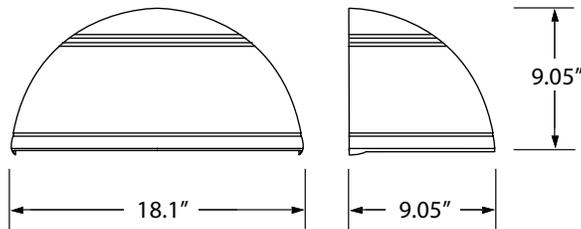
Series	Number of LEDs	Input Voltage	CCT	Options (Factory Installed)
TLED112P	42 <sup>1</sup> = 42 LEDs (27 Watts)	VS = 120~277VAC Voltage Sensing	3K <sup>3</sup> = 3000K	BB = Battery Backup
	66 <sup>2</sup> = 66 LEDs (43 Watts)		4K = 4000K	CC <sup>4</sup> = Custom Color
<b>Notes</b>			5K = 5000K	SZXXX <sup>5</sup> = Single Line Side Fuse (120V or 277V)
<sup>1</sup> Only available in 3K and 4K				TP = 10KVA Transient/Surge Protection
<sup>2</sup> Only available in 4K and 5K				TRH = Tamper Resistant Hardware
<sup>3</sup> Not available with Battery Backup (BB)				
<sup>4</sup> Consult factory for specific part number and details				
<sup>5</sup> Specify voltage			<b>Accessories<sup>6</sup> (Field Installed)</b>	
<sup>6</sup> Order as separate line item			PCU = 120-277VAC Photocontrol	

## 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)
TLED112P-42-VS	27W	50,000	2115	78	2314	79	2152	80
TLED112P-66-VS	43W	50,000	N/A	N/A	3353	79	3382	79

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: 13 lbs.

## Sample Photometrics

### TLED112P-66-VS-4K

IES: TYPE II VERY SHORT

MOUNTING HEIGHT: 10 FEET

TILT: ZERO

HORIZONTAL SPACING CRITERIA: 1.28

