

DESCRIPTION

TRACE*LITE's third generation TLED111P 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 half-moon housing. The TLED111P 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. The SSL light engine's LEDs are protected by a high-impact, tempered glass lens.

SPECIFICATIONS

Construction:

The TLED111P series has a precision designed aluminum housing with stainless steel hardware, tempered glass lens, silicone gaskets and a UV resistant, thermoset polyester powder coated 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 TLED111P is completely sealed with silicone gaskets.

Optics:

The TLED111P 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 TLED111P 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 4873 delivered lumens, the TLED111P has an L70 of 50,000 hours.

Electrical:

The TLED111P 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 TLED111P 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 TLED111P is suitable for operation in -31°F to 104°F (-35°C to 40°C) ambient conditions.

Thermal Management:

The 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 TLED111P.

Environmentally Friendly Design:

TLED111P luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. The TLED111P-90-VS consumes only 56 watts, however the light output can conservatively be compared to 250W HID luminaire of similar design. The TLED111P provides a significant reduction in KW load and carbon emissions.

Installation:

The TLED111P series wallpack features the EZ-LITE gasketed steel quick mount plate with a built in bubble level that can be mounted to any vertical surface, and allows the TLED111P 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 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	42 LEDs	66 LEDs	90 LEDs
Wattage (w)	27	43	54
Lumens (lm)	2,155	3,386	4,873
Efficacy (LPW)	75	75	88
Equivalency	100w HID	150w HID	250w 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°F to 40°C (-31°F to 104°F)		

* 5000K CCT tested

Testing & Compliance:

The reliability and performance of the TLED111P 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:

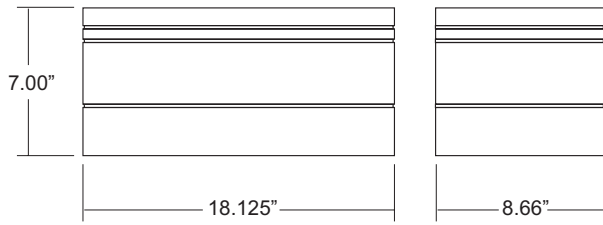
Any component that fails due to manufacturer's defect is guaranteed for 5 years. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

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)
TLED111P-42-VS	27W	50,000	2222	80	2189	80	2155	80
TLED111P-66-VS	43W	50,000	N/A	N/A	3439	80	3386	80
TLED111P-90-VS	56W	50,000	4761	85	4690	83	N/A	N/A

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: 22 lbs.

Sample Photometrics

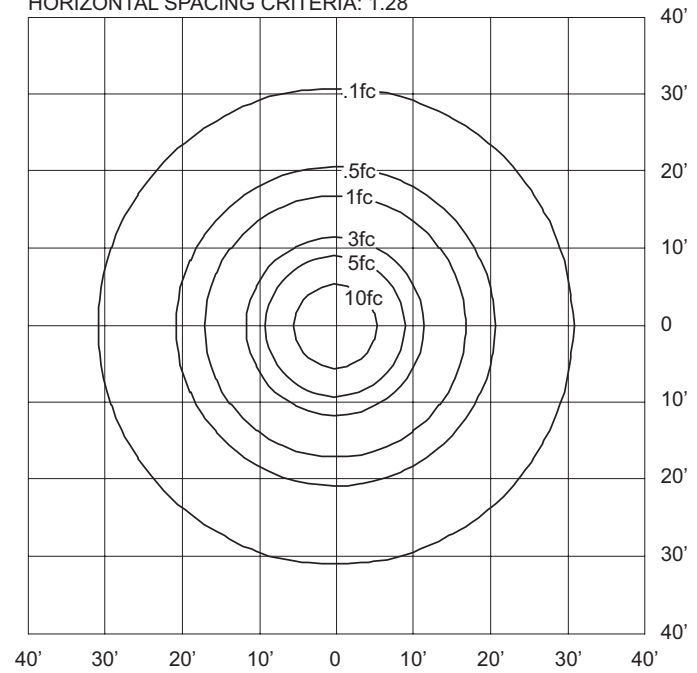
TLED111P-90-VS-4K

IES: TYPE II VERY SHORT

MOUNTING HEIGHT: 10 FEET

TILT: ZERO

HORIZONTAL SPACING CRITERIA: 1.28



Ordering Information

Example: TLED111P-42-VS-5K-TRH

Series	Number of LEDs	Input Voltage	CCT	Options (Factory Installed)
TLED111P	42 = 42 LEDs (27 Watts)	VS = 120~277VAC Voltage Sensing	3K ³ = 3000K	BB = Battery Backup
	66 ¹ = 66 LEDs (43 Watts)		4K = 4000K	CC ⁴ = Custom Color
	90 ² = 90 LEDs (56 Watts)		5K = 5000K	SZXXX ⁵ = Single Line Side Fuse (120V or 277V)
Notes				TP = 10KVA Transient/Surge Protection
¹ Only available in 4K and 5K				TRH = Tamper Resistant Hardware
² Only available in 3K and 4K				
³ Not available with battery backup (BB)				
⁴ Consult factory for specific part number and details				
⁵ Specify voltage				Accessories⁶ (Field Installed)
⁶ Order as separate line item				PCU = 120-277VAC Photocontrol

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

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