BARRON TRACE LITE
commercial & industrial lighting

TLED221
Compact LED Floodlight

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

LEDLITE*logic*

5 YEAR WARRANTY

DESCRIPTION
The TLED221 series small compact floodlight's classic design combined with a high performance LED light source makes it an attractive and smart choice. Constructed of die-cast aluminum, the TLED221 uses a UV resistant powder coated finish to protect against the elements. The TLED221 incorporates contractor friendly features that allow for ease of installation including a hinged design for easy access and ½" knuckle mount which fits standard junction boxes. Available with 16 LEDs drawing a total of 20 watts, the TLED221 provides a wide spectrum of application options for schools, office complexes, light commercial, apartments and recreational facilities.

SPECIFICATIONS
Construction:
The TLED221 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 with a side hinged front frame/lens assembly and offers durable performance and clean aesthetics. The TLED221 is completely sealed with silicone gaskets.

Optics:
Our TLED221 series floodlight delivers exceptional light quality, with a 4700K CCT a CRI of ≥67 and a projected color shift of less than 1%. The TLED221 LED light engine arrays each have a dedicated optical lens that is specifically designed to distribute light where it is needed in the most efficient way possible. Producing 1357 delivered lumens, the TLED221 has an L70 of 50,000 hours.

Electrical:
Sixteen (16) LEDs are powered by constant current, high efficiency Class 2 LED driver with active power factor correction (0.99 typical) and all around protection against over-voltage, over-temperature and short circuit conditions as well lightning protection. The driver has a standard input voltage of 90 ~ 305VAC 50/60Hz, a Class A EMI rating, an active power factor correction of ≥0.99 and complies with UL8750 safety regulations and with ANSI/IEEE C62.41 Class A Operation. The TLED221 is suitable for operation in -31°F to 104°F (-35°C to 40°C) ambient conditions.

Thermal Management:
LED light engine modules are each mounted directly to their own dedicated LEDLITE*logic* thermal heat sink. This configuration optimizes the thermal dissipation for each group of LEDs, which makes possible the high efficacy, lumen output and longevity of the TLED221.

Environmentally Friendly Design:
TLED221 luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. The TLED221 consumes only 20W, but the light output can be conservatively compared to a 100W HID luminaire of similar design. The TLED221 provides a significant reduction in KW load and carbon emissions.

Installation:
The TLED221 series features a ½" threaded knuckle that can be installed on any J-box or box cover with a ½" threaded hub.

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.

IESNA LM-79 and LM-80:
The reliability and performance of the TLED221 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.

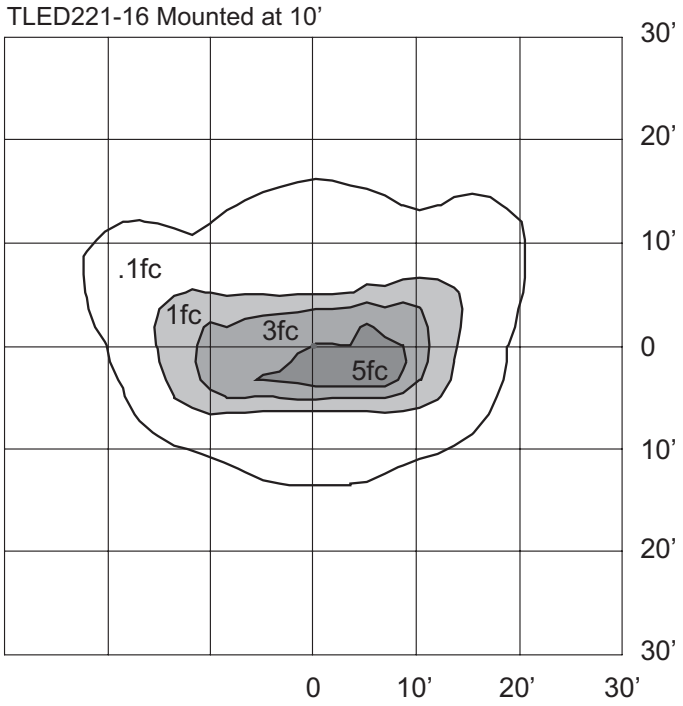
Specs at a Glance	
Wattage (Nominal)	20W
Ingress Protection	Suitable for Wet Locations
Lumens	1357
Efficacy	68
CCT	4700K
Input Voltage	120~277 Voltage Sensing
CRI	≥67
Warranty	5 Years
Ambient Temp	-31°F to 104°F (-35°C to 40°C)

Fixture Performance

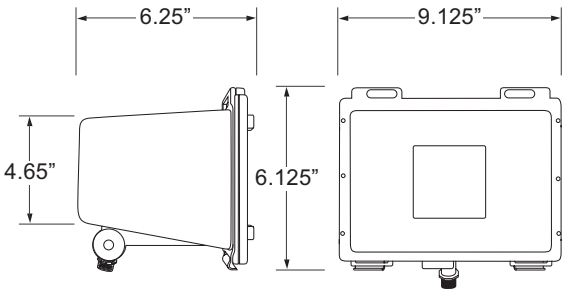
Part Number	Initial Lumens	Lumens Per Watt (LPW)	Total System Watts
TLED221-16	1357	68	20

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.

Sample Photometrics



Dimensions



Approximate Weight: 5 lbs.

Ordering Information

Example: TLED221-16-VS-TP

Series	**Total LED**	**Input Voltage**	**Options** (Factory Installed)	**Accessories**[3] (Field Installed)
TLED221	16 = 16 LEDs	VS = 120~277VAC Voltage Sensing	SZ**XXX**[1] = Single Line Side Fuse (Specify 120 or 277V)	PC1 = 120VAC Photocontrol
			TP = Transient Protection System	PC2 = 277VAC Photocontrol
Notes			TRH = Tamper Resistant Hardware	GRS200 = Ground Stake
[1] Specify voltage			CC[2] = Custom Color	RL221 = Replacement Lens
[2] Consult factory for specific part number and details				
[3] Order as separate line item				

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

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BARRON lighting group
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