

DESCRIPTION

TRACE*LITE's TLED-XPF-110 Extreme Performance floodlight combines the significant energy savings of solid state (SSL) LED lighting and the precise beam control needed for high performance lighting applications. Equipped with 0-10V dimming drivers for optimized control and savings, the elegant and aerodynamic low profile aluminum housing incorporates a unique, efficient heat sink that provides excellent thermal management required by the high wattage LED light engine. Precision optical lenses combined with a high performance, high wattage LED light engines provide a leading edge, energy saving alternative to traditional HID floodlights. The TLED-XPF-110 has been engineered to provide an LED luminaire that delivers concise and consistent optical performance, significant energy savings and over a tenfold increase in longevity over traditional MH lamps, all in an attractive and durable housing. Applications include area and site lighting, or floodlighting in any area where a durable, reliable fixture is demanded, including natatoriums.

SPECIFICATIONS

Construction:

The TLED-XPF-110 has a precision designed aluminum housing with integrated thermal management, integrally mounted driver and stainless steel hardware which facilitates optimum performance and durability of the LED light engine. The low profile of the luminaire provides flexibility for mounting and targeting at the application site, which adds to the savings already created by the reduced power consumption. The TLED-XPF-110 is completely sealed and gasketed, ideal for wet locations, and is driven by IP65 rated, switching mode and dimmable driver. The LED light engine and optic lenses are protected by a sturdy aluminum frame with clear tempered glass lenses that are secured with stainless steel hardware. The TLED-XPF-110 also incorporates a UV resistant, long lasting, polyester based powder coated finish.

Optics:

The TLED-XPF-110 delivers exceptional light quality, with 5000K CCT, a CRI of ≥ 70 and a projected color shift of less than 1%. The TLED-XPF-110 LED light engine and optical lens combinations are specifically designed to distribute light in both the vertical and horizontal angles with a very specific beam pattern. Tight control of the light distribution not only puts light where it is needed in the most efficient way possible, but it also eliminates the need for glare visors and spill control reflectors. Optical options include lenses with either 15°, 30°, 60°, 90° or 135° beam angles to customize performance for the application.

Electrical:

The TLED-XPF-110 utilizes 110 watts (50 LED's) delivering up to 96 lumen's per watt using the tight 15° beam focus. The TLED-XPF-110 LED light engine wattage is powered by an industry leading Meanwell IP65 rated enclosed constant current control dimmable driver. LED module provides a 50,000 hour rated life with 70% lumen maintenance, a 5000K CCT, and a CRI of ≥ 70 (Tj 135C). The driver is a Class 2 switching power supply with voltage sensing input (90~305VAC), 50/60Hz, a Class B EMI rating and a high power factor of ≥ 0.95 . The TLED-XPF-110 is suitable for operation in -40°F to 113°F (-40°C to 45°C) ambient conditions. Derating can be provided for alternative operating temperature ranges.

Thermal Management:

LED light engine and driver are securely mounted directly to the die-cast aluminum housing which has an integrated, finned heatsink, optimizing thermal management. LEDLITE/logic heat sinking technology moves heat away from the LEDs, maximizing system performance and delivering 50,000+ hour life with $>70\%$ lumen maintenance.

Environmentally Friendly Design:

TLED-XPF-110 luminaires consume very little energy and provide long life in comparison to traditional lamp technologies. The TLED-XPF-110 is RoHS compliant and provides a significant reduction in KW load and carbon emissions.

Installation:

The TLED-XPF-110 series features a heavy duty mounting yoke with angle indicators standard to allow for easy installation and aiming. A high quality slipfitter is also available. Driver is mounted within a wet location enclosure compartment integral to the fixture.

Testing & Compliance:

The reliability and performance of the TLED-XPF-110 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

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



Specs at a Glance	
Wattage (Nominal)	110W
Ingress Protection	Suitable for Wet Locations
Lumens (5000K)	11007
Efficacy (5000K)	96
CCT	5000K
Input Voltage	120~277 Voltage Sensing
Optics	15°, 30°, 60°, 90°, 135° Beam Angles
CRI	≥ 70
Warranty	5 Years
Ambient Temp	-40°F to 113°F (-40°C to 45°C)

Corrosion Resistant Option (CR):

Unit will be supplied with corrosion resistant paint, stainless steel hardware and LED boards & gaskets are treated with a chlorine inhibitor. Suitable for natatorium applications.

Warranty:

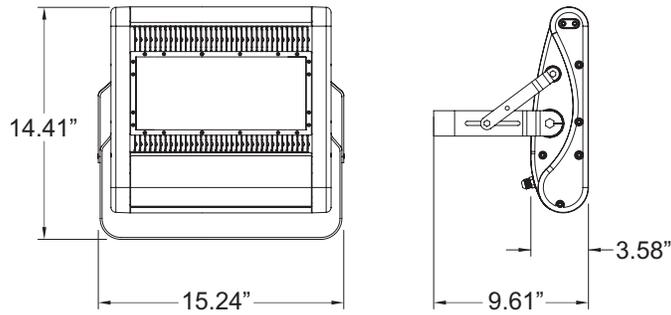
Any component that fails due to manufacturer's defect is guaranteed for 5 years. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

Fixture Performance

Part Number	Lumens (15° Optics)	Lumens Per Watt (LPW)	Total Watts
TLED-XPF-110-50K-15	11007	96	115

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.

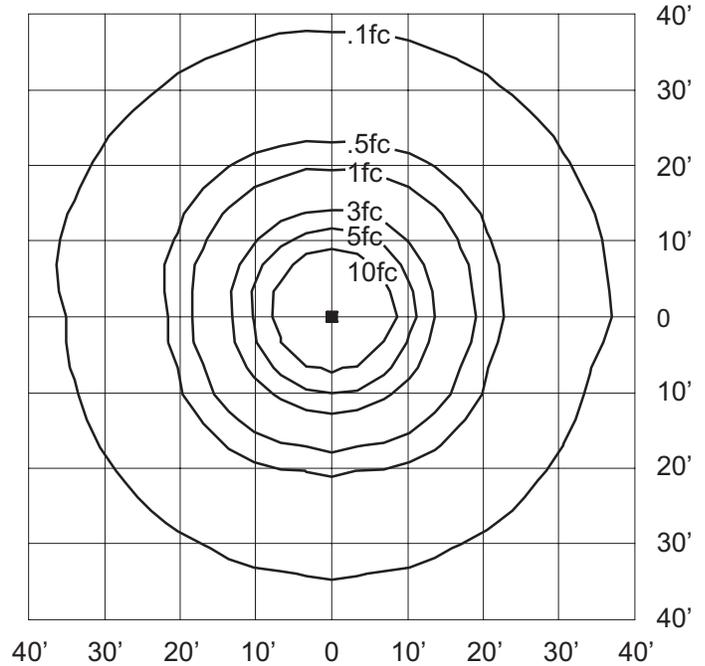
Dimensions



Weight	EPA
15.43 lbs	0.4

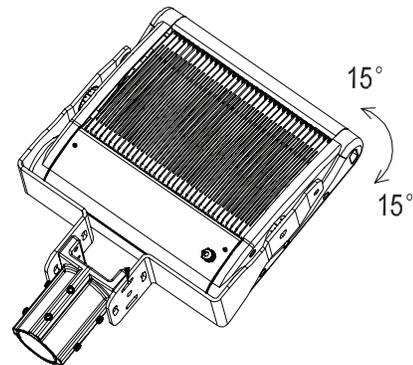
Sample Photometrics

TLED-XPF-110-50K-15D
MOUNTING HEIGHT: 20 FEET
TILT: ZERO



Optic	15D	30D	60D	135DS/135DA
IES NEMA Type	3H x 3V	4H x 4V	6H x 6V	7H x 7V

Tilt Adjustment With Heavy Duty Slipfitter - 15° Up or Down



Ordering Information

Example: TLED-XPF-110-50K-60D-VS-SF

Series	Nominal Wattage	CCT	Optical	Input Voltage	Options (Factory Installed)
TLED-XPF	110 = 110 Watts	50K ¹ = 5000K	15D = 15° Beam Angle	VS = Voltage Sensing (90VAC ~ 305VAC)	BLANK = Heavy Duty Yoke
			30D = 30° Beam Angle		SF ² = Heavy Duty Slipfitter
			60D = 60° Beam Angle		CR ³ = Corrosion Resistant
			90D = 90° Beam Angle		
			135DS = 135° x 60° Symmetric		
			135DA = 135° x 85° Asymmetric		

¹ Custom CCT available, consult factory

² Replaces heavy duty yoke, factory installed

³ Corrosion resistant option suitable for natatorium applications

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

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