TFX1 LED
Floodlights

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

TFX1 with Knuckle Mount

TFX1 with Yoke Mount

Introduction

The TFX1 LED flood luminaire is a cost-effective, energy-efficient, long-life solution for replacing metal halide or HPS floodlights. Delivering 7,300 lumens, the TFX1 can replace up to 175W metal halide while saving 74% in energy costs. Reliable IP66 construction and excellent LED lumen maintenance will ensure a long service life; avoiding the multiple lamp changes of the metal halide luminaires they replace.

The TFX1 is available with 1/2" threaded knuckle and yoke mounting options.

Ordering Information

Color Temp	Lumen Output	Input Power	Efficacy (Lumens per Watt)	Finish	Voltage	Mounting	Catalog Number	CI Code	UPC Code
5000K	7,300	54W	135	Dark Bronze	MVOLT (120V - 277V)	Yoke	TFX1 LED 50K MVOLT YK DDBXD	*2581XT	193048045901
				White		Knuckle	TFX1 LED 50K MVOLT THK DWHXD	*2581Y2	193048045987
						Yoke	TFX1 LED 50K MVOLT YK DWHXD	*2581Y5	193048046007

FEATURES & SPECIFICATIONS

INTENDED USE
The TFX1 LED floodlight is designed to provide a cost effective, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The TFX1 is ideal for replacing up to 150W HID luminaires in parking lots, signage, yards, and other floodlighting applications. TFX luminaires deliver a uniform, wide flood light distribution.

CONSTRUCTION
The TFX1 LED floodlight features a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The light engines and housing are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance is L84/100,000 hours. 4000K and 5000K color temperature (CCT) options with minimum CRI of 70. TFX LED luminaires use MVOLT (120-277V) and ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection.

INSTALLATION
The 1/2" NPT threaded knuckle mount (THK) option can be mounted to conduit bodies or to 4" electrical boxes using the provided round mounting plate. The yoke mount (YK) option allows mounting to any solid surfaces and has a 30" SO cord. TFX luminaires are suitable for aiming in any orientation. TFX1 is rated for installation on ground. Can be tilted from 0° horizontal facing downwards, up to 180° horizontal facing upwards.

LISTINGS
UL Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) Premium qualified product. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

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Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page.Click here to visit Accessories.

TFX1 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

TFX1 LED	
Angle of Tilt	EPA (ft2)
0°	0.29
10°	0.34
20°	0.39
30°	0.42
40°	0.45
50°	0.47
60°	0.48
70°	0.50
80°	0.50
90°	0.50

Photometric Diagrams

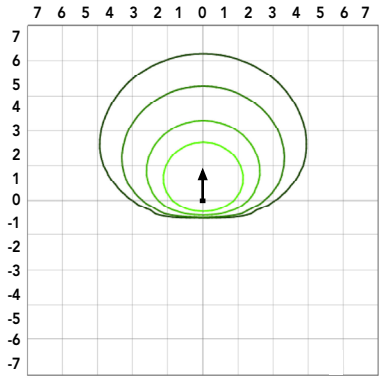
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's.

Distances are in units of mounting height (25').

LEGEND

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

Luminaires tilted at 45°



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical and Lumen Maintenance Data

Electrical Load (Amperage)

Luminaire	Input Power (W)	120V	208V	240V	277V
TFX1 LED Input Current (Amperes)	54W	0.45	0.26	0.23	0.19

Projected Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

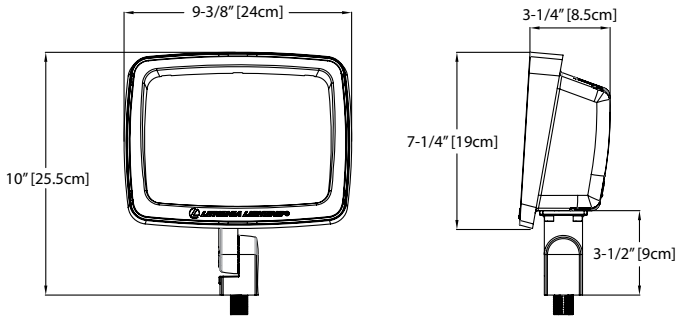
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.91	>0.88	>0.84

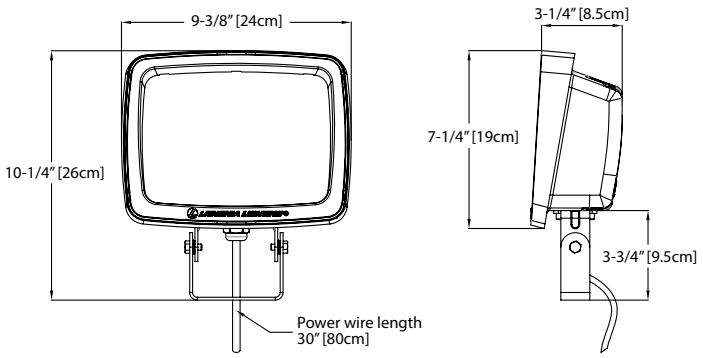
Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Product Dimensions

Weight: 5lbs (2.3kg)



TFX1 with Knuckle Mount



TFX1 with Yoke Mount

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