

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	0.9 fc	5.6 fc	0.0 fc	N/A	N/A

IOWA CERTIFICATION

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

(SIGNATURE) 07/11/11
(DATE)

PETER A. HILGER
 LICENSE NUMBER: 15434
 MY LICENSE RENEWAL DATE IS DECEMBER 31, 12/31/11



FEATURES & SPECIFICATIONS

INTENDED USE — For building- and wall-mounted applications.

CONSTRUCTION — Rugged, die-cast, single-piece aluminum housing. Die-cast doorframe has impact-resistant, tempered glass lens. Doorframe is fully sealed with a closed-cell silicone gasket.

Finish: Standard finish is textured dark bronze (DDBT) polyester powder finish, with other architectural colors available.

OPTICS — Hydroformed reflector for superior uniformity and control. Vertical lamp orientation for improved lamp output and life.

ELECTRICAL — HID 70W-150W utilizes a high-mastrop, high-power factor ballast. 175W utilizes a constant-wattage autotransformer ballast. Super CWA Pulse Start ballasts, 80% efficient and EISA legislation compliant, are required for 151-200W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. 200W is only available with SCWA, HEB maximum wattage 100W. Quick-disconnect plug easily disconnects reflector from ballast and fixture from supply wires. Ballasts are precision-wound and 100% factory tested. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired. Socket: for HID porcelain, medium-base socket (G12 for 70W/90W) with copper alloy, nickel-plated screw shell and center contact.

INSTALLATION — Universal mounting plate with integral mounting bolts supports the fixture for easy, one-person installation.

LISTINGS — CSA Certified to U.S. and Canadian standards. Down orientation only. NOM Certified (See Options). **IP65 rated.** HID: 175W and below listed to 40° C ambient. 200W listed to 25° C ambient. The ELED option is listed to 25° C ambient. ELED: U.S. Patent No. 7,737,640.

Note: Specifications subject to change without notice.

Catalog Number	
Notes	
Type	



Wall-Mounted Luminaire

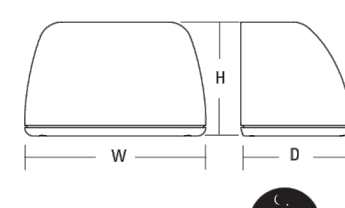
TWF1

METAL HALIDE: 70W-200W
 HIGH PRESSURE SODIUM: 70S-150S

Specifications

Width: 16 (406.0)
 Height: 10 1/4 (26.4)
 Depth: 9-5/8 (24.4)
 *Weight: 24 lbs (10.9 kg)

All dimensions are inches (millimeters) unless otherwise indicated.
 *Weight is configured in example below.



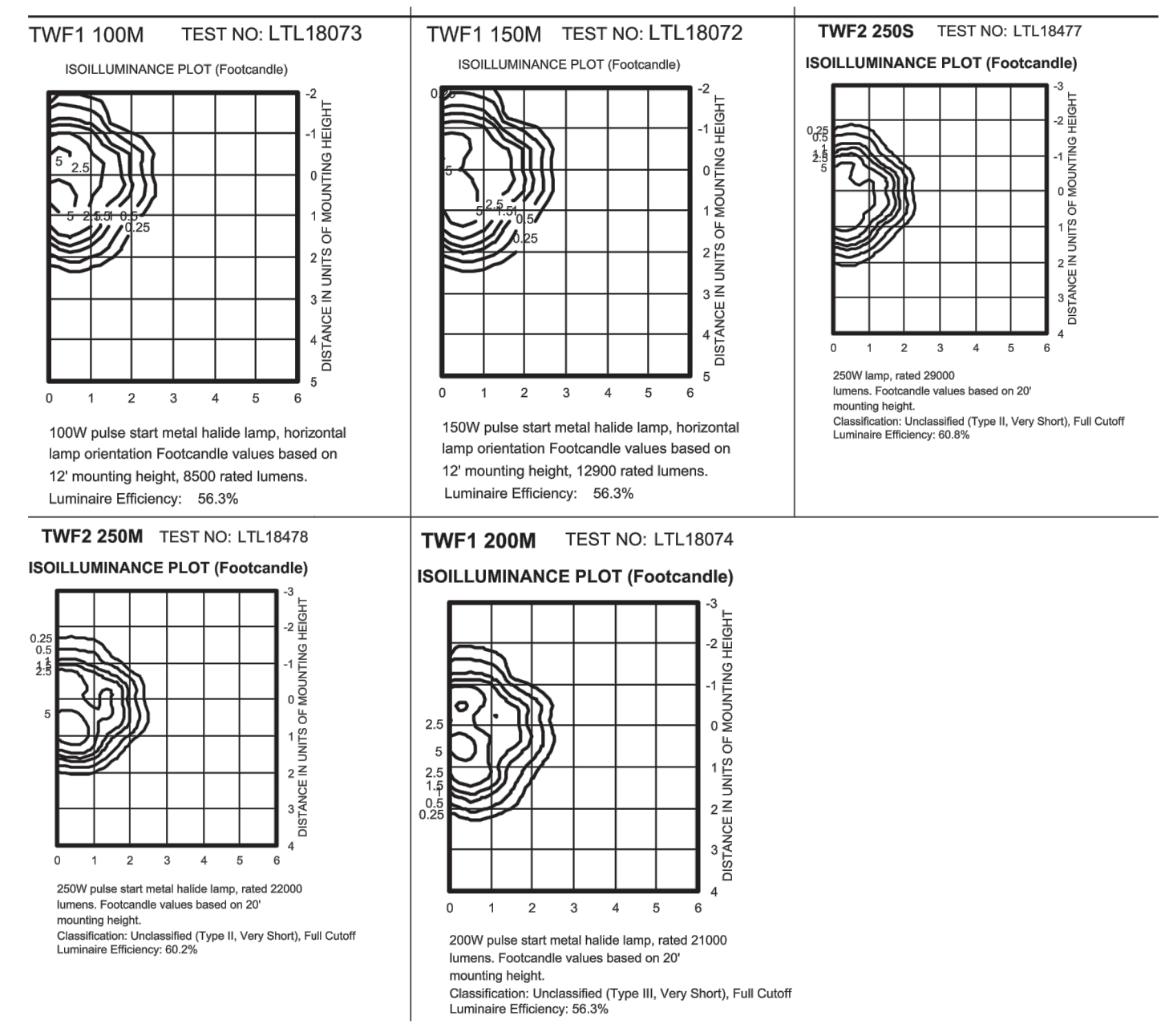
ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example: TWF1 100M TB LPI**

Series	Wattage	Voltage	Ballast	Mounting	Options	Finish*	Lamp†
TWF1	Metal halide	120	(blank) Magnetic ballast	(blank) Surface mount	Shipped installed in fixture	(blank) Dark bronze, textured	LPI Lamp included
	200W	208	CWI Constant wattage isolated	Shipped separately	SF Single fuse (120, 277, 347V, n/a TB)	DSST Sandstone, textured	LAP Less lamp
	70W	240V	CWI Constant wattage isolated	Shipped separately	DF Double fuse (208, 240, 480V, n/a TB)	DNAT Natural aluminum, textured	
	150W	277	HEB Electronic ballast	Surface mount	QRSTD Quartz restrike with time delay ¹³	DWHG White, textured	
	175W	347	HEB Electronic ballast		QRS Quartz restrike system ¹⁴	DRBL Black, textured	
	200W	480V	HEB Electronic ballast		EC Emergency circuit ¹⁵	CR Corrosion-resistant finish	
	200W	TB†	SCWA Super CWA pulse start ballast ¹⁶		ELED Emergency LED secondary source battery pack (4" min. operating temperature) ^{17, 18}	CRT Non-stick protective coating (black only)	
	Ceramic metal halide	230/50HZ	SCWA Super CWA pulse start ballast ¹⁶		JELED Emergency LED secondary source (two modules) battery pack (4" min. operating temperature) ^{17, 18}		
	70W/90W		Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA.		DC12 Emergency circuit 12-volt (35W lamp included) ^{19, 20}		
	100W/100W				DC12C Emergency circuit 12-volt (two 35W lamp included) ^{19, 20}		
	150W				DC2012 Emergency circuit 12-volt (20W lamp included) ^{19, 20}		
	150S				DC2012C Emergency circuit 12-volt (two 20W lamp included) ^{19, 20}		
					PE Photoelectric cell-button type (n/a TB or 400V) ²¹		
					CSA CSA certified		
					NOM NOM certified		
					INTL International shipment for 175W		

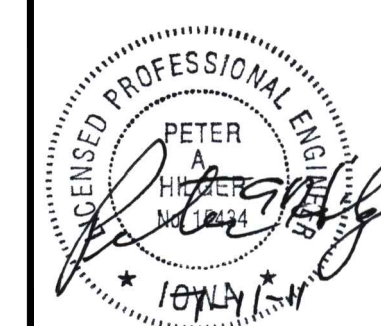
Notes:

- Must be ordered with lamp included (LPI).
- Must specify CW in Canada.
- Optional metal-halide ballast: 120, 208, 240, 277V, 120, 277, 347V in Canada—ships as 120/240.
- Consult factory for availability.
- Available in metal halide only.
- Not available in 70 or 100W.
- May be selected as an accessory. Prefix with TWF1.
- Must specify finish when selected as an accessory. Not available with ELED or JELED.
- Maximum allowable wattage lamp included.
- Cannot be ordered with any other emergency option.
- Maximum wattage 100W and 70S. Only available in 120V or 277V.
- Must specify wattage.
- Not available with SF or DF.
- Consult factory for maximum HID wattage available with this option.
- Must be ordered with fixture; cannot be field installed.
- See www.lithonia.com/architects for additional color options.
- Must be specified.

TWF1 Metal Halide, High Pressure Sodium, Wall Mounted



OUTDOOR: One Lithonia Way, Dayton, GA 30012 Phone: 770.922.9000 Fax: 770.916.1208 www.lithonia.com ©2008-2010 Acuity Brands Lighting, Inc. All rights reserved. Rev. 12/19/10



NEW TENANT LAYOUT FOR JIMMY JOHN'S SANDWICH SHOP

105 N. WARREN BLVD
 WAUKESHA, IOWA 50263

DATE: 6/23/11

DATE REVISED

SHEET TITLE

ELECTRICAL SITE PHOTOMETRICS

SHEET NUMBER

ES-1