

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Outdoor storage areas, warehouse and factory perimeters and loading docks.

**CONSTRUCTION** — Rugged, corrosion-resistant, die-cast aluminum. Corrosion-resistant external hardware includes slotted hex-head fasteners.

Finish: Standard finish is electrostatically-applied, oven-cured, dark bronze (DDB) corrosion-resistant polyester powder paint.

**OPTICS** — Reflector is specular anodized aluminum. Refractor is prismatic borosilicate glass which is sealed and gasketed to inhibit the entrance of outside contaminants.

**ELECTRICAL** — Electrical components are mounted in hinged front cover that includes primary and secondary electrical disconnect.

Ballast: Low pressure sodium: High reactance, high power factor. High pressure sodium: 70-150W is high reactance, high power factor. Constant wattage autotransformer for 200-400W. Metal halide: 70-150W is high reactance, high power factor and is standard with pulse-start ignitor technology. SCWA not required. Constant wattage autotransformer for 175-400W. Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for metal halide 151-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested.

Socket: Porcelain, horizontally oriented, single-ended bayonet base socket for 35W low pressure sodium; medium base socket for 70-150W; and mogul base socket for 175W and above, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

**INSTALLATION** — Back housing is separated from front housing, eliminating ballast weight and promoting easy handling. Top 3/4" threaded wiring access. Back access through removable 3/4" knockout. Feed-thru wiring can be achieved by using a conduit tee. Mount on any vertical surface. **Not recommended in applications where a sprayed stream of water can come in direct contact with glass lens.**

**LISTINGS** — UL Listed (standard). CSA or NOM Certified (see Options). UL listed for 25°C ambient and suitable for wet locations. IP65 rated (250 watt and below) or IP54 rated (400 watt) in accordance with IEC Standard 529.

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type



Wall Packs

# TWH

METAL HALIDE: 70W - 400W  
HIGH PRESSURE SODIUM: 70W - 400W  
LOW PRESSURE SODIUM: 35W  
8' to 25' Mounting

### Specifications

Height: 15-3/4 (40.0)

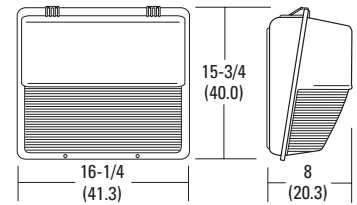
Width: 16-1/4 (41.3)

Depth: 8 (20.3)

\*Weight: 29.95 (13.59kg)

All dimensions are inches (centimeters) unless otherwise indicated.

\*Weight as configured in example below.



### ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

**Example: TWH 250M TB SCWA LPI**

TWH	Series	Wattage	Voltage	Ballast	Options	Finish <sup>15</sup>	Lamp <sup>17</sup>	
TWH	Low pressure sodium <sup>1</sup>	Metal halide	<b>120</b>	(blank) Magnetic ballast	<b>Shipped installed in fixture</b>		(blank) Dark bronze	LPI Lamp included
		70M <sup>1,3</sup>	208 <sup>8</sup>	CWI Constant wattage isolated	SF Single fuse (120, 277, 347V)	DNA Natural aluminum	L/LP Less lamp	
	35L	100M <sup>1</sup>	240 <sup>8</sup>	 <b>SCWA</b> Super CWA pulse start ballast Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	DF Double fuse (208, 240, 480V)	DBL Black		
		High pressure sodium <sup>1</sup>	<b>150M</b>		<b>277</b>	EC Emergency circuit <sup>11</sup>	DMB Medium bronze	
	70S	<b>175M<sup>4</sup></b>	<b>347</b>		QRS Quartz restrike <sup>11</sup>	DWH White		
	100S	200M <sup>5</sup>	480 <sup>8</sup>		QRSTD Quartz restrike system with time delay <sup>10, 11</sup>	CR Enhanced corrosion resistant		
	150S <sup>2</sup>	<b>250M<sup>6</sup></b>	<b>TB<sup>9</sup></b>		PE Photoelectric cell - button type <sup>3</sup>	CRT Non-stick protective coating <sup>16</sup>		
	200S	320M <sup>5</sup>	2305HZ <sup>10</sup>		PER NEMA twist-lock receptacle <sup>12</sup>			
	<b>250S</b>	350M <sup>4,5</sup>			FS Full shield			
	<b>400S</b>	<b>400M<sup>6,7</sup></b>			TP Tamper proof screws			
		Ceramic metal halide			<b>CSA</b> Listed and labeled to comply with Canadian Standards			
		70MHC <sup>1,3</sup>			NOM NOM Certified <sup>10</sup>			
		100MHC <sup>1</sup>			INTL Available for MH probe start shipping outside the U.S.			
		150MHC			REGC1 California Title 20 effective 1/1/2010			
					<b>Shipped separately<sup>13</sup></b>			
			PE1 NEMA twist-lock PE (120V/208V/240V)					
			PE3 NEMA twist-lock PE (347V)					
			PE4 NEMA twist-lock PE (480V)					
			PE7 NEMA twist-lock PE (277V)					
			SC Shooting cap for PER option					
			VG Vandal guard <sup>14</sup>					
			WG Wire guard <sup>14</sup>					

### Notes

- Not available with SCWA.
- Operates 55V lamp.
- Not available with 480V.
- These wattages do not comply with California Title 20 regulations.
- Must be ordered with SCWA.
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 is not available in 347 or 480V.
- Requires T-15, ED or BT28 reduced jacket lamp.
- Must specify CWI for use in Canada.

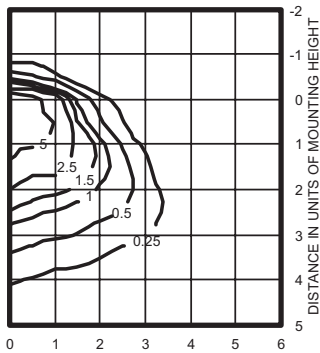
- Optional multi-tap ballast (120, 208, 240, 277V); in Canada (120, 277, 347V).
- Consult factory for available wattages.
- Max allowable wattage lamp included.
- Photocell not included.
- May be ordered as an accessory.
- Prefix with TWH when ordered as an accessory. Requires field modification.
- See www.lithonia.com/archcolors for additional color options.
- Black finish only.
- Must be specified. L/LP N/A MHC.

# TWH Metal Halide Wall-Packs

Coefficient of Utilization \_\_\_\_\_  
 Initial Footcandles \_\_\_\_\_

## TWH 175M Test report no. 94121101P

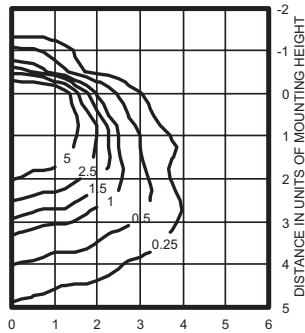
ISOILLUMINANCE PLOT (Footcandle)



175W pulse start metal halide lamp, horizontal lamp orientation  
 Footcandle values based on 12' mounting height, 12800 rated lumens.  
 Luminaire Efficiency: 61%

## TWH 250M Test report no. 95011902P

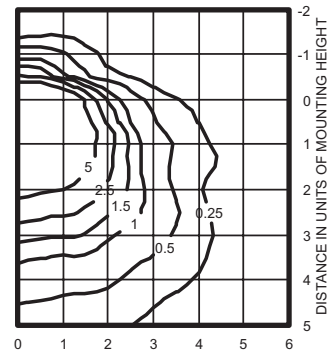
ISOILLUMINANCE PLOT (Footcandle)



250W pulse start metal halide lamp, horizontal lamp orientation  
 Footcandle values based on 12' mounting height, 25000 rated lumens.  
 Luminaire Efficiency: 77%

## TWH 400M Test report no. 9412102P

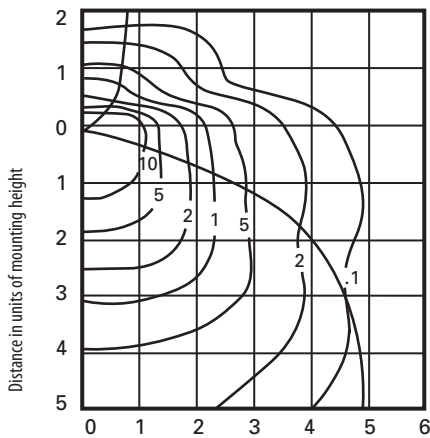
ISOILLUMINANCE PLOT (Footcandle)



400W pulse start metal halide lamp, horizontal lamp orientation  
 Footcandle values based on 12' mounting height, 38000 rated lumens.  
 Luminaire Efficiency: 70%

## TWH 250S Test report no. 94121002

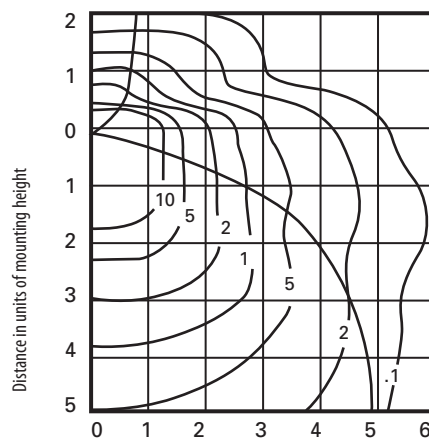
Coefficients of utilization



250W, high pressure sodium lamp, horizontal lamp orientation, 12' mounting height, 27,500 rated lumens.  
**Total fixture efficiency: 70.9%**

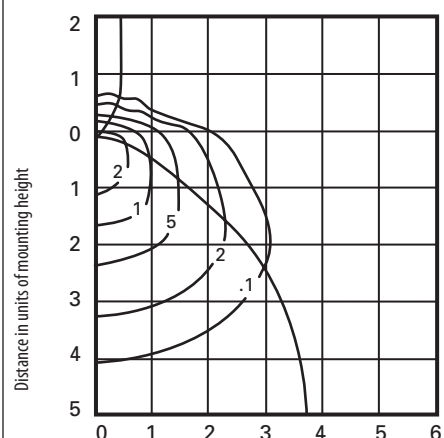
## TWH 400S Test report no. 94121001

Coefficients of utilization



400W, high pressure sodium lamp, horizontal lamp orientation, 12' mounting height, 50,000 rated lumens.  
**Total fixture efficiency: 70.9%**

## TWH 35L Test report no. 94121902



35W, low pressure sodium lamp, horizontal lamp orientation, 12' mounting height, 4,800 rated lumens.  
**Total fixture efficiency: 54.6%**

**Notes**

1 Photometric data for other distributions can be accessed from the Lithonia Lighting Web site. ([www.lithonia.com](http://www.lithonia.com))

**Mounting Height Correction Factor**

(Multiply the fc level by the correction factor)

15 ft. = .64

20 ft. = .36

25 ft. = .23

$$\left( \frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$



TWH\_M\_S\_L