

## 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.

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

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

**Ballast:** 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.

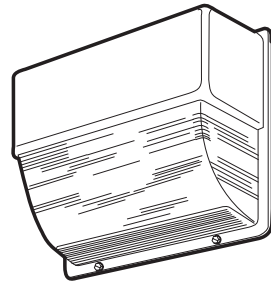
**Socket:** Porcelain, horizontally oriented, single-ended bayonet base socket for 35W low pressure sodium; medium base socket for 70-150W; and mogul base socket for 175W and above, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

**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 condulet tee. Mount on any vertical surface. **Not recommended in applications where a sprayed stream of water can come in direct contact with glass lens.**

**LISTING** — 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.

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" (40cm)

Width: 16-1/4" (42.6cm)

Depth: 8" (20.3cm)

\*Weight: 29.95 (13.59kg)

\*Weight as configured in example below.

## ORDERING INFORMATION

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

Example: TWH 100M TB LPI

TWH		Voltage	Ballast	Options	Finish <sup>13</sup>	Lamp <sup>15</sup>
Series	TWH	120	(blank) Magnetic ballast	<b>Shipped installed in fixture</b>	(blank) <b>Dark bronze</b>	<b>LPI Lamp included</b>
Wattage		208 <sup>6</sup>	CWI Constant wattage isolated	SF Single fuse (120, 277, 347V)	<b>DNA Natural aluminum</b>	<b>L/LP Less lamp</b>
Low pressure sodium <sup>1</sup>	Metal halide	240 <sup>6</sup>	 <b>Pulse Start</b> <small>HID Ballast/Lamp System</small>	DF Double fuse (208, 240, 480V)	<b>DBL Black</b>	
35L	70M <sup>1,3</sup>	277		EC Emergency circuit <sup>9</sup>	<b>DMB Medium bronze</b>	
High pressure sodium <sup>1</sup>	100M <sup>1</sup>	347	 <b>SCWA Super CWA ballast</b>	QRS Quartz restrrike system <sup>9</sup>	<b>DWH White</b>	
70S	150M	480 <sup>6</sup>		QRSTD Quartz restrrike with time delay <sup>8,9</sup>	CR Enhanced corrosion resistance	
100S	<b>175M</b>	23050HZ <sup>8</sup>	NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	PER NEMA twist-lock receptacle <sup>11</sup>	CRT Non-stick protective coating <sup>14</sup>	
150S <sup>2</sup>	200M <sup>4</sup>			FS Full shield		
200S	<b>250M</b>			TP Tamper proof screws		
250S	320M <sup>4</sup>			CSA Listed and labeled to comply with Canadian Standards		
400S	350M <sup>4</sup>			NOM NOM Certified (consult factory)		
	<b>400M<sup>5</sup></b>			INTL Available for MH probe start shipping outside the U.S.		
	Ceramic metal halide			<b>Shipped separately<sup>12</sup></b>		
	70MHC <sup>1</sup>			PE1 NEMA twist-lock photocontrol (120V/208V/240V)		
	100MHC <sup>1</sup>			PE3 NEMA twist-lock photocontrol (347V)		
	150MHC			PE4 NEMA twist-lock photocontrol (480V)		
				PE7 NEMA twist-lock photocontrol (277V)		
				SC Shorting cap for PER option		
				VG Vandal guard		
				WG Wireguard		

NOTES:

1 Not available with SCWA.

2 Operates 55V lamp.

3 Not available with 480V.

4 Must be ordered with SCWA.

5 Requires T-15, ED or BT28 reduced jacket lamp.

6 Must specify CWI for use in Canada.

7 Optional multi-tap ballast (120, 208, 240, 277V); in Canada (120, 277, 347V).

8 Consult factory for available wattages.

9 Max allowable wattage lamp included.

10 Not available with 347V.

11 Photocell not included.

12 May be ordered as an accessory.

13 See [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) for additional color options.

14 Black finish only.

15 Must be specified.

16 Requires field modification when ordered as an accessory.

### Accessories

Order as separate catalog number.

TWHVG Vandal guard<sup>16</sup>

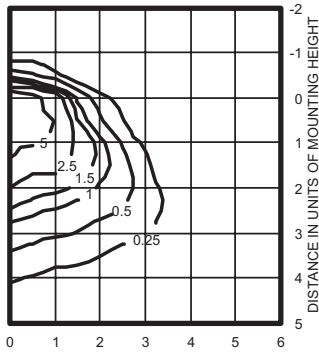
TWHWG Wire guard<sup>16</sup>

# TWH Metal Halide Wall-Packs

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

## TWH 175M Test report no. 94121101P

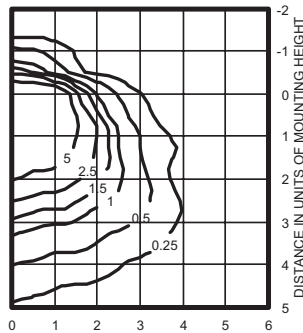
ISOILLUMINANCE PLOT (Footcandle)



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

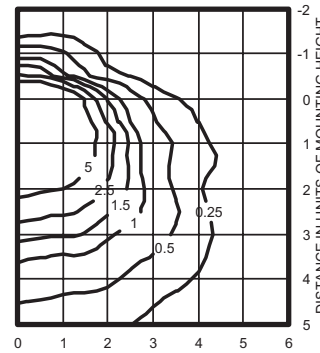
ISOILLUMINANCE PLOT (Footcandle)



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. 94112102P

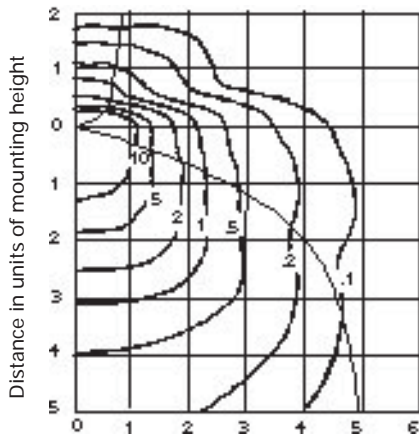
ISOILLUMINANCE PLOT (Footcandle)



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

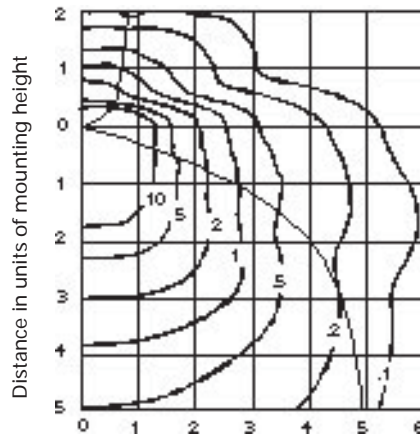


Distance in units of mounting height

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

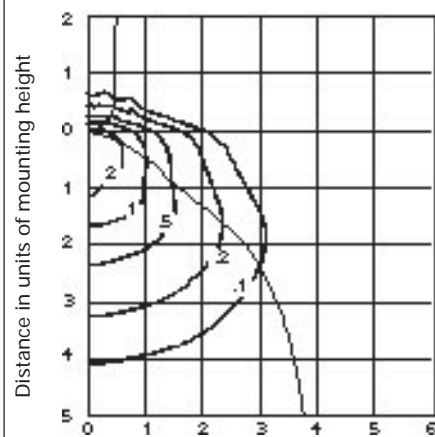
Coefficients of utilization



Distance in units of mounting height

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



Distance in units of mounting height

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

### Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

15 ft. = .64

20 ft. = .36

25 ft. = .23

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

### NOTES:

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

