

TWH



Intended Use

For outdoor storage areas, warehouse and factory perimeters and loading docks. **Contact with a direct forceful spray of water during operation can result in glass breakage. Not recommended for car wash applications.**

Features

Housing – Rugged, die-cast aluminum housing. Corrosion-resistant captive external hardware includes slotted hex-head fasteners. Standard finish is dark bronze (DDB) corrosion-resistant polyester powder. Other architectural colors available.

Optics – Reflector is specular anodized aluminum. Refractor is prismatic borosilicate glass. Lens is sealed and gasketed to inhibit entrance of outside contaminants.

Electrical – 70-150W HPS and 100-150M: High-reactance, high-power factor. All others: Constant-wattage autotransformer. Ballasts are

copper wound and 100% factory tested. UL Listed. Electrical components mounted in hinged front cover that includes primary and secondary electrical disconnect.

Socket – Glazed porcelain (mogul-based; 175M and above; medium based: 150M, 150S and below), horizontally oriented with copper alloy, nickel-plated screw shell and center contact. UL Listed 660W, 600V for medium base; 1500W, 600V for mogul base. 4KV pulse rated.

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. Mount on any flat, non-combustible vertical surface.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for wet locations. IP65 rated (250W and below) or IP54 rated (400W).

Ordering Information

Designation	Voltage	Options
High pressure sodium		
TWH 70S	120	Installed
TWH 100S	208 ⁶	SF Single fuse, 120V, 277V, 347V (n/aTB or TBV)
TWH 150S	277	DF Double fuse, 208V, 240V, 480V (n/a TB or TBV)
TWH 200S	347	EC Emergency circuit ^{10,11}
TWH 250S	480 ⁷	QRS Quartz restrike system ^{10,11}
TWH 400S	TB ⁸	CR Enhanced corrosion resistance
Metal halide		
TWH 100M	TBV ⁹	CRT Non-stick protective coating ¹²
TWH 150M ¹		PE Photoelectric cell – button type (n/a TB, TBV or 480)
TWH 175M		PER NEMA twist-lock receptacle ¹³
TWH 200M ²		FS Full shield
TWH 250M ¹		TWHWG Wireguard ¹⁴
TWH 320M ²		TWHVG Vandal guard ¹⁴
TWH 350M ²		SCWA Super SCWA pulse start ballast (150M-400M only; n/a 175M)
TWH 400M ^{1,3}		RHP Reactor high-power factor ballast (HPS 150W & below only)
Mercury vapor		
TWH 100H		RNP Reactor normal-power factor ballast (HPS 150W & below only, 120V only)
TWH 175H		XHP Reactance high-power factor ballast (HPS 150W & below only)
TWH 250H		CSA CSA Certified ¹⁵
Low pressure sodium		
TWH 35L ⁴		NOM NOM Certified (consult factory)
Incandescent		
TWH 300I ^{5,10}		LPI Lamp included ¹⁶
		L/LP Less lamp
		TP Tamperproof fasteners

For optional architectural colors, see page 543.

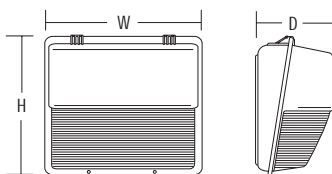
Example: TWH 250S TB LPI

Accessories	(Order separately)
RK1PEB1	Photoelectric control kit, 120V
RK1PEB2	Photoelectric control kit, 208V, 240V, 277V
RK1PEB1CSA	Photoelectric control kit, 120V
RK1PEB3CSA	Photoelectric control kit, 347V
RK1TWHGLFS	Field installable full shield, for cutoff
PE1	NEMA twist-lock photocontrol, 120V, 208V, 240V ¹⁷
PE3	NEMA twist-lock photocontrol, 347V ¹⁷
PE4	NEMA twist-lock photocontrol, 480V ¹⁷
PE7	NEMA twist-lock photocontrol, 277V ¹⁷

- NOTES:
- 1 May be ordered with SCWA.
 - 2 Must be ordered with SCWA.
 - 3 Requires ED or BT 28 reduced jacket lamp.
 - 4 Not available with TB.
 - 5 120V only, A21 lamp.
 - 6 Consult factory for availability in Canada.
 - 7 Consult factory for availability in Canada, n/a 150M.
 - 8 Optional multi-tap ballast (120V, 208V, 240V, 277V). In Canada 120V, 277V, 347V; ships as 120V/347V.
 - 9 Optional 5-tap ballast (120V, 208V, 240V, 277V, 480V).
 - 10 Lamp not included.
 - 11 Quartz lamp wattage not to exceed ballast wattage rating.
 - 12 Black finish only.
 - 13 Photocell not included.
 - 14 Requires factory modification.
 - 15 Not available with TBV.
 - 16 Not available with incandescent.
 - 17 PER must be ordered with fixture.
 - 18 Other ballast types available.

Dimensions are shown in inches (centimeters) unless otherwise noted.

- Height: 15-1/4 (40)
- Width: 16-1/4 (41.3)
- Depth: 8 (20.3)
- Weight: 26-42 lbs (12-19 kg)



Lamp/Fixture Data ¹⁸			
Wattage	Ballast	Lamp type	Base type
High pressure sodium (med/mog/clear)			
70	HX-HPF	E17	medium
100	HX-HPF	E17	medium
150	HX-HPF	E17	medium
250	CWA	BT28	mogul
400	CWA	BT28	mogul
Metal halide (med(150)/mog/clear)			
150	HX-HPF	E17	medium
175	CWA	BT28	mogul
250	CWA	BT28	mogul
400	CWA	ED or BT28	mogul

lightquick[®] XD
Express delivery products.

See page 11 for details about LightQuick XD.

Description

TWH 250M TB LPI

TWH 400M TB LPI