

Wall Mounted Outdoor Fixtures, TWP-Series

TWP, Die-Cast Wall Pack, Polycarbonate Refractor

Intended Use

For entrances, loading docks, walkways and vehicle ramps.

Not recommended for applications with frequent exposure to harsh chemicals or commercial cleaning fluids (e.g., car washes). Installations in such environments may lead to premature failure of the luminaire and void the warranty.

Construction

Housing: Rear housing is rugged, die-cast aluminum. Corrosion-resistant, captive external hardware includes slotted hex-head and tamperproof fasteners. Finish is dark bronze (DDB) corrosion-resistant polyester powder.

Optics

Reflector is aluminum, finished in white enamel. Front housing and refractor are one-piece, injection-molded, UV-stabilized polycarbonate. Standard finish: front cover has an opaque lower portion and dark bronze painted upper portion; back housing is dark bronze polyester. Refractor is sealed and gasketed to inhibit the entrance of outside contaminants.

Nighttime Friendly™ - Order with full shield (FS) option, vandal resistant polycarbonate front cover, 400W max.

Electrical

Ballast: All ballasts are 100% factory tested. High reactance, high power factor for 150W and below. Constant wattage autotransformer for 175W. **MH:** 150W and below are standard with pulse-start ignitor technology. CSA, NOM or INTL required for probe start shipments outside the U.S. for 175M. Not available in 175M with SCWA. Compact fluorescent uses an electronic high-frequency ballast.

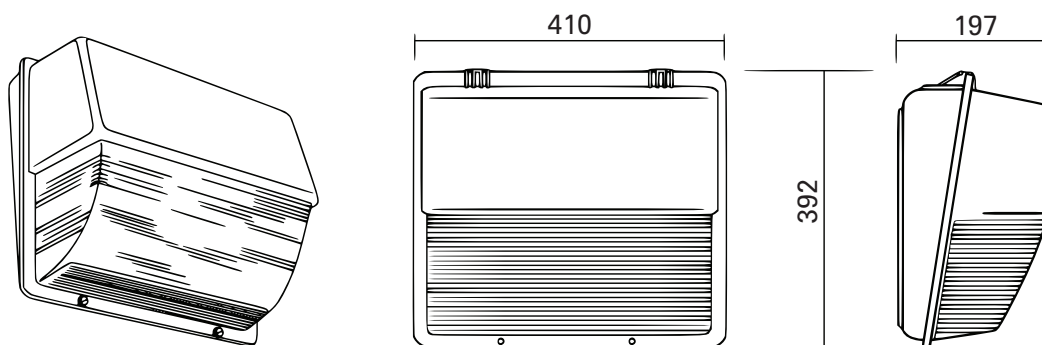
Socket: Glazed porcelain medium based (mogul based 175W), horizontally oriented with copper alloy, nickelplated screw shell and center contact. UL Listed 660W, 600V for medium base; 1500W, 600V for mogul base. 4KV pulse rated. Fluorescent is four-pin positive latching thermoplastic. LPI is standard 35K for CFL.

Installation

Top 3/4" threaded wiring access. Back access through 3/4" opening. For feed-thru wiring, use conduit tee (not included). Mount on any flat, non-combustible vertical surface.

Listings

UL Listed (standard). CSA or NOM Certified (see Options). UL Listed for 25°C ambient and wet locations. IP65 rated.



Technical Data are Subject to Change without Notice. Dimensions in mm.

FEATURES & SPECIFICATIONS

INTENDED USE

For entrances, loading docks, walkways and vehicle ramps.

CONSTRUCTION

Rear housing: Rugged, corrosion-resistant, die-cast aluminum. Corrosion-resistant external hardware includes slotted hex-head and tamperproof fasteners.

Front housing and refractor: One-piece, injection-molded, UV-stabilized polycarbonate.

FINISH

Dark Bronze (DDB) corrosion resistant polyester powder.

OPTICAL SYSTEM

Reflector is finished in white thermoset polyester powder, electrostatically applied. Standard finish on opaque portion of front cover and back housing is dark bronze polyester enamel. Refractor is sealed and gasketed to inhibit the entrance of outside contaminants.

ELECTRICAL SYSTEM

Ballast: Class P, multi-volt electronic, high power factor, <10%THD, with starting temperature of 0°F (-18°C).

Socket: High temperature thermoplastic with an integral lamp retention clip.

Lamp: 35K lamp provided when lamp is included with fixture (LPI).

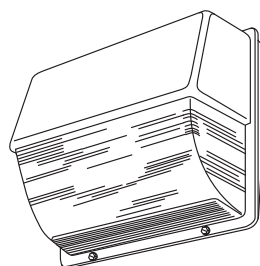
INSTALLATION

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 flat, vertical surface. NOTE: Not recommended for use in car wash interior applications.

LISTING

Listed and labeled to UL standards. Listed and labeled to CSA standards (see Options). UL listed for 25°C ambient and wet location. IP64 rated.

NOTE: Specifications subject to change without notice.



Wall Packs

TWP

COMPACT FLUORESCENT
26DTT - 2/42TRT

8' to 15' Mounting

Specifications

Height: 15-7/16 (39.2)

Width: 16-1/8 (41)

Depth: 7-3/4 (19.7)

*Weight: 16 lbs. (7 kg)

* Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: TWP 2/32TRT MVOLT LPI

TWP							
Series	Wattage/lamp	Voltage	Options		Finish ⁷	Lamp ⁹	
TWP	26DTT	120	<u>Shipped installed in fixture</u>		(blank) Dark bronze	LPI	Lamp included
	2/26DTT	277	GMF	Internal slow-blow fusing ²	DBL	Black	
	26TRT	347	GLR	Internal fast-blow fusing ²	DMB	Medium bronze	L/LP Less lamp
	2/26TRT	MVOLT ¹	BDP	Ballast disconnect plug	DWH	White	
	32TRT		EC	Emergency circuit ³	DNA	Natural aluminum	
	2/32TRT		ELDWC	Emergency battery pack (-4°F min. operating temp) ^{2,4}	CR	Enhanced corrosion resistance	
	42TRT		PE	Photoelectric cell - button type ^{2,5}	CRT	Non-stick protective coating ⁸	
	2/42TRT		CSA	Listed and labeled to CSA Standards			
			<u>Shipped separately⁶</u>				
			FS	Full shield			
			WG	Wireguard			

NOTES:

- Optional multi-volt electronic ballast capable of operating on any line voltage from 120V-277V.
- Must specify voltage; not available with MVOLT.
- Maximum allowable wattage lamp included.
- For 2-lamp configurations, only one lamp operates in emergency backup mode.
- Not available with 347V.
- May be ordered as an accessory.
- Please request for additional color options.
- Black finish (coating applied to housing only).
- Must be specified.
- Must specify finish.

Accessories:

Order as separate catalog number.

RK1 PEB1	Photoelectric control kit (120V)
RK1 PEB1 CSA	Photoelectric control kit (120V only)
RK1 PEB2	Photoelectric control kit (208,240,277V)
RK1 TWPFAFS_	Field installable full shield for cutoff ¹⁰
TWPWG	Wireguard

FEATURES & SPECIFICATIONS

INTENDED USE — For entrances, loading docks, walkways and vehicle ramps.

CONSTRUCTION — Rear housing: Rugged, corrosion-resistant, die-cast aluminum. Corrosion-resistant external hardware includes slotted hex-head and tamperproof fasteners. Front housing and refractor: one-piece, injection-molded, UV-stabilized polycarbonate.

FINISH — Dark bronze (DDB) corrosion-resistant polyester powder.

OPTICAL SYSTEM — Reflector is finished in white thermoset polyester powder, electrostatically applied. Standard finish on opaque portion of front cover and back housing is dark bronze polyester enamel. Refractor is sealed and gasketed to inhibit the entrance of outside contaminants.

ELECTRICAL SYSTEM — Ballast: High pressure sodium is high reactance, high power factor. Metal halide 50-150W are high reactance, high power factor and are standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175M (CSA, NOM or INTL required for probe start shipments outside of the US). Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for 175M (SCWA option) for US shipments only. Ballast is 100% factory-tested.

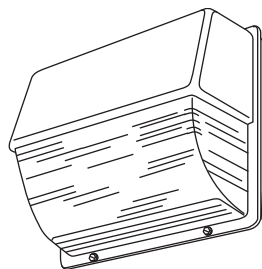
Socket: Porcelain, horizontally oriented, single-ended bayonet base socket for 35W low pressure sodium; medium base socket for 70-150W; and mogul base socket for 175W with copper alloy, nickel-plated screw shell and center contact. UL listed 1500V, 600V.

INSTALLATION — 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 flat, vertical surface.

LISTING — Listed and labeled to UL standards. Listed and labeled to CSA standards (see Options). NOM Certified (see Options). UL listed for 25°C ambient and wet locations. IP64 rated.

NOTE: Not recommended for use in car wash interior applications.

Specifications subject to change without notice.



Specifications

Height: 15-7/16 (39.2)

Width: 16-1/8 (41)

Depth: 7-3/4 (19.7)

*Weight: 17.9 lbs. (8.12 kg)

* Weight as configured in example below.

All dimensions are inches (centimeters) unless otherwise specified.

Wall Packs

TWP

METAL HALIDE

70W-175W

HIGH PRESSURE SODIUM

35W-150W

LOW PRESSURE SODIUM


35W

8' to 15' Mounting

ORDERING INFORMATION

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

Example: TWP 100M 120 LPI

TWP					
Series	Wattage/source	Voltage	Ballast	Options	Lamp ¹⁴
TWP	<u>Metal halide</u>	120	(blank) Magnetic ballast	<u>Shipped installed in fixture</u>	LPI Lamp included L/LP Less lamp
	70M ^{1,2,3}	208 ⁶	CWI Constant wattage isolated	SF Single fuse (120, 277, 347V)	
	100M²	240 ⁶		DF Double fuse (208, 240, 480V)	
	150M	277		EC Emergency circuit ⁹	
	175M¹	347		QRS Quartz restrike system ⁹	
	<u>Ceramic metal halide</u>	480 ⁶	 SCWA Super CWA pulse start ballast	QRSTD Quartz restrike system with time delay ^{8,9}	
	70MHC ^{2,3}	TB⁷		PE Photoelectric cell, button type¹⁰	
	100MHC ¹	23050HZ ⁸		CSA Listed and labeled to comply with Canadian Standards	
	150MHC			NOM NOM Certified ⁸	
	<u>High pressure sodium²</u>		NOTE: For 175M shipments to U.S. territories, SCWA must be specified to comply with EISA.	INTL Available for 175M probe start shipping outside the U.S.	
	35S ⁴			<u>Shipped separately¹¹</u>	
	50S			FS Full shield	
	70S			WG Wire guard	
	100S				
	150S				
	<u>Low pressure sodium²</u>				
	35L ⁵				
					<u>Finish¹²</u>
					(blank) Dark bronze
					DBL Black
					DMB Medium bronze
					DWH White
					DNA Natural aluminum
					DSS Sandstone
					CR Enhanced corrosion-resistant
					CRT Non-stick protective coating ¹³

Accessories

Order as separate catalog number.

RK1 PEB1	Photoelectric control kit (120V)
RK1 PEB1 CSA	Photoelectric control kit (120V only)
RK1 PEB2	Photoelectric control kit (208, 240, 277V)
RK1 TWPFA FS	Field installable full shield for cutoff ¹²
TWPWG	Wireguard

NOTES:

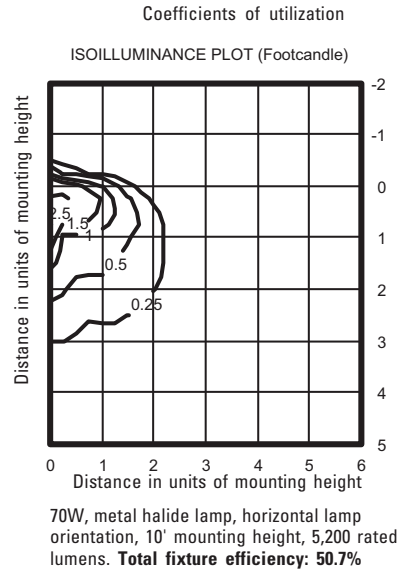
- These wattages do not comply with California Title 20 regulations.
- Not available with SCWA.
- Not available with 480V.
- 120V only.
- Operates 55V lamp. Not available with 480V.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V). In Canada 120, 277, 347V; ships as 120/347.

- Consult factory for available wattages.
- Maximum allowable wattage lamp included.
- Not available with 347V or 480V.
- May be ordered as an accessory.
- Please request for additional color options.
- Black finish (coating applied to housing only).
- Must be specified.
- Must specify finish.

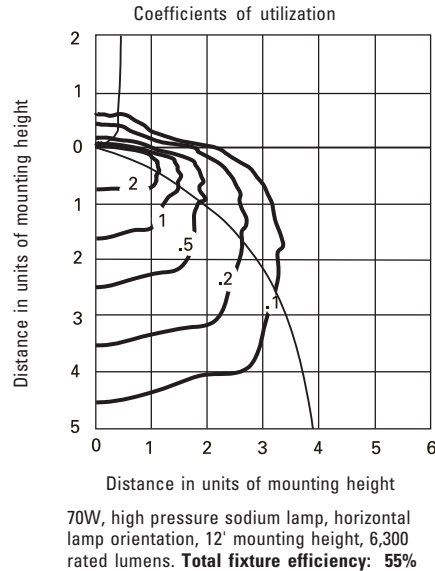
TWP Metal Halide, High Pressure Sodium, Low Pressure Sodium Wall Packs

Coefficient of Utilization _____
Initial Footcandles _____

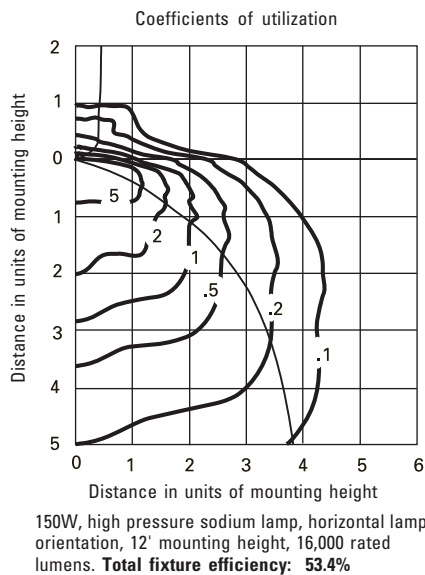
TWP 70M Test Report no. 97021601



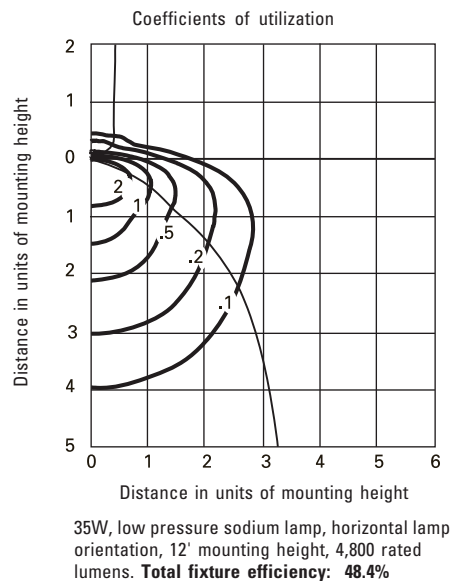
TWP 70S Test Report no. 94121702



TWP 150S Test Report no. 94121503



TWP 35LPS Test Report no. 94121903



Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

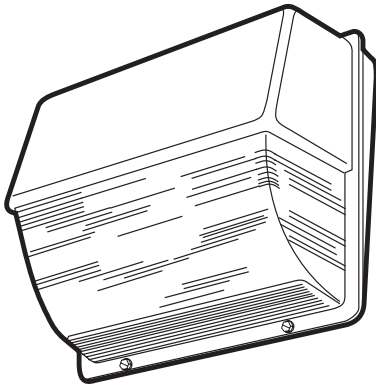
10'	12'
10 ft. = .44	10 ft. = 1.44
15 ft. = .25	15 ft. = .64
20 ft. = .16	20 ft. = .36
	25 ft. = .23

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

INSTALLATION INSTRUCTIONS

Upon receipt of fixture and accessories (packed separately) thoroughly inspect for any freight damage which should be brought to the attention of the delivery carrier. Compare the catalog description listed on the packing slip with the fixture label on the inside of the housing to be sure you have received the correct merchandise.

TWP Wall-Pak



IMPORTANT SAFETY INSTRUCTIONS

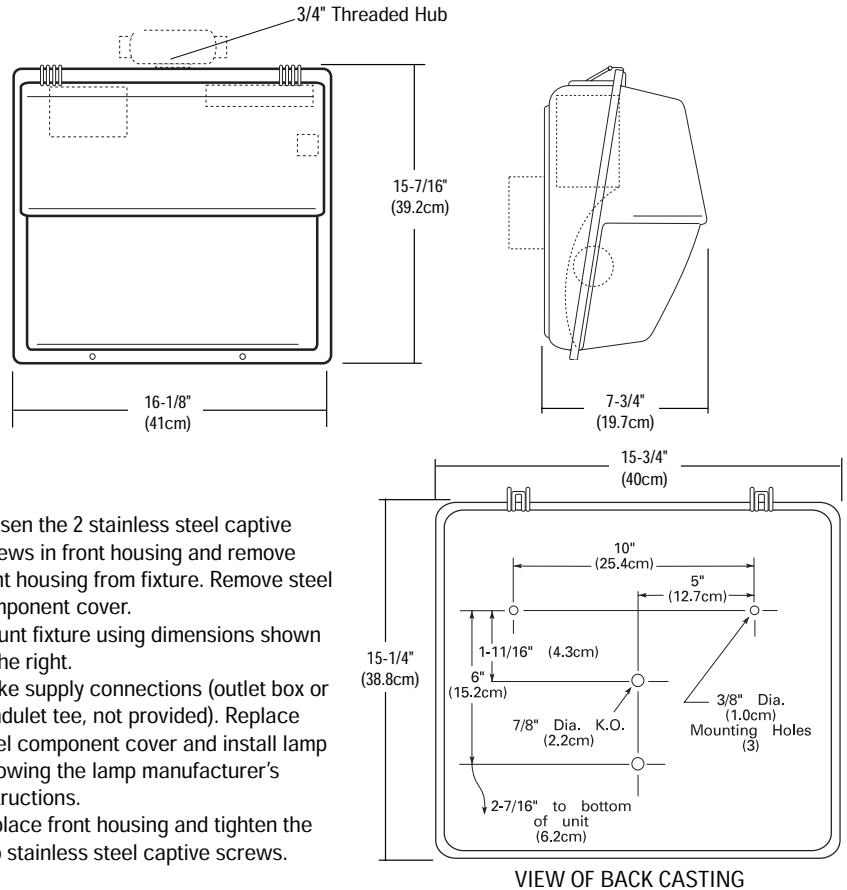
(For Your Protection, Read Carefully)

- This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances.
- Proper grounding is required to ensure personal safety.
- Use approved connectors for all electrical connections.
- ALL work should be done by a qualified electrician.
- **WARNING:** NEVER disconnect any component while power supply is engaged.

Prior to Installation

Read carefully before installing light fixtures. If you do not understand these instructions, please contact your local distributor before installing.

INSTALLATION



1. Loosen the 2 stainless steel captive screws in front housing and remove front housing from fixture. Remove steel component cover.
2. Mount fixture using dimensions shown to the right.
3. Make supply connections (outlet box or conduit tee, not provided). Replace steel component cover and install lamp following the lamp manufacturer's instructions.
4. Replace front housing and tighten the two stainless steel captive screws.

LAMP INSTALLATION: Prior to installing the lamp in the fixture, check to be sure the lamp is of proper type and wattage. Screw the lamp securely into the socket, back the lamp out one to two turns, then screw the lamp back in, making sure it is secure. This properly seats the lamp in the socket.

WARNING: NEVER perform maintenance or cleaning while fixture is energized.

CAUTION: Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

MAINTENANCE: Your fixture is designed for years of trouble-free operation. For optimum performance, periodically clean reflector and lens with a nonabrasive cleaner.

TROUBLESHOOTING: If this fixture fails to operate properly, check to make sure:

- The correct lamp is properly installed.
- The fixture is wired correctly.
- The lamp is not faulty.
- The fixture is grounded correctly.
- The line voltage at the fixture is correct.
- The photocell is of proper voltage and wattage.
- There is no reflected light back into the photocell causing the fixture to turn off.

If all these variables have been checked and the fixture still does not operate properly, contact your local Lighting distributor.