

# SOLID STATE AREA LIGHTING

## TORNADO SERIES

### SPECIFICATIONS

#### HOUSING

Durable corrosion resistant low copper cast aluminum alloy A356 (<0.2% Cu) having a minimum wall thickness of 1/4". Body secures to Mounting Stanchion by means of a cast aluminum wedge lock secured by a single stainless steel bolt and accessed through the access panel.

#### TOP COVER

Durable corrosion resistant low copper cast aluminum alloy A356 (<0.2% Cu) having a minimum wall thickness of 1/4". Top is crowned for water run off, and retainer screw cavities are open for drainage. Top is fully gasketed and secured by (4) stainless steel allen screws.

#### ACCESS PANEL(S)

Durable corrosion resistant low copper cast aluminum alloy A356 (<0.2% Cu) having a minimum wall thickness of 1/4". Panel(s) is fully gasketed and retained by (2) stainless steel allen screws located below the lens.

#### LENS

Tempered Micro-Prism glass, fully gasketed, and retained by aluminum clips.

#### REFLECTOR ASSEMBLY

Fabricated from pre-finished specular aluminum and includes a 4KV medium base or G12 socket for HID lamp modes. Fluorescent socket is universal for 26W, 32W, or 42W PL-T lamps. GX24-q5 base supplied for 57W PL-T lamp. Reflector assembly connects to ballast assembly via quick-disconnect plugs.

#### MOUNTING STANCHION

3 1/2" SCH40 steel pipe (below grade) welded to 3" SCH 40 steel pipe (above grade). (4) sections of reinforcing bar welded to lower pipe for tie-in to paving and footing steel by others. Entire assembly is hot dipped galvanized.

#### ELECTRICAL COMPONENTS

All electrical components are UL recognized. Electronic MH ballasts are high power factor, -20F starting, 120-277V, 50Hz/60Hz. 347V option utilizes a step down transformer to the electronic ballast. Magnetic MH ballasts are high power factor, -20F starting, multi-tap 120-277V, 60Hz. All HPS ballasts are core and coil, reactor-style, high power factor, -40F starting, 120V. Compact Fluorescent ballast is electronic, 120-277V, 50Hz/60Hz. Electrical components are mounted to a unitized ballast tray inside the body, and factory installed. Ballast assembly connects to reflector assembly via quick disconnects. (Consult factory for LED electrical specifications).

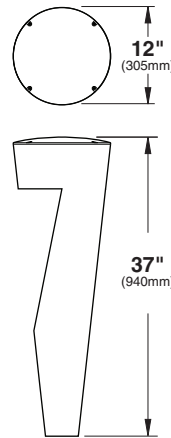
Note: Consult factory for CFL battery back-up specifications.

#### FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

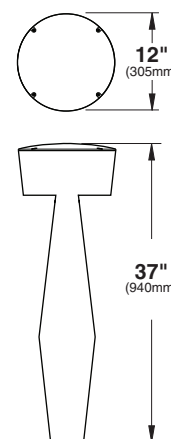
PROJECT NAME: \_\_\_\_\_

FIXTURE TYPE: \_\_\_\_\_



**TNA\***

\* SHOWN WITH RIBBED ACCESS PANEL -RAP PATENT PENDING



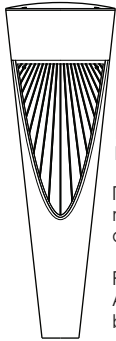
**TNS**

PATENT PENDING

# TORNADO SERIES

## S P E C I F I C A T I O N S

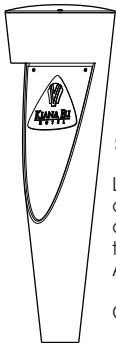
### PANEL OPTIONS



**RAP**  
Raised Access Panel

Raised ribs in radiating pattern on Access Panel.

For TNS, both Access Panels will be raised.

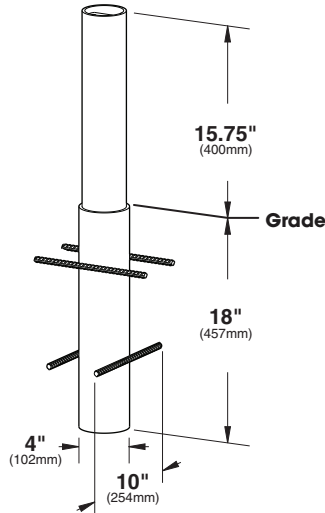


**Signature Medallion**

Logos, medallions and other symbols can be attached to the standard smooth Access Panel.

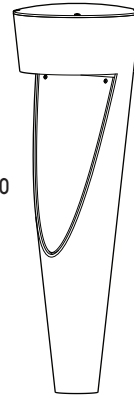
Consult factory.

### MOUNTING STANCHION

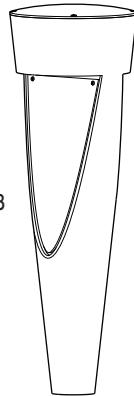


3/2" SCH40 STEEL PIPE (below grade) WELDED TO 3" SCH 40 STEEL PIPE (above grade). (4) SECTIONS OF REINFORCING BAR WELDED TO LOWER PIPE FOR TIE-IN TO PAVING AND FOOTING STEEL BY OTHERS. ENTIRE ASSEMBLY IS HOT DIPPED GALVANIZED.



**TNA** E.P.A. = 1.30  
Available in:  
100 Watt Max.



**TNS** E.P.A. = 1.18  
Available in:  
100 Watt Max.



## O R D E R I N G I N F O R M A T I O N

LUMINAIRE	OPTICS	PULSE START METAL HALIDE	HIGH PRESSURE SODIUM	COMPACT FLUORESCENT	FINISH	OPTIONS
LUMINAIRE	OPTICS	ELECTRICAL MODE			FINISH	OPTIONS
<p>LUMINAIRE</p> <p><input type="checkbox"/> TNA</p> <p><input type="checkbox"/> TNS</p>	<p>DISTRIBUTION TYPE</p> <p><b>TNA</b></p> <p><input type="checkbox"/> ASY ..... </p> <p><b>TNS</b></p> <p><input type="checkbox"/> SYM ..... </p>	<p>PULSE START METAL HALIDE<sup>1</sup></p> <p><input type="checkbox"/> 39PSMH120-T6</p> <p><input type="checkbox"/> 39PSMH208-T6</p> <p><input type="checkbox"/> 39PSMH240-T6</p> <p><input type="checkbox"/> 39PSMH277-T6</p> <p><input type="checkbox"/> 50PSMH120</p> <p><input type="checkbox"/> 50PSMH208</p> <p><input type="checkbox"/> 50PSMH240</p> <p><input type="checkbox"/> 50PSMH277</p> <p><input type="checkbox"/> 70PSMH120</p> <p><input type="checkbox"/> 70PSMH208</p> <p><input type="checkbox"/> 70PSMH240</p> <p><input type="checkbox"/> 70PSMH277</p> <p><input type="checkbox"/> 70PSMH347-M<sup>2</sup></p> <p><input type="checkbox"/> 70PSMH120-T6</p> <p><input type="checkbox"/> 70PSMH208-T6</p> <p><input type="checkbox"/> 70PSMH240-T6</p> <p><input type="checkbox"/> 70PSMH277-T6</p> <p><input type="checkbox"/> 100PSMH120</p> <p><input type="checkbox"/> 100PSMH208</p> <p><input type="checkbox"/> 100PSMH240</p> <p><input type="checkbox"/> 100PSMH277</p>	<p>HIGH PRESSURE SODIUM</p> <p><input type="checkbox"/> 50HPS120</p> <p><input type="checkbox"/> 70HPS120</p> <p><input type="checkbox"/> 100HPS120</p>	<p>COMPACT FLUORESCENT<sup>3</sup></p> <p><input type="checkbox"/> 42PL120</p> <p><input type="checkbox"/> 42PL208</p> <p><input type="checkbox"/> 42PL240</p> <p><input type="checkbox"/> 42PL277</p> <p><input type="checkbox"/> 57PL120</p> <p><input type="checkbox"/> 57PL208</p> <p><input type="checkbox"/> 57PL240</p> <p><input type="checkbox"/> 57PL277</p>	<p>STANDARD TEXTURED FINISH</p> <p><input type="checkbox"/> BLACK RAL-9005-T</p> <p><input type="checkbox"/> WHITE RAL-9003-T</p> <p><input type="checkbox"/> GREY RAL-7004-T</p> <p><input type="checkbox"/> DARK BRONZE RAL-8019-T</p> <p><input type="checkbox"/> GREEN RAL-6005-T</p> <p>FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9500)</p> <p>SEE USALTG.COM FOR ADDITIONAL COLORS</p>	<p><input type="checkbox"/> RAISED ACCESS - PANEL ..... RAP</p>

Notes:  
1. Metal Halide magnetic ballasts available. Add **-M** designation to the above catalog number.  
**EXAMPLE: 70PSMH277-M**  
2. 347V option available only for 70MH magnetic ballast due to size restrictions.  
3. 42W, 32W and 26W lamps use the same ballast.