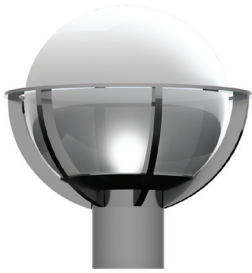


# Phi™ 1.0 TLPH10

Catalog Number:

Type:

Project:

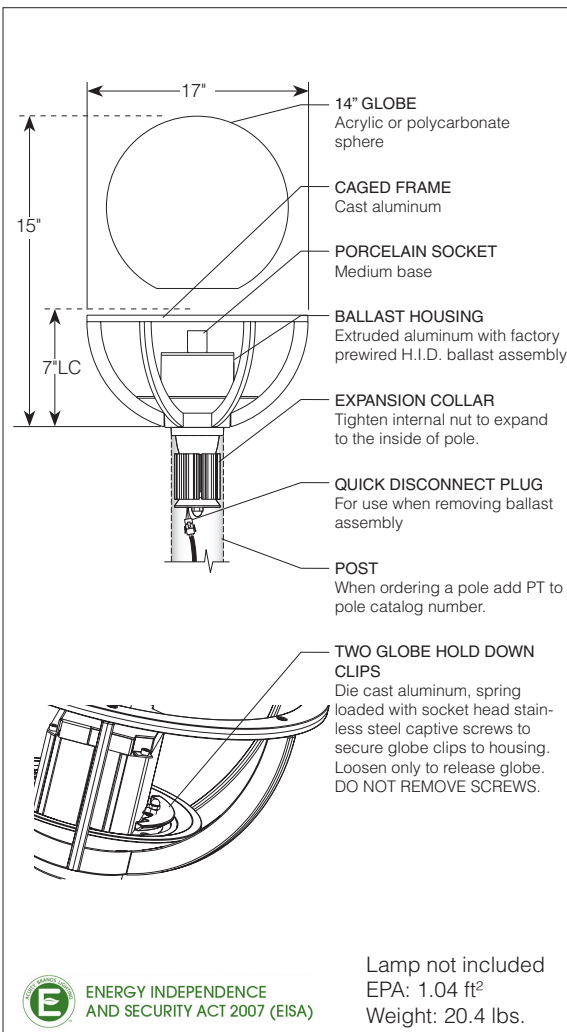


Series	Lamp Type	Lens	Voltage	Mounting Method	Options	Finish
--------	-----------	------	---------	-----------------	---------	--------

**Sample Catalog no:**

Series	Lamp type	Lens	Voltage	Mounting Method	Options	Finish
TLPH10	50M MED 70M MED 100M MED 32TRT 42TRT	AWS Acrylic White PWS Polycarbonate White	120 208 240 277 347 480	PT4 PT5	HS House Side Shield SF Single Fusing DF Double Fusing	DBL Black DDB Dark Bronze DNA Natural Aluminum DWH White CM Custom Match CS Custom Select RAL colors

Note: See following pages for details.



**Construction:**

The luminaire is a 14" diameter sphere globe with a extruded aluminum ballast housing, die-cast aluminum base, and integral cast aluminum caged frame. The internal mounting expansion collar is extruded aluminum. All hardware is tamper resistant stainless steel.

**FINISH:** The luminaire has a powder coat finish utilizing a premium TGIC polyester powder. The finish is a three-stage process which consists of drying, powder application and curing. Before coating, the parts are treated with a five-stage pretreatment process, consisting of a heated alkaline cleaner, rinse, phosphate coating, rinse and sealant.

**Optics:**

The sphere globe is white smooth in acrylic or polycarbonate. The luminaire provides a symmetrical distribution. An optional house side shield is available.

**Electrical:**

The luminaire is furnished with an HID or compact fluorescent ballast and socket assembly. HID ballasts are high power factor core and coil. Compact fluorescent ballasts are high power factor and high frequency electronic type. HID sockets are 4KV pulse rated porcelain, medium base, with a copper alloy nickel-plated screw shell and center contact. Compact fluorescent sockets are white thermoplastic, GX24q-4 base. Lamp is not included.

**Installation:**

The luminaire is pole top mounted on a 4" or 5" pole by means of an internal expansion collar. The collar expands to fit inside the pole top by tightening an internal nut. No visible mounting hardware is required. Collar can accommodate a pole I.D. of 3.6"-4.0" (PT4) or 4.6"-4.9" (PT5). For compatible poles, PT must be designated under the Mounting Method for the Open Top option. The globe is attached using 2 die-cast spring-loaded hold-down clips. The ballast assembly is furnished with a quick disconnect plug and mounted on a removable ballast plate.

**Listings:**

The luminaire is tested to and meets all NRTL's outdoor requirement standards, wet location use, through the fully accredited and approved CSA laboratory.

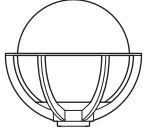
WARNING: Tersen reserves the right to modify specifications without notice.




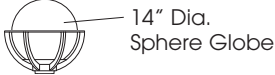
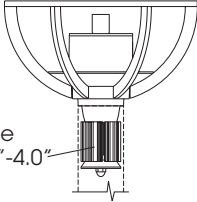
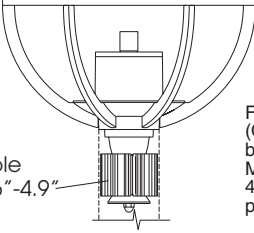
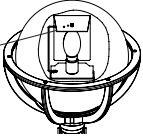




Lighting

TLPH10 page 1 of 3  
Rev. 07/09

# Phi™ 1.0 TLPH10

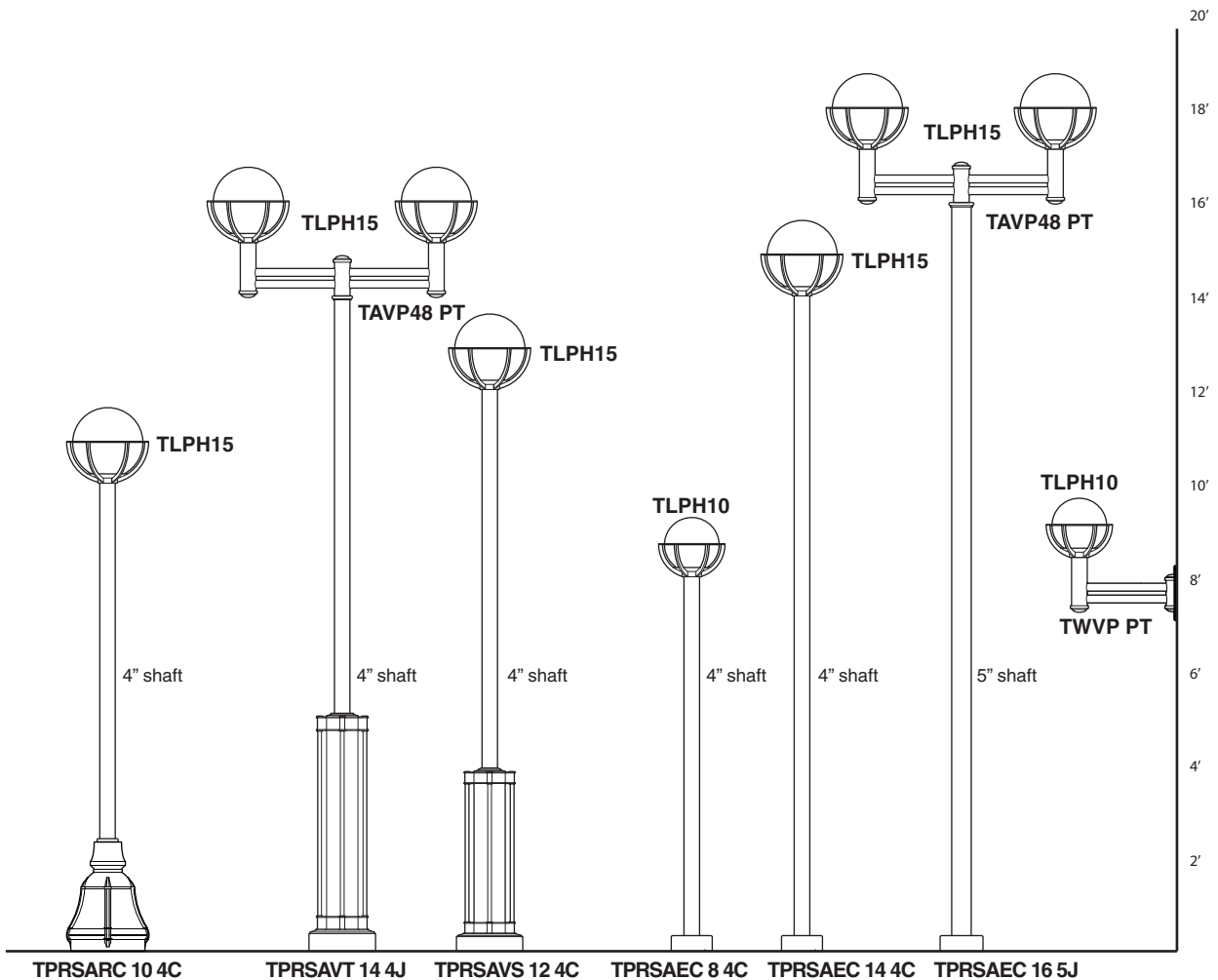


## ORDERING GUIDE

<b>Series</b>	<input type="checkbox"/> <b>TLPH10</b> <u>Tersen Luminaires - Phi 1.0</u> 
<b>Lamp type</b>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><u>Metal Halide</u></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input type="checkbox"/> <b>50M MED</b>  Ballast: HX-HPF  Lamp: E17  Base: Medium </div> <div style="width: 30%;"> <input type="checkbox"/> <b>70M MED</b>  Ballast: HX-HPF  Lamp: E17  Base: Medium </div> <div style="width: 30%;"> <input type="checkbox"/> <b>100M MED</b>  Ballast: HX-HPF  Lamp: E17  Base: Medium </div> </div> </div> <div style="width: 48%;"> <p><u>Compact Fluorescent (triple-tube)</u></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input type="checkbox"/> <b>32TRT</b>  Ballast: Electronic, HPF  Lamp: T4  Base: GX24Q-3 </div> <div style="width: 30%;"> <input type="checkbox"/> <b>42TRT</b>  Ballast: Electronic, HPF  Lamp: T4  Base: GX24Q-4 </div> </div> </div> </div> <p>Lamp not included, protected lamp required</p>
<b>Lens</b>	<input type="checkbox"/> <b>AWS</b> <input type="checkbox"/> <b>PWS</b> Acrylic White Globe    Polycarbonate White Globe 
<b>Voltage</b>	<input type="checkbox"/> <b>120</b> <input type="checkbox"/> <b>208<sup>2</sup></b> <input type="checkbox"/> <b>240</b> <input type="checkbox"/> <b>277</b> <input type="checkbox"/> <b>347</b> <input type="checkbox"/> <b>480</b> 120 volt    208 volt    240 volt    277 volt    347 volt    480 volt  Multi-tap ballast (120, 208, 240, 277v). 2. Consult factory for 208 volt availability in Canada.
<b>Mounting Method</b>	<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <input type="checkbox"/> <b>PT4</b>  Fitter for pole with I.D. 3.6"-4.0"   </div> <div style="width: 45%;"> <input type="checkbox"/> <b>PT5</b>  Fitter for pole with I.D. 4.6"-4.9"   </div> </div> <p>For compatible poles, PT (Open Top option) must be designated under the Mounting Method and either 4C or 5C Shaft Type in the pole ordering tree.</p>
<b>Options</b>	<input type="checkbox"/> <b>HS</b> <input type="checkbox"/> <b>SF</b> <input type="checkbox"/> <b>DF</b> House Side Shield    Single Fusing    Double Fusing 
<b>Finish</b>	<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;"> <input type="checkbox"/> <b>DBL</b>  Black   </div> <div style="width: 15%;"> <input type="checkbox"/> <b>DBB</b>  Dark Bronze   </div> <div style="width: 15%;"> <input type="checkbox"/> <b>DNA</b>  Natural Aluminum   </div> <div style="width: 15%;"> <input type="checkbox"/> <b>DWH</b>  White   </div> <div style="width: 15%;"> <input type="checkbox"/> <b>CM</b>  Custom Match  <p>This choice requires that a custom powder be manufactured to match a specific color chip provided by the specifier.</p> </div> <div style="width: 15%;"> <input type="checkbox"/> <b>CS</b>  Custom Select  <p>Tersen offers custom selected RAL powder coat colors. See chart (form 794.3) for cataloged optional colors or contact the factory.</p> </div> </div>

# Phi™ 1.0 TLPH10

## Recommended Product Family Luminaires, Poles, Arm and Wall Mount



**TPRSARC 10 4C**

POLE: Round straight pole in aluminum with cast aluminum RC base.

**TPRSAVT 14 4J**

POLE: Round straight pole in aluminum with aluminum VS and VT base.

**TPRSAVS 12 4C**

**TPRSAEC 8 4C**

POLE: Round straight pole in aluminum or steel with cast aluminum EC base cover.

**TPRSAEC 14 4C**

**TPRSAEC 16 5J**

ARM: Aluminum arm with 48" between light centers.

WALL MOUNT: Aluminum wall mount, with 22.5" from wall to light center.

For detailed product specifications for Poles and Arm/Wall Mount see the Tersen website.