FEATURES

- High output luminaire, up to 40,000 raw lumens.
- Available with two T5/T5HO lamps in each globe assembly.
- Fluorescent system provides energy savings up to 50% when compared to HID.
- Multi voltage electronic ballast resistant to brownouts or voltage and frequency fluctuations.
- Lowest temperature rating available, T6.
- Provided with 4100ºK, low mercury TPLC compliant lamps.
- Impact resistant borosilicate glass tubes.
- Adjustable mounting brackets allow a 110º range of aiming positions.
- Integral safety cable mounting points.
- Spring loaded lamp holders for maximum vibration resistance.
- Low profile design affords maximum mounting versatility.
- Optional, self contained emergency battery backup ballasts.
- UL listed for paint spray booth applications.
- Optional long life T5 lamps available upon request (consult factory).

APPLICATIONS

- Class I Division 1 explosive atmospheres
- High, mid & low bay
- Paint booths
- Paint & formulation facilities
- Aircraft fueling & maintenance areas
- Oil and gas exploration and production
- Fuel dispensing facilities
- Marine and watertight requirements
- Petrochemical facilities
- Dusttight requirements

APPROVALS

- Class I Division 1 Groups C & D
- Class I Division 2 Groups A, B, C & D
- Class I Zone 1 - Groups IIA & IIB
- Class II Divisions 1 & 2 - Groups E, F & G
- Class III
- Type 3R Enclosure
- Conforms to IP66
- Marine Outside Type Saltwater
- Paint Spray Booth Approved
- ABS
- Up to 55ºC Rated

STANDARDS

- UL 844 - Hazardous Locations
- UL 1598A - Luminaires for Marine Vessels
- UL 1203 - Electrical Equipment for Hazardous Locations
- CSA -Class 3428 83
- CSA -Class 3428 03

TECHNICAL SPECIFICATIONS

HOUSING

Cast copper free aluminum.

HARDWARE

Stainless steel.

REFLECTOR

Type 6065 aluminum with an electrostatically applied white polyester powder coat finish. Minimum 90% reflectance.

GLOBE ASSEMBLY

High impact resistant tempered borosilicate glass.

LAMP HOLDERS

Spring loaded for T5, T5HO, T8 & T12 lamp types. Engineered plastics, no urea materials.

ENTRIES

Three 1/2” NPT outlets, two plugged.

MOUNTING

Two adjustable aluminum surface mount brackets. Optional pendant bracket mount available.

GUARD

Optional, stainless steel.

LAMP TYPES

See ORDERING REFERENCES. Lamps provided.

BALLAST

120 to 277 volt 50/60 Hz electronic, optional 347v and 480v.

EMERGENCY BATTERY BACKUP BALLAST

Optional, self contained 90 minute minimum for all lamp types. 120 minutes minimum for F32T8 one lamp. Starting temperature 32ºF/0ºC.
1. **Series**
   - ZP

2. **Length (nominal)**
   - 2 - 2 foot
   - 4 - 4 foot

3. **Number of Lamps**
   - 2 - 2 lamps, 2 globe assemblies
   - 4 - 4 lamps
     - 2 globe assemblies for Lamp Types 2, 5 & 6
     - 4 globe assemblies for Lamp Types 1 & 8
   - 8 - 8 lamps, 4 globe assemblies for Lamp Types 2 & 5

4. **Lamp Types**
   - 1 - 17/32 - 2 ft F17 or 4 ft F32 - T8 Bi-Pin
   - 2 - FT40 - 2 ft FT40 - CF 2G11
   - 5 - 24/54 - 2 ft F24 or 4 ft F54 - T5HO Mini Bi-Pin
   - 6 - 14/28 - 2 ft F14 or 4 ft F28 - T5 Mini Bi-Pin
   - 8 - 35/60 - 2 ft F24 or 4 ft F48 - T12HO RDC

5. **Voltage / Frequency**
   - 7 - 120 to 277 Volt 50/60 Hz
   - 6 - 347 Volt 60 Hz, consult factory for availability
   - 9 - 480 Volt 60 Hz, consult factory for availability

6. **Mounting Style**
   - 0 - Low profile, three position pendant mount.
   - 1 - Pendant mount ½” NPT hub added to power end.
     - ZP1095MTK not included. ZP1050 pendant bracket included.
     - For 2 globe models only.
   - 3 - Surface/Ceiling mount standard design.
     - ZP1093MTK brackets included. Drop Bracket mounting available separately.

   See MOUNTING OPTIONS for details.

7. **Special Options**
   - EM1* - Emergency Battery Backup Ballast, 1 lamp, 277v max
   - EM2** - Emergency Battery Backup Ballast, 1 lamp, 277v max
   - EM3** - Emergency Battery Backup Ballast, high lumen, 277v max
   - LL - Long Life Lamps (F54T5HO only)
   - PS - Polycarbonate Shield
   - WG - Stainless Steel Wire Guard

   *Lamp Types 5 & 6.
   **Not available for Lamp Type 5.

   Notes:
   1. See ACCESSORIES for additional items.
   2. Consult factory for options not listed.

---

### SPARE PARTS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX3507</td>
<td>LAMP, 35w, F24T12HO</td>
</tr>
<tr>
<td>FX3505</td>
<td>LAMP, 60w, F48T12HO</td>
</tr>
<tr>
<td>004-1020</td>
<td>GASKET, ballast box</td>
</tr>
<tr>
<td>004-4300</td>
<td>REFLECTOR, left or right side, 4 ft models</td>
</tr>
<tr>
<td>004-2300</td>
<td>REFLECTOR, left or right side, 2 ft models</td>
</tr>
<tr>
<td>004-1030</td>
<td>GASKET, re-lamp end</td>
</tr>
<tr>
<td>104-1053-2</td>
<td>BRACKETS, (2 ea) re-lamp end</td>
</tr>
<tr>
<td>104-1053</td>
<td>BRACKET, blind end</td>
</tr>
<tr>
<td>104-1050</td>
<td>BRACKET, pendant mounting, blind end</td>
</tr>
<tr>
<td>758-5402</td>
<td>LAMP HOLDER, HO, spring loaded with 20” leads</td>
</tr>
<tr>
<td>754-5422</td>
<td>LAMP HOLDER, RS, spring loaded with 20” leads</td>
</tr>
<tr>
<td>758-5406</td>
<td>LAMP HOLDER, HO, spring loaded with 72” leads</td>
</tr>
<tr>
<td>754-5426</td>
<td>LAMP HOLDER, RS, spring loaded with 72” leads</td>
</tr>
<tr>
<td>754-0005</td>
<td>LAMP HOLDER, T5HO fixed &amp; spring set</td>
</tr>
<tr>
<td>004-3000</td>
<td>CLIP ASSEMBLY, to secure wire-way, all models</td>
</tr>
<tr>
<td>36053</td>
<td>TUBE, glass, 4 ft models</td>
</tr>
<tr>
<td>12197</td>
<td>TUBE, glass, 2 ft models</td>
</tr>
</tbody>
</table>

---

PAULUHN XPF MAX PERFORMER/AL
### TEMPERATURE CODES & APPROVALS

<table>
<thead>
<tr>
<th>Lamp Wattage</th>
<th>Ballast/Socket Type</th>
<th>ANSI Lamp Code</th>
<th>Class I T Code</th>
<th>Class I Division 1</th>
<th>Class I Division 2</th>
<th>Class II Divisions 1 &amp; 2</th>
<th>Class III &amp; III T Code</th>
<th>Starting Temp</th>
<th>Maximum Ambient*</th>
<th>Supply Wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/4 X 17</td>
<td>T8 Bi-Pin G13</td>
<td>F17-T8</td>
<td>T6</td>
<td>C &amp; D</td>
<td>A, B, C &amp; D</td>
<td>E, F &amp; G</td>
<td>Yes</td>
<td>T3C</td>
<td>0°F / -18°C</td>
<td>55°C</td>
</tr>
<tr>
<td>2/4 X 32</td>
<td>T8 Bi-Pin G13</td>
<td>F32-T8</td>
<td>T6</td>
<td>C &amp; D</td>
<td>A, B, C &amp; D</td>
<td>E, F &amp; G</td>
<td>Yes</td>
<td>T3C</td>
<td>-20°F / -29°C</td>
<td>55°C</td>
</tr>
<tr>
<td>2/4 X 40</td>
<td>FT40 2G11</td>
<td>FT40-CF</td>
<td>T6</td>
<td>C &amp; D</td>
<td>A, B, C &amp; D</td>
<td>E, F &amp; G</td>
<td>Yes</td>
<td>T3C</td>
<td>0°F / -18°C</td>
<td>55°C</td>
</tr>
<tr>
<td>2/4 X 35/60</td>
<td>T12HO RDC R17d</td>
<td>F24/F48-T12H0</td>
<td>T6</td>
<td>C &amp; D</td>
<td>A, B, C &amp; D</td>
<td>E, F &amp; G</td>
<td>Yes</td>
<td>T3C</td>
<td>-20°F / -29°C</td>
<td>55°C</td>
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<tr>
<td>2 X 14/28</td>
<td>T5 Mini Bi-Pin G5</td>
<td>F14/F28-T5</td>
<td>T6</td>
<td>C &amp; D</td>
<td>A, B, C &amp; D</td>
<td>E, F &amp; G</td>
<td>Yes</td>
<td>T3C</td>
<td>0°F / -18°C</td>
<td>55°C</td>
</tr>
<tr>
<td>2 X 24/54</td>
<td>T5HO Mini Bi-Pin G5</td>
<td>F24/F54-T5HO</td>
<td>T6</td>
<td>C &amp; D</td>
<td>A, B, C &amp; D</td>
<td>E, F &amp; G</td>
<td>Yes</td>
<td>T3C</td>
<td>-20°F / -29°C</td>
<td>55°C</td>
</tr>
<tr>
<td>4 X 14/28</td>
<td>T5 Mini Bi-Pin G5</td>
<td>F14/F28-T5</td>
<td>T6</td>
<td>C &amp; D</td>
<td>A, B, C &amp; D</td>
<td>E, F &amp; G</td>
<td>Yes</td>
<td>T3C</td>
<td>0°F / -18°C</td>
<td>55°C</td>
</tr>
<tr>
<td>4 X 24/54</td>
<td>T5HO Mini Bi-Pin G5</td>
<td>F24/F54-T5HO</td>
<td>T5</td>
<td>C &amp; D</td>
<td>A, B, C &amp; D</td>
<td>E, F &amp; G</td>
<td>Yes</td>
<td>T3C</td>
<td>-20°F / -29°C</td>
<td>40°C</td>
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### DIMENSIONS

<table>
<thead>
<tr>
<th>Nominal Length</th>
<th>Dimensions in Inches / Centimeters</th>
<th>Carton L X W X D inches</th>
<th>Nominal Weight</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>2 Foot, 2 Tube</td>
<td>27.5 / 69.9</td>
<td>11.3 / 28.6</td>
<td>7.3 / 18.6</td>
</tr>
<tr>
<td>4 Foot, 2 Tube</td>
<td>51.5 / 130.8</td>
<td>11.3 / 28.6</td>
<td>7.3 / 18.6</td>
</tr>
<tr>
<td>4 Foot, 4 Tube</td>
<td>51.5 / 130.8</td>
<td>23.5 / 59.7</td>
<td>7.3 / 18.6</td>
</tr>
</tbody>
</table>
**ZP1093MTK**  
Surface/Ceiling mount kit.  
2 brackets. (Included in mounting style “3”)

**ZP1095MTK**  
Pendant mount kit.  
1 - ½” union, saddle strap, Class I, Div.1 box & cover with ½” NPT hubs. (For use with mounting style “1”)

**ZP1099MTK**  
Drop bracket mounting kit.  
2 drop brackets & support cable. 2 kits required for 4 lamp model. (For use with mounting style “3” only.)

**Mounting Options**

- **Mounting Style “0”**  
  Low profile, 3 position pendant mount.

- **Mounting Style “1”**  
  Pendant mount.

- **Mounting Style “3”**  
  Surface/ceiling mount.
**ACCESSORIES**

**BEAM CLAMP KITS**

**BC2K**
2 Beam clamp kit.
For use with Ceiling/Surface mount “3”.
(2 kits required for 4 tube model).

**ZP-BCKT**
Includes BC2K and SC30H

**ZP-SMKT**
Includes BC2K, SC30H and SM2K

**ZP-DPKT**
Includes BC2K, SC30H and ZPI099MTK.

**SC30H**
48" Safety Cable.
Stainless steel with snap hook.

**SM2K**
Consists of 2 FX7004A Shock mount kit.
For use with all mounting kits.

**ZP-WG4**
Stainless steel wire guard (4 ft)
For 2 ft model change “4” to “2”
(2 required for 4 tube model).

**ZP-PS4**
Polycarbonate shield (4 ft)
For 2 ft model change “4” to “2”.
(2 required for 4 tube model).