Introducing

Pro Series PLL Linear LED for harsh industrial use

Introduction
The Champ Pro Series PLL Linear LED by Eaton's Crouse-Hinds is specifically designed to replace fluorescent T12, T8 and T5HO lighting in heavy and harsh industrial applications. The rugged and durable design features the industry’s most versatile and flexible mounting options. The PLL is the ideal solution for high vibration, impact and hose down applications.

Applications:
Ideal for a variety of non-hazardous applications such as mining, food processing, marine, wastewater treatment, heavy manufacturing and general wash down areas.

Key features & benefits:
• Industry-leading efficacy: up to 130 LPW
• -40°C to +65°C ambient operating temperature
• Ultra slim (less than 3” height) low profile fixture
• Versatile ceiling/swivel, wall, flush, pole and pendant mounting options
• Standard wide and optional narrow optics for uniform illumination
• Four points of secondary retention and through feed wiring options
• Ability to withstand 2,000 psi of hose pressure from a 5 foot distance and 5G, 3-axis vibration
• Surge protection options (up to 10kV)

Electrical specifications:

<table>
<thead>
<tr>
<th></th>
<th>2 ft.</th>
<th>4 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>100-277 VAC/108-250 VDC; 347-480 VAC</td>
<td></td>
</tr>
<tr>
<td>Amperage @ 120VAC</td>
<td>0.24</td>
<td>0.46</td>
</tr>
<tr>
<td>Wattage @ 120 VAC</td>
<td>29W typical</td>
<td>55W typical</td>
</tr>
<tr>
<td>Lumen output</td>
<td>3,600</td>
<td>7,100</td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Power factor @ 100 VAC</td>
<td>0.90</td>
<td>0.95</td>
</tr>
<tr>
<td>THD</td>
<td>&lt;20%</td>
<td>&lt;20%</td>
</tr>
</tbody>
</table>

*Preliminary typical values; data subject to change.

Certifications:
NEC/CEC standards:
• Type 4X
• IP66
• Wet Locations
UL standards:
• UL1598 Luminaire
• UL1598A Luminaire for Installation on Marine Vessels
CSA standard:
• C22.2 No. 250
Additional standards:
• ABS design assessed – pending

Mounting:
Versatile mounting options:
• Back mount (fixed/ceiling)
• Back mount (swivel/ceiling)
• Offset ceiling mount
• Offset wall mount
• Pole mount
• Pendant mount – pending

Quick & easy installation:
• Easy access to drivers and wiring
• Plug ’N Play LynxPOWER™ cord set and receptacle for daisy chaining multiple fixtures and ease of install (optional)
• Pre-wired cable with Type P cable and ADE 1F gland for quicker field installation (optional)

Materials:
Housing:
• Copper-free aluminum
• Optional Corro-free™ epoxy powder coat
Lens:
• Glass or polycarbonate
• Diffused glass or polycarbonate

Crouse-Hinds by Eaton
## Ordering information

### Part number example

**PLL4/UNV1 S903 LP TF P**

Champ Pro series linear LED, cool white, 4 foot, ½" hubs, 80° narrow light pattern, 100-277 VAC driver, polycarbonate lens, LynxPOWER receptacles, through feed hubs, painted

### Accessories (ordered separately)

<table>
<thead>
<tr>
<th>Part number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLL4/UNV1 S903 LP TF P</td>
<td>Champ Pro series linear LED luminaire</td>
</tr>
<tr>
<td>PLL4/UNV34 347-480 VAC</td>
<td></td>
</tr>
</tbody>
</table>

### Lens Options

- **BLANK** - Glass
- **S903** - Polycarbonate
- **S891** - Diffused glass
- **S903D** - Diffused polycarbonate

### Series

- **PLL** - Champ Pro series linear LED luminaire

<table>
<thead>
<tr>
<th>Length/lumens</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>PLL 4</td>
</tr>
<tr>
<td>2</td>
<td>PLL 2</td>
</tr>
</tbody>
</table>

### Voltage Options

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>/UNV1 100-277 VAC, 108-250 VDC</td>
<td>PLL 4</td>
</tr>
<tr>
<td>/UNV34 347-480 VAC</td>
<td>PLL 2</td>
</tr>
</tbody>
</table>

### Optics

- **BLANK** - Wide (120°)
- **N** - Narrow (80°)

### mounting options and dimensions:

### Through feed

- **TF** - Pull wire included in the fixture

### Cord options

- **LP** - LynxPOWER receptacles, factory pre-wired
- **CD** - Type P cable, 10 ft. (non-armored), ADE 1F series gland pre-wired to fixture

*All ML3C4WC series Mini-Line LynxPOWER cord sets can be utilized. Refer to accessories section below for part number.*

### Additional lengths available. Contact Eaton’s Crouse-Hinds customer service for additional options.

**Additional lengths available. Contact Eaton’s Crouse-Hinds customer service for additional options.**

**Eaton is a registered trademark. All other trademarks are property of their respective owners.**