SECTION E
LINEAR FLUORESCENT LAMPHOLDERS

Fluorescent Lamp Shapes and Bases  E2

T5 (G5) Miniature Bi Pin  E3 - E8

T8/T10/T12 (G13) Medium Bi Pin  E9 - E23

Turret Lampholders  E22

Circline (G10Q) Lampholders  E24

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LINEAR FLUORESCENT LAMPHOLDERS

LINEAR FLUORESCENT LAMP SHAPES AND LAMP BASE

FLUORESCENT LAMP SHAPES

- T-5 MINIATURE BIPIN
- T-6 SINGLE PIN SLIMLINE
- T-8 MEDIUM BIPIN
- T-8 SINGLE PIN SLIMLINE
- T-10 MEDIUM BIPIN
- T-12 MEDIUM BIPIN
- T-12 SINGLE PIN SLIMLINE
- T-12 RECESSED DOUBLE CONTACT
- T-8/T-12 MEDIUM BIPIN U-BENT
- T-9/T-10 4-PIN CIRCLINE

FLUORESCENT LAMP BASE

- T-5 MINIATURE BIPIN (G5)
- T-8, T-10, T-12 MEDIUM BIPIN (G13)
- T-8, T-10, T-12 RECESSED DOUBLE CONTACT (R17d)
- T-6, T-8, T-12 SLIMLINE SINGLE PIN (FA8)
- 4-PIN CIRCLINE (G10Q)
- 2D 4-PIN (G313)

FOR MORE INFORMATION PLEASE CALL 1-800-661-9610 (HEAD OFFICE) 1-888-762-5384 (USA)

PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION. PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
## FLUORESCENT SOCKET MINIATURE BI-PIN T5 LAMPHOLDERS

### FL261 T-5 Snap-In Mount

<table>
<thead>
<tr>
<th>T-5</th>
<th>G5</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Image of FL261 T-5 Snap-In Mount" /></td>
<td><img src="image2" alt="Image of FL261 T-5 Snap-In Mount" /></td>
</tr>
<tr>
<td>- White polycarbonate body, rated 110°C</td>
<td>- Snap-in mount</td>
</tr>
<tr>
<td>- Double edge contacts hold lamp securely</td>
<td>- Rated 120W, 600V</td>
</tr>
<tr>
<td>- Ideal for mirror cases and display lighting</td>
<td>- cCSAus Certified / cULus Listed</td>
</tr>
<tr>
<td>- Quick connect push-in wire terminals for 18 AWG solid, Twist &amp; Tin, or solder dipped wire, stripped 5/16&quot;</td>
<td></td>
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</table>

### FL265 T-5 Snap-In / Screw Mount / FL265-S Shunted Version

<table>
<thead>
<tr>
<th>T-5</th>
<th>G5</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3" alt="Image of FL265 T-5 Snap-In / Screw Mount" /></td>
<td><img src="image4" alt="Image of FL265 T-5 Snap-In / Screw Mount" /></td>
</tr>
<tr>
<td>- White polycarbonate body, rated 110°C</td>
<td>- Screw mount or snap-in mount into a 0.020” – 0.040” (0.5 mm – 1 mm) panel thickness</td>
</tr>
<tr>
<td>- Double edge contacts hold lamp securely</td>
<td>- Rated 120W, 600V</td>
</tr>
<tr>
<td>- Ideal for mirror cases and display lighting</td>
<td>- cCSAus Certified / cULus Listed</td>
</tr>
<tr>
<td>- Quick connect push-in wire terminals for 18 AWG solid, Twist &amp; Tin, or solder dipped wire, stripped 5/16&quot;</td>
<td></td>
</tr>
</tbody>
</table>

*ADD suffix “S” to part number for shunted version*
LINEAR FLUORESCENT LAMPHOLDERS

FLUORESCENT SOCKET MINIATURE BI-PIN T5 LAMPHOLDERS

FL621 SERIES T-5 Tall Profile, Rotary Lock, Snap-in Screw Mount

- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Snap-in mount or screw mount to panel
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5/16""
- Twin wireways for easy harness wiring

FL622 SERIES T-5 Medium / Short Profile, Rotary Lock, Snap-in, Screw Mount - Continued on next page

- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Snap-in mount or screw mount to panel
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5/16""
- Twin wireways for easy harness wiring

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FLUORESCENT SOCKET MINIATURE BI-PIN T5 LAMPHOLDERS

FL622 SERIES T-5 Medium / Short Profile, Rotary Lock, Snap-in, Screw Mount - Continued

FL622 Snap-in Screw Mount

FL622-S Snap-in Screw Mount, Shunted

FL622-N Snap-in Screw Mount, Locating Nib

FL622-SN Snap-in Screw Mount, Shunted, Locating Nib

FL622-L Snap-in Screw Mount, Short Body, Low Profile

FL622-LS Snap-in Screw Mount, Short Body, Shunted, Low Profile

FL622-LN Snap-in Screw Mount, Short Body, Locating Nib

FL622-LSN Snap-in Screw Mount, Short Body, Shunted, Locating Nib

FL622L-BSI T5 Medium, Short Profile, Rotary Lock, Bottom Snap-in

FL622L-BSI-S T5 Medium, Short Profile, Rotary Lock, Bottom Snap-in, Shunted

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# FLUORESCENT SOCKET MINIATURE BI-PIN T5 LAMPHOLDERS

**FL641 Rotary Lock, Rear Snap-in Mount / FL641-S Shunted Version**

<table>
<thead>
<tr>
<th>T-5</th>
<th>G5</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Image of FL641 Rotary Lock, Rear Snap-in Mount / FL641-S Shunted Version" /></td>
<td></td>
</tr>
</tbody>
</table>

- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped 5/16”
- Horizontal mounting pins snap in to panel for fast and easy installation
- For 0.023” – 0.040” (0.6 mm to 1.0 mm)
- Rated 120W, 600V; suitable for HO lamps
- cCSAus Certified / cULus Listed

**FL641-SP Rotary Lock, Rear Snap-in Mount with Spring Plate / FL641-S-SP Shunted Version**

<table>
<thead>
<tr>
<th>T-5</th>
<th>G5</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image2" alt="Image of FL641-SP Rotary Lock, Rear Snap-in Mount with Spring Plate / FL641-S-SP Shunted Version" /></td>
<td></td>
</tr>
</tbody>
</table>

- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Twin wireways for easy harness wiring.
- Spring plate allows for 0.08” (2 mm) lamp length tolerance
- Wires from bottom of lampholder
- Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped 5/16”
- Horizontal mounting pins snap in to panel for fast and easy installation
- For 0.023” – 0.040” (0.6 mm to 1.0 mm)
- Rated 120W, 600V; suitable for HO lamps
- cCSAus Certified / cULus Listed

**FL641-V Rotary Lock, Vertical Snap-in Mount / FL641-V-S Shunted Version**

<table>
<thead>
<tr>
<th>T-5</th>
<th>G5</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3" alt="Image of FL641-V Rotary Lock, Vertical Snap-in Mount / FL641-V-S Shunted Version" /></td>
<td></td>
</tr>
</tbody>
</table>

- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped 5/16”
- Vertical mounting pins snap in to panel for fast and easy installation
- For 0.023” – 0.040” (0.6 mm to 1.0 mm)
- Rated 120W, 600V; suitable for HO lamps
- cCSAus Certified / cULus Listed

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**For More Information Please Call** 1-800-661-9610 (Head Office) 1-888-762-5384 (USA)

*Please consult the factory for more products and customization. Product details and specifications are subject to change without notice.*
**LINEAR FLUORESCENT LAMPHOLDERS**

**FLUORESCENT SOCKET MINIATURE BI-PIN T5 LAMPHOLDERS**

**FL641-VSP** Rotary Lock, Vertical Snap-in Mount with Spring Plate / **FL641-VSPS** Shunted Version

- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Twin wireways for easy harness wiring.
- Spring plate allows for 0.08” (2 mm) lamp length tolerance
- Wires from bottom of lampholder
- Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped 5/16”
- Vertical mounting pins
- For 0.023” – 0.040” (0.6 mm to 1.0 mm)
- Rated 75W, 600V, suitable for HO lamps
- cCSAus Certified / cULus Listed

**FLG5HO-PH** T5 Plunger End Lampholder / **FLG5HO-FH** T5 Fixed End Lampholder

- White polycarbonate body
- For regular and HO T5 lamps
- Flexible snap-in wings for quick, easy insertion into panel
- Quick connect push-in wire terminals accept 18 AWG solid or solder dipped leads, stripped 3/8
- Horizontal Bi-Pin Contact
- Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped 5/16”
- Two wire ports per terminal to speed harness wiring
- Rated 120W, 600V; suitable for HO lamps
- cCSAus Certified / cULus Listed

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FLUORESCENT SOCKET MINIATURE BI-PIN T5 LAMPHOLDERS

**FL020 SERIES**

- White polycarbonate body, rated 110°C
- Double edge contacts hold lamp securely
- Ideal for mirror cases and display lighting
- Two wire ports per terminal for easy harness wiring
- Models FL020, FL020-T; FL021, FL021-T; FL022, FL022-T have 9" 18 AWG TENV solid wires attached, stripped 1/2"
- Models FL025, FL025-T; FL026, FL026-T; and FL027, FL027-T have Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped at 5/16"
- Various brackets and mounting holes are available (see drawings)
- "T" in part number stands for tapped bracket 6/32" TAP
- Rated 120W, 600V
- cCSAus Certified / cULus Listed

**T-5**

**G5**

<table>
<thead>
<tr>
<th>FL020</th>
<th>FL021</th>
<th>FL022</th>
<th>FL026</th>
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<td>MOUNTING HOLE</td>
<td>MOUNTING HOLE</td>
<td>MOUNTING HOLE</td>
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</tbody>
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**FL020 / FL020-T**

<table>
<thead>
<tr>
<th>FL022</th>
<th>FL025</th>
<th>FL026</th>
</tr>
</thead>
<tbody>
<tr>
<td>.150&quot; (3.8)</td>
<td>MOUNTING HOLE</td>
<td>MOUNTING HOLE</td>
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</tbody>
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**FL022 / FL022-T**

<table>
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<th>FL025</th>
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</thead>
<tbody>
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<td>.150&quot; (3.8)</td>
<td>MOUNTING HOLE</td>
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**FL026 / FL026-T**

<table>
<thead>
<tr>
<th>FL027</th>
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</thead>
<tbody>
<tr>
<td>.150&quot; (3.8)</td>
</tr>
</tbody>
</table>

**FL027 / FL027-T**

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**PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.**
FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS

FL005 SERIES Low Profile Turn Type Lampholders

- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16" wire ports per terminal for easy harness wiring
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Many models to choose from
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed

FL005 - Solid Shoulder, Standard Profile

FL005-W - Flexible Snap-in Shoulder

FL005-SC - Shunted with Captive Nut

FL005-S* - Solid Shoulder Shunted

FL005-SC* - Shunted with Captive Nut

FL005-SC - Shunted with Captive Nut

FL005-WC - Flexible Snap-in Shoulder, Captive Nut

FL005-WC* - Flexible Snap-in Shoulder, Captive Nut

FL005-WN* - Snap-in Shoulder with Locating nib

FL005-WS* Flexible Snap-in Shoulder, Shunted

FL005-WS* Flexible Snap-in Shoulder, Shunted

FL005-WS* Flexible Snap-in Shoulder, Shunted

FL005-SC* - Shunted with Captive Nut

FL005-SC* - Shunted with Captive Nut

FL005-WC* - Flexible Snap-in Shoulder, Captive Nut

FL005-WC* Flexible Snap-in Shoulder, Captive Nut

FL005-WSC* Flexible Snap-in Shoulder, Shunted Captive Nut

FL005-WSC* Flexible Snap-in Shoulder, Shunted Captive Nut

Add "-S" after product code for internal shunted version
Also available assembled, add Suffix "-A" after "C" in part number.

Screws are packed separately.

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PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION.
PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
**LINEAR FLUORESCENT LAMPHOLDERS**

**FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS**

**FL006-L SERIES** Low Profile

- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16""'
- Two wire ports per terminal for easy harness wiring
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Many models to choose from
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed
- Circle I s5487 for shunted version(s)

* Add “-S” after product code for internal shunted version

∆ Add “-C” after product code for captive nut on models with nut slot

---

### FL006-L SERIES Low Profile

<table>
<thead>
<tr>
<th><strong>FL006-LW</strong></th>
<th><strong>FL006-LWS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Slot on or Snap in winged</td>
<td>Slot on or snap in winged, shunted</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>FL006-LSI</strong></th>
<th><strong>FL006-LSP</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear Snap-in, Horizontal Pins</td>
<td>Rear snap-in, Horizontal Pin, with Spring Plate</td>
</tr>
</tbody>
</table>

* Add “-S” after product code for internal shunted version

∆ Screws are packed separately. Also available assembled, add Suffix “-A” after “C” in part number.

---

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Please consult the factory for more products and customization.

Product details and specifications are subject to change without notice.
**FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS**

**FL006-L SERIES**

<table>
<thead>
<tr>
<th>T-8</th>
<th>T-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>G13</td>
<td></td>
</tr>
</tbody>
</table>

**FL006-L SERIES** Low Profile Continued

**FL006-LB** Δ Slot on Mount, 18 ga. Panel

**FL006-LBX** Δ No Shoulders, Nut Slot

**FL006 SERIES** Tall Profile T-8 / T-12 Lampholders

**FL006** Δ Solid Shoulder, Nut Slot, Slot Mount, 18 ga. Panel

**FL006-A** Flush Sides, Mount Using Self Threading Screw

- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16”
- Two wire ports per terminal for easy harness wiring
- For a 0.023” - 0.040” (0.6 mm - 1.0 mm) panel thickness
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Many models to choose from
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed
- Circle I s5487 for shunted version(s)

* Add “-S” after product code for internal shunted version

Δ Add “-C” after product code for captive nut on models with nut slot

**FL006-LB** Δ  
**FL006-LBX** Δ

**FL006** Δ  
**FL006-A**

**Panel Cutouts**

<table>
<thead>
<tr>
<th>FL006-LB* Δ</th>
<th>FL006-LBX* Δ</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>8.70 [0.34]</td>
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**Panel Cutouts**

<table>
<thead>
<tr>
<th>FL006* Δ</th>
<th>FL006-A</th>
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</thead>
<tbody>
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<td>25.0 [0.98]</td>
</tr>
<tr>
<td>8.7 [0.34]</td>
<td>8.7 [0.34]</td>
</tr>
</tbody>
</table>

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LINEAR FLUORESCENT LAMPHOLDERS

FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS

FL007 SERIES Butt-on Lampholders

- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- Two wire ports per terminal for easy harness wiring
- Available with centre hole for butt-on mounting, side slots, mounting grooves or mounting brackets
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Many models to choose from
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAuS Certified / cULus Listed

FL007 FL007B-TC FL007A

- 1.375" Wide (34.9)
- 0.290" Deep (7.4)

PANEL CUTOUT

FL007 Butt-on Side Slots

FL007-S Butt-on, Side Slots, Shunted

FL007-A Butt-on Centre Hole, Screw Mount

FL007-A-S Butt-on Shunted, Centre Hole, Screw Mount

FL007-B Butt-on Mounting Bracket, 0.157" Clearance Hole

FL007-B-T* Butt-on Mounting Bracket, #6/32 Hole

* Add "-S" after product code for internal shunted version

FL007B-TC Butt-on Mounting Bracket, with Captive Nut and Screw
**FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS**

**FL010 SERIES**

- White polycarbonate body, rated 110°C
- Straight-in and "U" lamp applications, self aligning for "U" shaped lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16" or 22 AWG stranded wire 1/32"
- Two wire ports per terminal for easy harness wiring; double edge contacts
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Many models to choose from
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed
- Circle I s5487 for shunted version(s)

**FL010** Solid Shoulder Low Profile

- Captive Nut
- Standard
- Push-In

**FL010-W** Flexible Snap-in Shoulder

- Captive Nut (if required)

**FL010-C** Solid Shoulder Captive Nut

- Standard

**FL010-WS** Flexible Snap-in Shoulder, with Captive Nut

- Push-In

**FL010-S** Solid Shoulder Shunted

**FL010-WS** Flexible Snap-in Shoulder Shunted

**FL010-WN** Flexible Shoulder with Locating Nib

**FL010X-CN** Low Profile Captive Nut, No Shoulder

**FL010-W**

- Panel Cutouts: 0.307" (7.8 mm)
- Panel Cutouts: 0.38" (9.65 mm)
- Panel Cutouts: 0.416" (10.6 mm)
- Panel Cutouts: 0.458" (11.65 mm)
- Panel Cutouts: 0.488" (12.45 mm)
- Panel Cutouts: 0.500" (12.7 mm)

**FL010-WC**

- Panel Cutouts: 0.416" (10.6 mm)
- Panel Cutouts: 0.458" (11.65 mm)
- Panel Cutouts: 0.488" (12.45 mm)
- Panel Cutouts: 0.500" (12.7 mm)

**FL010-WS**

- Panel Cutouts: 0.38" (9.65 mm)
- Panel Cutouts: 0.416" (10.6 mm)
- Panel Cutouts: 0.458" (11.65 mm)
- Panel Cutouts: 0.488" (12.45 mm)
- Panel Cutouts: 0.500" (12.7 mm)

**FL010-WN**

- Panel Cutouts: 0.416" (10.6 mm)
- Panel Cutouts: 0.458" (11.65 mm)
- Panel Cutouts: 0.488" (12.45 mm)
- Panel Cutouts: 0.500" (12.7 mm)

**FL010X-CN**

- Panel Cutouts: 0.307" (7.8 mm)
- Panel Cutouts: 0.38" (9.65 mm)
- Panel Cutouts: 0.416" (10.6 mm)
- Panel Cutouts: 0.458" (11.65 mm)
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- Panel Cutouts: 0.38" (9.65 mm)
- Panel Cutouts: 0.416" (10.6 mm)
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- Panel Cutouts: 0.500" (12.7 mm)

**FL010-C**

- Panel Cutouts: 0.38" (9.65 mm)
- Panel Cutouts: 0.416" (10.6 mm)
- Panel Cutouts: 0.458" (11.65 mm)
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- Panel Cutouts: 0.416" (10.6 mm)
- Panel Cutouts: 0.458" (11.65 mm)
- Panel Cutouts: 0.488" (12.45 mm)
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**FL010X-CN**

- Panel Cutouts: 0.307" (7.8 mm)
- Panel Cutouts: 0.38" (9.65 mm)
- Panel Cutouts: 0.416" (10.6 mm)
- Panel Cutouts: 0.458" (11.65 mm)
- Panel Cutouts: 0.488" (12.45 mm)
- Panel Cutouts: 0.500" (12.7 mm)

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FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS

FL011 SERIES

- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- Two wire ports per terminal for easy harness wiring
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness

- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Many models to choose from
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed

FL011 FL011-C FL011-WS

T-8

T-12

G13

**FL011** Solid Shoulder Tall Profile

**FL011-W** Flexible Snap-in Shoulder

**FL011-S** Solid Shoulder Shunted

**FL011-WS** Flexible Snap-in Shoulder Shunted

**FL011-C** Solid Shoulder Captive Nut

**FL011-WC** Flexible Snap-in Shoulder Captive Nut

**FL011-SC** Solid Shoulder Shunted Captive Nut

**FL011-WSC** Flexible Snap-in Shoulder Shunted Captive Nut

* Add “-S” after product code for internal shunted version

**FOR MORE INFORMATION PLEASE CALL 1-800-661-9610 (HEAD OFFICE) 1-888-762-5384 (USA)**

**PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION.**

**PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.**
FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS

FL030 SERIES Low Profile, Self Aligning for U-shaped T8 Lamps

- White polycarbonate body, rated 110°C
- For T8 lamps
- Straight-in or "U" lamp insertion
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- Two wire ports per terminal for easy harness wiring; wires from bottom of lampholder
- Available internally shunted
- Rated 660W, 600V, suitable for HO lamps
- cCSAus Certified / cULus Listed

FL030-C FL030-WSN

FL030 Solid Shoulders Slot Mount

FL030-C Solid Shoulders Captive Nut Slot Mount

FL030-W Flexible Snap-in Shoulders

FL030-WS Flexible Snap-in Shoulders, Shunted

FL030-WSN Flexible Snap-in Shoulders, Shunted with Locating Nib

* Add "-S" after product code for internal shunted version
Also available assembled, add suffix "-A" after part number

FOR MORE INFORMATION PLEASE CALL 1-800-661-9610 (HEAD OFFICE) 1-888-762-5384 (USA)

PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION.
PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
**LINEAR FLUORESCENT LAMPHOLDERS**

**FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS**

**FL200 SERIES** Low Profile, Rotary Lock, T-8 / T-12

<table>
<thead>
<tr>
<th>FL200 / FL-200-S</th>
<th>FL200-N / FL200-SN</th>
<th>FL200-ER</th>
<th>FL200-EL</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-8</td>
<td>G13</td>
<td>T-8</td>
<td>G13</td>
</tr>
<tr>
<td>0.985&quot; (25.02)</td>
<td>0.878&quot; (22.30)</td>
<td>0.985&quot;</td>
<td>0.878&quot;</td>
</tr>
<tr>
<td>0.360&quot; (9.15)</td>
<td>0.344&quot; (8.74)</td>
<td>0.360&quot;</td>
<td>0.344&quot;</td>
</tr>
</tbody>
</table>

- White polycarbonate body, rated 110°C
- Rotary type lock, low profile for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- Two wire ports per terminal for easy harness wiring
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Many models to choose from
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed

**FL200** Flexible Snap-in Shoulder

**FL200-S** Flexible Shoulder Shunted

**FL200-N** Flexible Snap-in Shoulder, Locating Nib

**FL200-SN** Flexible Shoulder Shunted, Locating Nib

**FL200-ER** Flexible Snap-in Shoulder, Lamp Entry Right

**FL200-LS** Flexible Snap-in Shoulder, Locating Nib, Low Profile, Shunted

**FL200-EL** Flexible Snap-in Shoulder, Lamp Entry Left

**FL200-E16** E16 Linear Fluorescent Lampholders Medium Bi-pin G13 for T-8 / T-12 Lamps

**T-8**

**T-12**

**G13**

FOR MORE INFORMATION PLEASE CALL 1-800-661-9610 (HEAD OFFICE) 1-888-762-5384 (USA)

PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION.

PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
LINEAR FLUORESCENT LAMPHOLDERS

FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS

FL200 SERIES Low Profile, Rotary Lock, T-8 / T-12 (CONTINUED)

FL200-ELS Flexible Snap-in Shoulder, Lamp Entry Left, Shunted

FL200-ERS Flexible Snap-in Shoulder, Lamp Entry Right Shunted

* Add “-S” after product code for internal shunted version

Also available assembled, add suffix “-A” after part number

FL202 SERIES Tall Profile, Rotary Lock

- White polycarbonate body, rated 110°C
- Rotary type lock, low profile for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16”
- Two wire ports per terminal for easy harness wiring
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Many models to choose from
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed

FOR MORE INFORMATION PLEASE CALL 1-800-661-9610 (HEAD OFFICE) 1-888-762-5384 (USA)

PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION. PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
**LINEAR FLUORESCENT LAMPHOLDERS**

**FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS**

**FL204 SERIES** Low Profile / **FL205 SERIES** Tall Profile

- White polycarbonate body, rated 110°C
- Turn type lock, low profile or tall for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16" - Two wire ports per terminal for easy harness wiring
- For 0.23" - 0.040" (0.6 mm - 1.0 mm)
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Many models to choose from
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed

**Panel Cutout**

<table>
<thead>
<tr>
<th>Model</th>
<th>PANEL CUTOUT</th>
<th>HOLE FOR LOCATING NIB, IF NEEDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-204</td>
<td>1.004 (25.5)</td>
<td>0.366 (9.3)</td>
</tr>
<tr>
<td>FL-205</td>
<td>1.004 (25.5)</td>
<td>0.366 (9.3)</td>
</tr>
<tr>
<td>FL-204-S</td>
<td>1.004 (25.5)</td>
<td>0.366 (9.3)</td>
</tr>
<tr>
<td>FL-205-S</td>
<td>1.004 (25.5)</td>
<td>0.366 (9.3)</td>
</tr>
</tbody>
</table>

**FL204 Series Flexible Snap-in Shoulder**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-204</td>
<td></td>
</tr>
<tr>
<td>FL-204-S</td>
<td></td>
</tr>
</tbody>
</table>

**FL205 Series Flexible Shoulder Shunted**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-205</td>
<td></td>
</tr>
<tr>
<td>FL-205-S</td>
<td></td>
</tr>
</tbody>
</table>

**FL204-N Series Flexible Snap-in Shoulder, Locating Nib**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-204-N</td>
<td></td>
</tr>
</tbody>
</table>

**FL204-SN Series Flexible Shoulder Shunted, Locating Nib**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-205-SN</td>
<td></td>
</tr>
</tbody>
</table>

**FL205 Series Flexible Snap-in Shoulder, T-8 Only**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td>FL-205</td>
<td></td>
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</tbody>
</table>

**FL205-S Series Flexible Shoulder, Shunted, T-8 Only**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-205-S</td>
<td></td>
</tr>
</tbody>
</table>

**FL205-N Series Flexible Snap-in Shoulder, T-8 Only, Locating Nib**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-205-N</td>
<td></td>
</tr>
</tbody>
</table>

**FL205-SN Series Flexible Shoulder, Shunted T-8 Only, Locating Nib**

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-205-SN</td>
<td></td>
</tr>
</tbody>
</table>

* Add “-S” after product code for internal shunted version

Δ Add “-C” after product code for captive nut on models with nut slot

**FOR MORE INFORMATION PLEASE CALL 1-800-661-9610 (HEAD OFFICE) 1-888-762-5384 (USA)**

PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION. PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
**LINEAR FLUORESCENT LAMPHOLDERS**

**FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS**

**FL206 SERIES** Low Profile, Rotary Lamp Lock

- White polycarbonate body, rated 110°C
- Rotary type lock, low profile for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- Two wire ports per terminal for easy harness wiring

<table>
<thead>
<tr>
<th>FL206</th>
<th>FL206-BSI</th>
<th>FL206-X</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Image of FL206" /></td>
<td><img src="image2" alt="Image of FL206-BSI" /></td>
<td><img src="image3" alt="Image of FL206-X" /></td>
</tr>
<tr>
<td>FL206* Δ</td>
<td>Solid Shoulder, Slot on Mount 18 or 20 ga. Panel, Nut Slot</td>
<td></td>
</tr>
<tr>
<td>FL206-BSI*</td>
<td>Snap-in Mount from the Top</td>
<td></td>
</tr>
<tr>
<td>FL206X* Δ</td>
<td>Flush Sides, Slot Mount 18 ga. Panel</td>
<td></td>
</tr>
</tbody>
</table>

- **FL206**
  - Add “-S” after product code for internal shunted version
- **FL206-BSI**
  - Add “-C” after product code for captive nut on models with nut slot

**FL207 Series** Tall Profile Rotary Lamp Lock

- White polycarbonate body, rated 110°C
- Rotary type lock, low profile for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- Two wire ports per terminal for easy harness wiring

<table>
<thead>
<tr>
<th>FL207</th>
<th>FL207-X-C</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4" alt="Image of FL207" /></td>
<td><img src="image5" alt="Image of FL207-X-C" /></td>
</tr>
</tbody>
</table>

- **FL207**
  - Rated 660W, 600V, suitable for all new HO lamps
  - Many models to choose from
  - cCSAus Certified / cULus Listed
- **FL207-X-C**
  - Circle 1 s5487 for shunted version(s)

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PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION.

PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8 / T-12 LAMPS

FL207* Δ Solid Shoulder, Slot Mount 18 or 20 ga. Panel, Nut Slot

FL207-W* Δ Flexible Wing, Snap in or Screw Mount, 18 ga. Panel

FL207X* Δ Flush Sides, Slot Mount 18 ga. Panel

FL421 T-8 / T-12 Rear Snap-in Mount / FL421-S Shunted Version

- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Snaps into two holes in panel for fast and easy mounting
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16”
- Two wire ports per terminal for easy harness wiring
- For 0.23” - 0.040” (0.6 mm - 1.0 mm) panel thickness
- Wires from bottom of lampholder
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed

FL421-SP Rear Snap-in Mount with Spring Plate / FL421-S-SP Shunted Version with Spring Plate

- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Snaps into two holes in panel for fast and easy mounting
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16”
- Spring plate allows for lamp tolerance compensation
- Two wire ports per terminal for easy harness wiring
- For 0.23” - 0.040” (0.6 mm - 1.0 mm) panel thickness
- Wires from bottom of lampholder
- Rated 660W, 600V, suitable for all new HO lamps
- cCSAus Certified / cULus Listed

* Add “-S” after product code for internal shunted version
Δ Add “-C” after product code for captive nut on models with nut slot

FOR MORE INFORMATION PLEASE CALL 1-800-661-9610 (HEAD OFFICE) 1-888-762-5384 (USA)

PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION.
PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T8 / T12 LAMPS

FL500 SERIES T-8 / T-12 Butt-on Type

- Made from Black Phenolic or White thermostsetting plastic
- Available with snap-in springs
- Plain hole or tapped hole
- Supplied with 9" TEW 105°C wire leads
- Lead can be brought out either straight down or through hole in rear
- FL-500 - White, Turn Lock 9" TEW Leads
- FL-500B-1 - Black with 9" TEW Leads with Brackets
- FL-500B - Black with 9" Leads 0.140" MTG Holes
- FL-500W-1 - White with 9" TEW Leads and Bracket
- Rated 860W, 600V
- cCSAus Certified / cULus Listed

FL709-W Fixed End Lampholder, Tall Profile, Bi-Pin

- Made from Polycarbonate
- For 60W - 112W lamps
- Flexible snap-in wings for quick, easy insertion into panel
- Snap-in/Slot-in mount, available with captive nuts for screw mount
- Quick connect push-in wire terminals
- accept 18 AWG solid or solder dipped leads, stripped 36°
- Horizontal Bi-Pin Contact
- Two wire ports per terminal to speed harness wiring
- Rated 660W, 600V on Fixed End
- cCSAus Certified / cULus Listed

FOR MORE INFORMATION PLEASE CALL 1-800-661-9610 (HEAD OFFICE) 1-888-762-5384 (USA)
PLease consult the factory for more products and customization. product details and specifications are subject to change without notice.
**FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T8 / T12 LAMPS**

**FL710-W** Plunger End Lampholder, Tall Profile, Bi-Pin

- Made from Polycarbonate
- For 60W - 112W lamps
- Flexible snap-in wings for quick, easy insertion into panel
- Snap-in/Slot-in mount, available with captive nuts for screw mount
- Quick connect push-in wire terminals
- Accept 18 AWG solid or solder dipped leads, stripped 3/8”
- Horizontal Bi-Pin Contact
- Two wire ports per terminal to speed harness wiring
- Rated 660W, 600V on Spring End
- cCSAus Certified / cULus Listed

**TURRET LAMPHOLDERS**

**FL518** T8 / T12 Bi-Pin Plunger End / **FL518-S** T8 / T12 Bi-Pin Plunger End Shunted

- These updated lampholders are made polycarbonate
- Ideal for retail, commercial, signage and industrial applications
- Keyway provides proper orientation and secures lampholder
- Quickwire terminals accept 18 AWG solid or bonded copper wire, strip
- For panel thicknesses from 0.035” to 0.050” (.9mm to 1.3mm)

**FL519** T8 / T12 Bi-Pin Fixed End / **FL519-S** T8 / T12 Bi-Pin Fixed End Shunted

- Easily snaps into panel for quick assembly
- Wires from the back of the lampholder
- Two wire ports per terminal
- Rated 660W 600V
- c UL us, c CSA us listed
- “s” versions are internally shunted for instant start ballast applications

**PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.**

*For more information please call 1-800-661-9610 (Head Office) 1-888-762-5384 (USA)*

*Please consult the factory for more products and customization.*
**FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T8 SPACING / T5 LAMPS**

**FLT8 / T5 SERIES** T8 to T5 Offset Socket - to go from T8 spacing and use a T5 Lamp

- Made from Polycarbonate, rated 110°C
- Phosphor Bronze contacts
- Maintains lamp axis from T8 to T5 on low slot
- Has fixed and plunger end to allow for lamp length tolerances
- Rotary lock lampholders assure lamps do not come out until returned to unlocked position
- Quick contact push in wire terminals for 18 AWG solid or bonded copper wire, stripped 7/16"
- Ideal in applications where hard tooling new socket plates would be expensive or the quantity required would not be justified
- Ideal for relamping existing fixtures in ceilings using the existing socket bars
- Two wire ports per terminal
- Rated 660W, 600V
- UL listed, CSA approved
- Patent pending
- Samples are available to try in your applications, please contact our office

*Note: May not fit in all applications; covers may require notched area to fit.*

**FLT8/T5-FH:** Fixed End  
**FLT8/T5-PH:** Plunger End

---

**FLT8/T5-FH**: Fixed End  
**FLT8/T5-PH**: Plunger End

- **FH/PH**
- **FH/PH FW**

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* Add "~S" after product code for internal shunted version

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**FLT8/T5-FH-BSI (BOTTOM SNAP IN)**  
**FLT8/T5-PH-BSI (BOTTOM SNAP IN)**

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**FLT8/T5-FH-FW (FRONT WIRES)**  
**FLT8/T5-PH-FW (FRONT WIRES)**
## Fluorescent Circline Socket Lampholders

### Fluorescent Circline Sockets

#### FLG10Q-FE G10Q Socket with 2 Mounting Ears

- White thermoplastic body
- Quick connect push-in wire terminals for 18 AWG solid or Twist & Tin or solder dipped wire, stripped 7/16”
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped 5/16”
- Socket has 2 mounting ears to screw down to panel
- Rated 120W, 600V
- UL Listed & CSA Certified

#### FLG10Q-FL G10Q Floating Socket / FLG10Q-9TEWN with 9” TEWN Leads

- White thermoplastic body
- Floating version of socket
- FLG10Q-FL has push-in wire terminals for 18 AWG solid wire, stripped 7/16”
- FLG10Q-9T has 9” TEWN 18 AWG leads attached (2 Blue, 2 Yellow), stripped 1/2”
- Rated 120W, 600V
- UL Listed & CSA Certified

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# FSB SERIES Starter Bases

- Made from high heat polycarbonate
- Many mounting methods available
- High strength Brass alloy contacts
- Quick connect push-in wire terminals accept 18 AWG solid or over tinned leads, stripped 1/2".
- White colour is standard; Black is available upon request, with minimums
- Starter holders may be ordered with leads attached, subject to minimums
- Rated 660W, 600V
- cCSAus Certified / cULus Listed

## FSB-001 Tall Snap-in Bracket

- White colour is standard; Black is available upon request, with minimums

## FSB-002 Screw Mount (2) 0.138 Holes

## FSB-003 Screw Mount (2) #6/32 Trapped Holes

## FSB-004 Tall Bracket (2) #6/32 Tapped Holes

## FSB-006A Screw Mount (2) #6/32 Trapped Holes
FSB-268 Starter Base, Top / Bottom Snap-in

- Made from high strength polycarbonate
- Can be mounted either above or below surface
- Snaps into two holes in panel for quick assembly
- For 0.023” - 0.047” (0.6 mm - 1.2 mm) panel thickness
- Quick connect push-in wire terminals accept 18 AWG solid or pre-tinned leads, stripped 3/8”
- Rated 660W, 600V
- cCSAus Certified / cULus Listed

FS SERIES Starters

- These quality long life starters are used to ignite fluorescent lamps
- Available in plastic or metal can
- UL Listed & CSA Approved

<table>
<thead>
<tr>
<th>METAL CASE</th>
<th>PLASTIC CASE</th>
<th>FOR USE WITH</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS-2M</td>
<td>FS-2</td>
<td>14, 15, 20W Linear Lamps</td>
</tr>
<tr>
<td>FS-4M</td>
<td>FS-4</td>
<td>30, 40W Linear Lamps</td>
</tr>
<tr>
<td>FS-5M</td>
<td>FS-5</td>
<td>4, 5, 6, 8W Linear Lamps</td>
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<tr>
<td>FS-12M</td>
<td>FS-12</td>
<td>32W Circline Lamps</td>
</tr>
<tr>
<td>FS-25M</td>
<td>FS-25</td>
<td>22, 25W Circline Lamps</td>
</tr>
</tbody>
</table>
LINEAR FLUORESCENT LAMPHOLDER ACCESSORIES

FLUORESCENT LAMP CLIPS

LCM-T5-LP-SI / LCM-T8-LP-SI / LCM-T12-LP-SI Metal Snap-in Support Clip

- Snap-In for T5/T8/T12 Lamp
- Made of nickel-plated steel
- Mounts into 0.315" (8 mm) hole

LCM-T5-LP-SC / LCM-T8-LP-SC / LCM-T12-LP-SC Metal Screw-in Support Clip

- Screw Mount for T5/T8/T12 Lamp
- Made of nickel-plated steel
- Mounts into 0.157" (4 mm) hole
- *For clip with captive nut, replace suffix '-SC' with '-SN''

LCP-T8-LP-SC / LCP-T12-LP-SC Plastic Screw-in Support Clip

- Screw Mount for T8 Lamp
- Made of UV stabilized clear polycarbonate
- Mounts into 0.157" (4 mm) hole
- *For clip with captive nut, replace suffix '-SC' with '-CN''

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PLEASE CONSULT THE FACTORY FOR MORE PRODUCTS AND CUSTOMIZATION.
PRODUCT DETAILS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
## TL-1 Tube Locks

<table>
<thead>
<tr>
<th>T-8</th>
<th>T-12</th>
</tr>
</thead>
</table>

- Made from White heat resistant Polypropylene
- Prevents lamps from shattering in fixtures by locking out pins
- Simply slides on to most industry T8/T12 lampholders
- For high vibration applications

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