



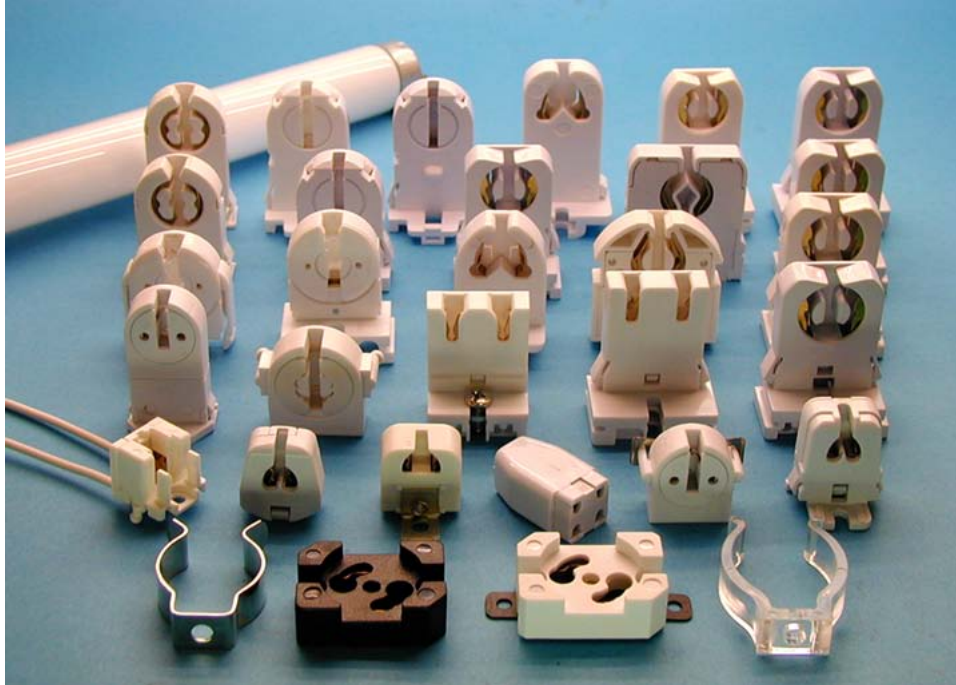
ETLIN-DANIELS

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Ontario, Canada, M9M 1A1
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SECTION D
LINEAR
FLUORESCENT
LAMP HOLDERS

D1

LINEAR FLUORESCENT LAMP HOLDERS



Linear Fluorescent Lampholders

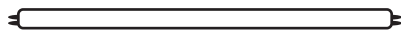
Fluorescent Lamp Shapes and Bases	D2
T5 (G5) Miniature Bi Pin	D3-D8
T8/T10/T12 (G13) Medium Bi Pin	D9-D26
Circline (G10Q/2GX13) Lampholders and Accessories	D27-D28
Fluorescent Starter Bases and Starters	D29-D30
Fluorescent Lampholder Accessories	D31-D32
Tube Protectors	D32

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FLUORESCENT LAMP SHAPES & LAMP BASES

D2

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



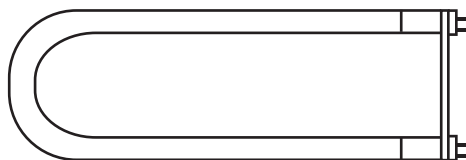
T-12 Medium Bipin



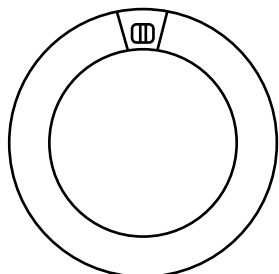
T-12 Single Pin Slimline



T-12 Recessed Double Contact

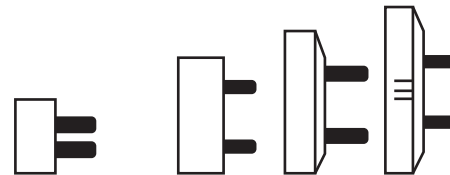


T-8/T-12 Medium Bipin U-Bent



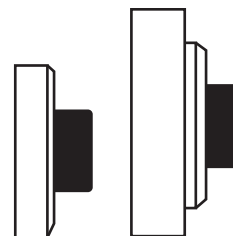
T-9/T-10 4-Pin Circline

FLUORESCENT LAMP BASES



T-5 Miniature
Bipin (G5)

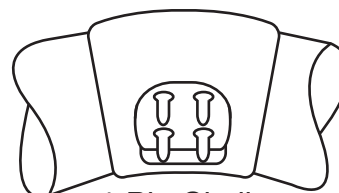
T-8, T-10, T-12
Medium Bipin (G13)



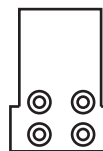
T-10, T-12
Recessed Double
Contact (R17d)



T-6, T-8, T-12
Slimline Single
Pin (FA8)



4-Pin Circline
(G10Q)

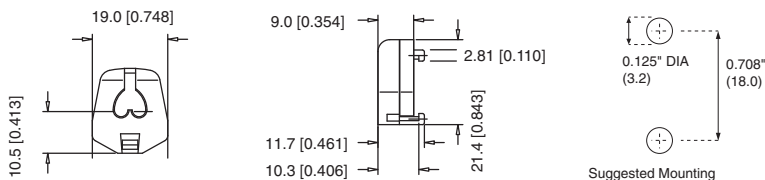


2D 4-Pin (2G13)

FLUORESCENT SOCKET MINIATURE BI-PIN T-5 LAMPHOLDERS

D3

FL261 T-5 Snap-In Mount

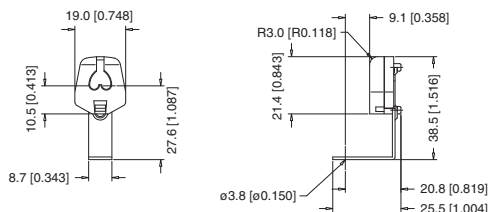
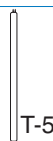


- White polycarbonate body, rated 110°C
- Double edge contacts hold lamp securely
- Ideal for mirror cases and display lighting

- Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped 5/16"

- Snap-in mount
- Rated 75W, 600V
- cCSA_{US} Certified / cUL_{US} Listed

FL261-A T-5 Screw Mount

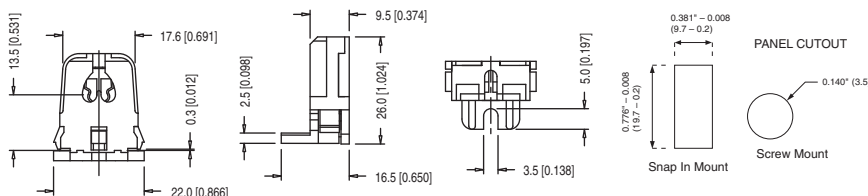
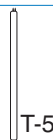


- White polycarbonate body, rated 110°C
- Double edge contacts hold lamp securely
- Ideal for mirror cases and display lighting

- Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped 5/16"

- Screw mount into a 0.150" hole
- Rated 75W, 600V
- cCSA_{US} Certified / cUL_{US} Listed

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



- White polycarbonate body, rated 110°C
- Double edge contacts hold lamp securely
- Ideal for mirror cases and display lighting

- Quick connect push-in wire terminals for 18 AWG solid, Twist & Tin, or solder dipped wire, stripped 5/16"

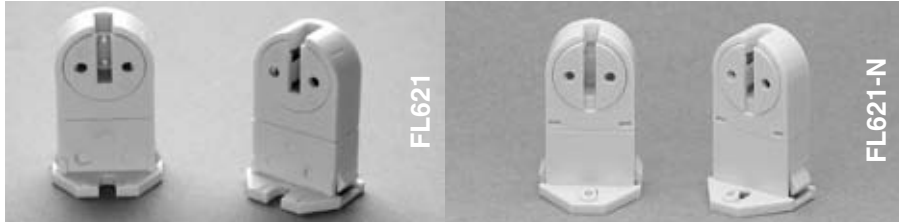
- Screw mount or snap-in mount into a 0.020" – 0.040" (0.5 mm – 1 mm) panel thickness
- Rated 75W, 600V
- cCSA_{US} Certified / cUL_{US} Listed

*ADD suffix "s" to part number for shunted version

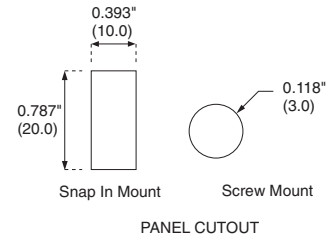
FLUORESCENT SOCKET MINIATURE BI-PIN T-5 LAMPHOLDERS

D4

FL621 Series
T-5 Tall Profile, Rotary Lock, Snap-In Screw Mount

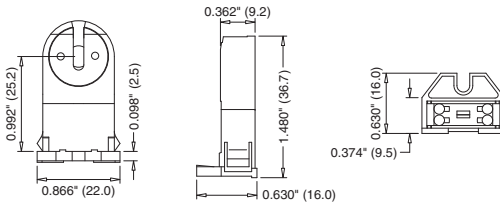


- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Snap-in mount or screw mount to panel
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5/16"
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Snap-in mounts into a 0.023" – 0.040" (0.6 mm to 1.0 mm) panel thickness
- Rated 75W, 600V; suitable for HO lamps
- cCSA_{US} Certified / cUL_{US} Listed

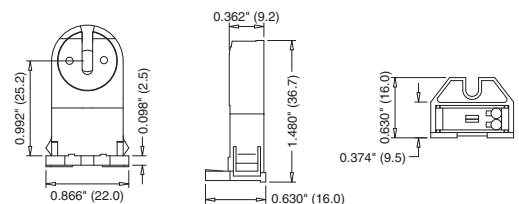


Linear Fluorescent

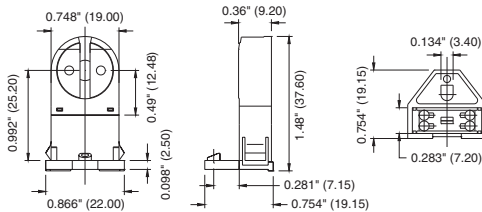
FL621
Snap-In,
Screw Mount



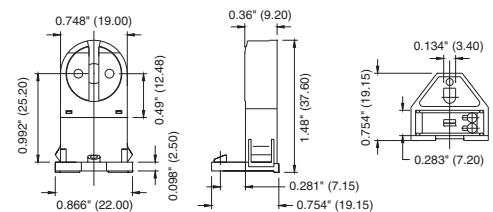
FL621-S
Snap-In,
Screw Mount,
Shunted



FL621-N
Snap-In,
Screw Mount,
Locating Nib



FL621-SN
Snap-In,
Screw Mount,
Shunted,
Locating Nib



FLUORESCENT SOCKET MINIATURE BI-PIN T-5 LAMPHOLDERS

FL622 Series
T-5 Medium / Short Profile, Rotary Lock,
Snap-In, Screw Mount

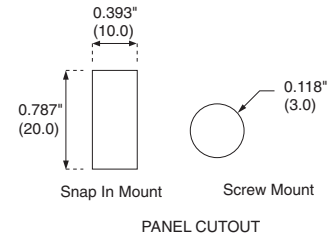
T-5



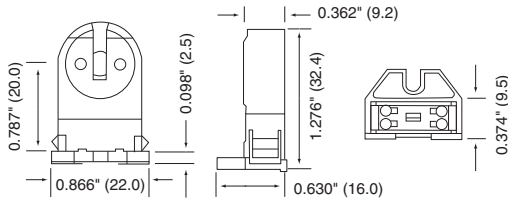
D5



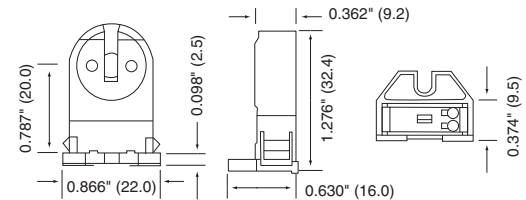
- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Snap-in mount or screw mount to panel
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5/16"
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Snap-in mounts into a 0.023" – 0.040" (0.6 mm to 1.0 mm) panel thickness
- Rated 75W, 600V; suitable for HO lamps
- cCSA_{US} Certified / cUL_{US} Listed



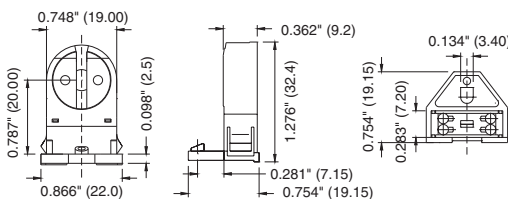
FL622
Snap-In,
Screw Mount



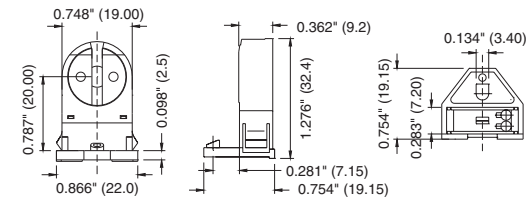
FL622-S
Snap-In,
Screw Mount,
Shunted



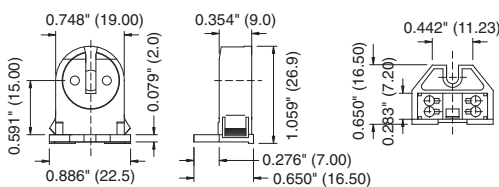
FL622-N
Snap-In,
Screw Mount,
Locating Nib



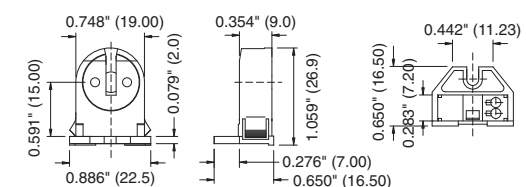
FL622-SN
Snap-In,
Screw Mount,
Shunted,
Locating Nib



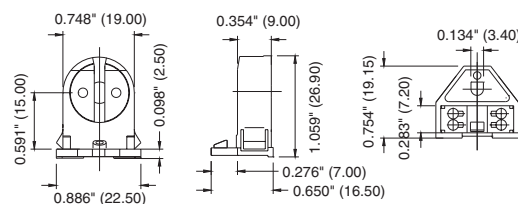
FL622-L
Snap-In,
Screw Mount,
Short Body



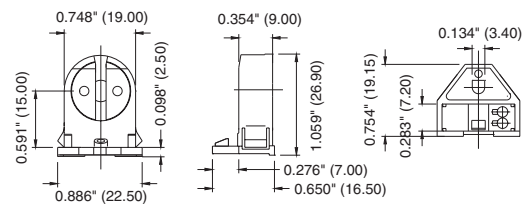
FL622-LS
Snap-In,
Screw Mount,
Short Body,
Shunted



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



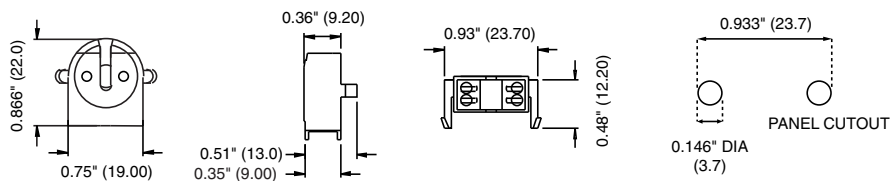
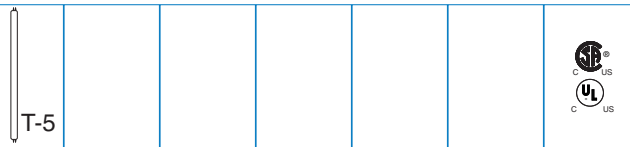
FL622-LSN
Snap-In,
Screw Mount,
Short Body,
Shunted,
Locating Nib



FLUORESCENT SOCKET MINIATURE BI-PIN T-5 LAMP HOLDERS

D6

FL641 Rotary Lock, Rear Snap-In Mount
FL641-S Shunted Version

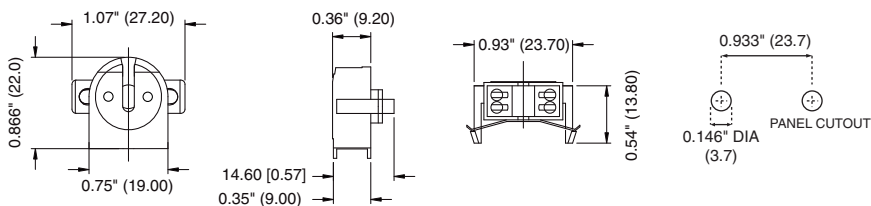
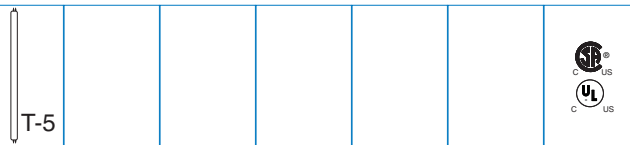


- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder

- Quick connect push-in wire terminals for 18 AWG solid 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) panel thickness
- Rated 75W, 600V; suitable for HO lamps
- cCSA_{US} Certified / cUL_{US} Listed

FL641-SP Rotary Lock, Rear Snap-In Mount
FL641-SP-S Shunted Version

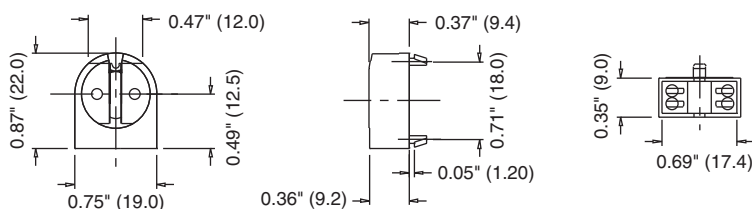
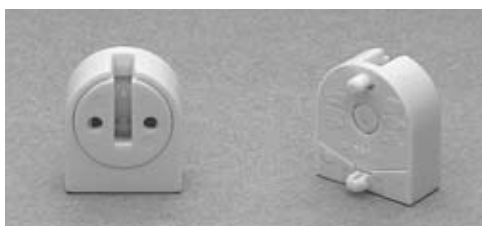
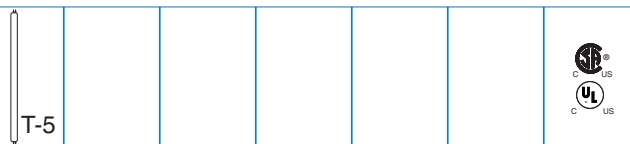


- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Spring plate allows for 0.80" (2 mm) lamp length tolerance

- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5/16"
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Horizontal mounting pins

- For 0.023" – 0.040" (0.6 mm to 1.0 mm) panel thickness
- Rated 75W, 600V; suitable for HO lamps
- cCSA_{US} Certified / cUL_{US} Listed

FL641-V Rotary Lock, Vertical Snap-In Mount
FL641-V-S Shunted Version



- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder

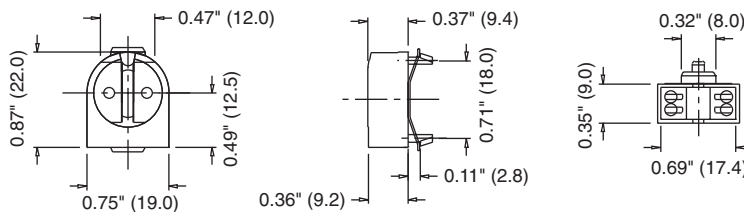
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5/16"
- Horizontal mounting pins snap in to panel for fast and easy installation

- For 0.023" – 0.040" (0.6 mm to 1.0 mm) panel thickness
- Rated 75W, 600V; suitable for HO lamps
- cCSA_{US} Certified / cUL_{US} Listed

FLUORESCENT SOCKET MINIATURE BI-PIN T-5 LAMPHOLDERS

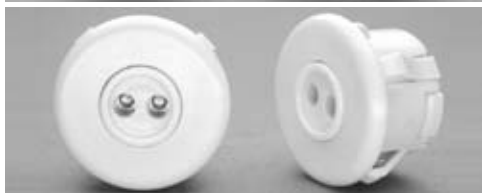
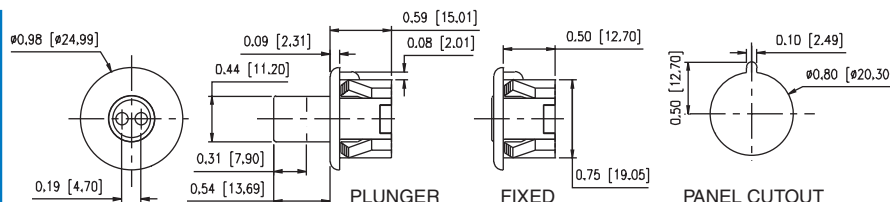
D7

FL641-VSP Rotary Lock, Vertical Snap-In Mount With Spring Plate
FL641-VSPS Shunted Version



- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Spring plate allows for 0.80" (2 mm) lamp length tolerance
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped $\frac{3}{16}$ "
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Horizontal mounting pins
- For 0.023" – 0.040" (0.6 mm to 1.0 mm) panel thickness
- Rated 75W, 600V; suitable for HO lamps
- cCSA_{US} Certified / cUL_{US} Listed

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



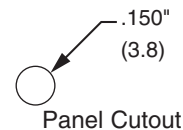
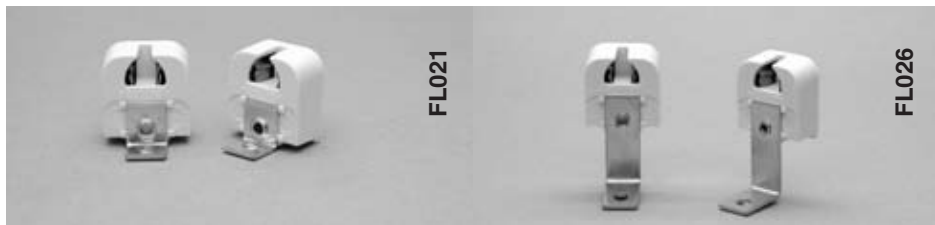
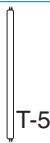
- Made of Polycarbonate
- For regular and HO T5 lamps
- Flexible snap-in wings for quick, easy insertion into panel
- Quick connect push-in wire terminals accept 18 AWG solid or solder dipped leads, stripped $\frac{3}{16}$ "
- Horizontal Bi-Pin Contact
- Two wire ports per terminal to speed harness wiring
- Rated 120W, 600V on Spring End
- cCSA_{US} Certified/cUL_{US} Pending

Linear Fluorescent

FLUORESCENT LAMPHOLDERS MINIATURE BI-PIN T-5 LAMPHOLDERS

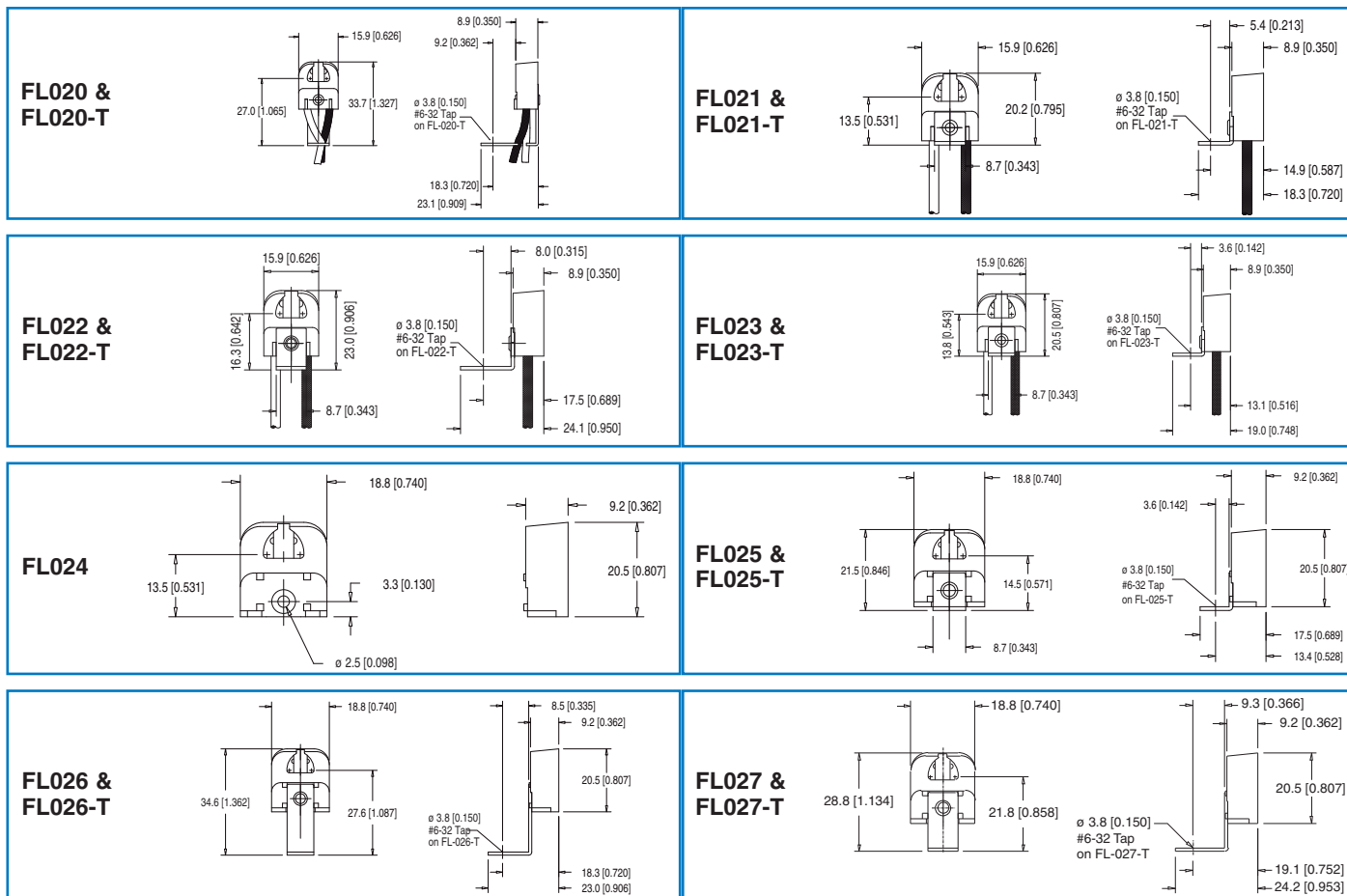
D8

FL020 Series



Linear Fluorescent

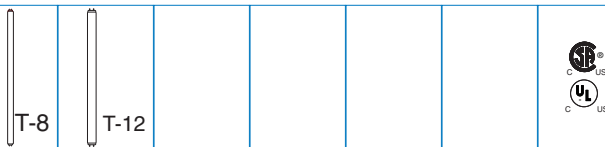
- White polycarbonate body, rated 110°C
- Double edge contacts hold lamp securely
- Ideal for mirror cases and display lighting
- Two wire ports per terminal for easy harness wiring
- Models FL020, FL020-T; FL021, FL021-T; FL022, FL022-T; FL023, and FL023-T have 9" 18 AWG TEWN solid wires attached, stripped 1/2"
- Models FL024, FL024-T; 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
- Rated 75W, 600V
- cCSA_{US} Certified / cUL_{US} Listed



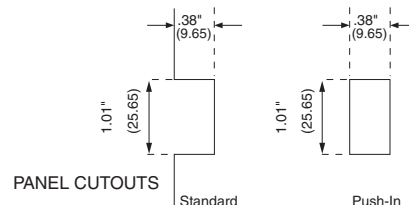
FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

D9

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"
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- cCSA_{US} Certified / cUL_{US} Listed



<p>Solid Shoulder, Standard Profile</p> <p>FL005*</p>	<p>Flexible Snap-In Shoulder</p> <p>FL005-W*</p>
<p>Solid Shoulder, Captive Nut</p> <p>FL005-C *Δ</p>	<p>Flexible Snap-In Shoulder, Captive Nut</p> <p>FL005-WC *Δ</p>
<p>Snap-In Shoulder, With Locating Nib</p> <p>FL005-WN</p>	<p>Snap-In Shoulder, w/ Locating Nib, Externally Shunted</p> <p>FL005-WEN</p>
<p>Snap-In Shoulder, w/ Locating Nib, Externally Shunted</p> <p>FL005-WPS</p>	<p>Disconnect version</p> <p>FL005-D</p>

* Add “-S” after product code for internal shunted version
 Δ Screws are packed separately. Also available assembled, add Suffix “-A” after “C” in part number.

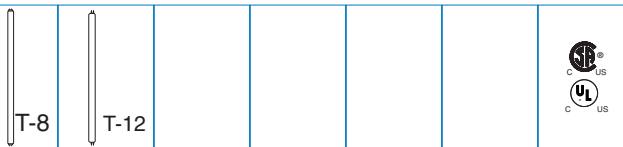
Linear Fluorescent

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

D10

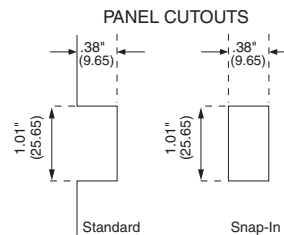
FL006-L Series

Low Profile T-8/T-12
Lampholders



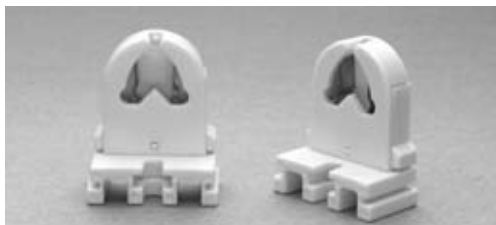
- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire $\frac{5}{16}$ "
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring

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

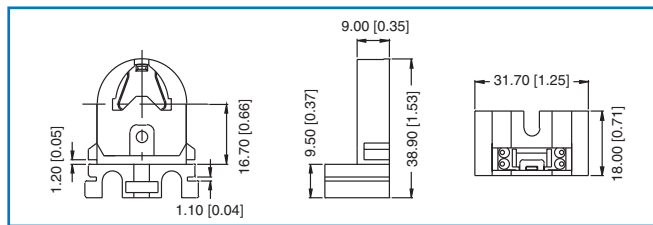


Linear Fluorescent

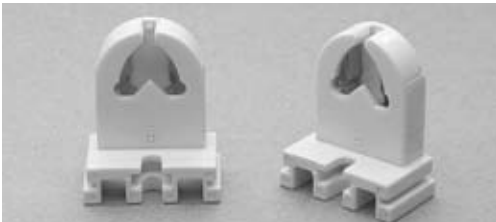
FL006-L * Δ



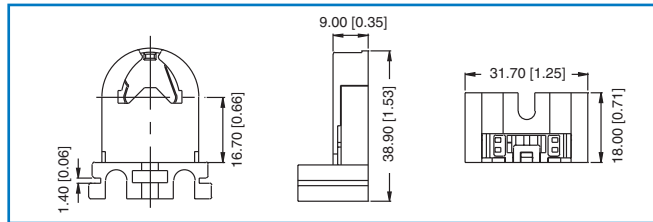
Snap in or
Slot on mount,
18 or 20 ga.
panel



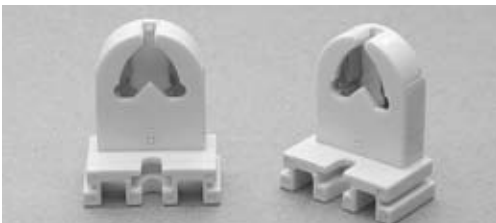
FL006-LX * Δ



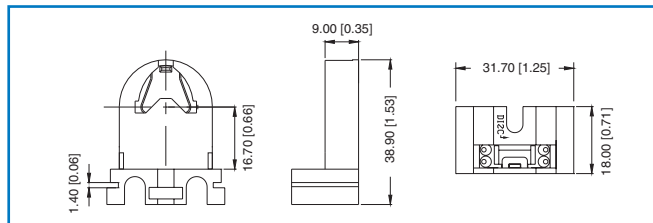
Slot on mount,
1-18 ga. panel



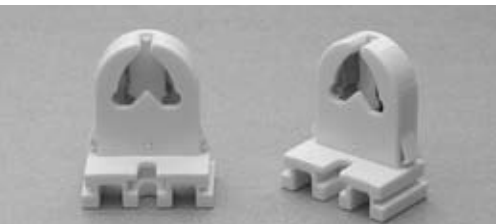
FL006-LXD Δ



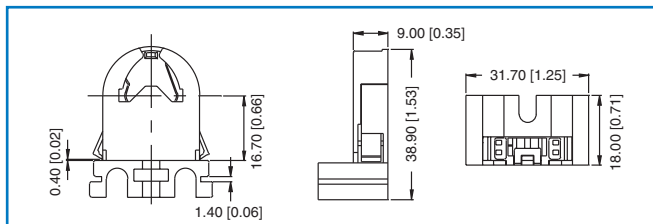
Disconnect type,
Slot on mount,
1-18 ga. panel



FL006-LW * Δ



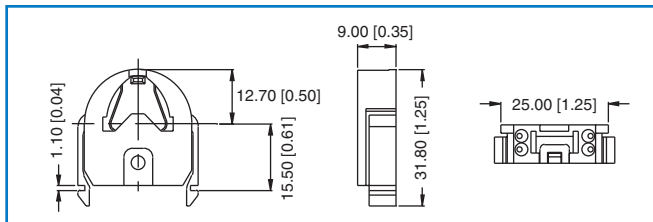
Slot on or snap
in, winged



FL006-LBSI *



Snap in from top
of panel

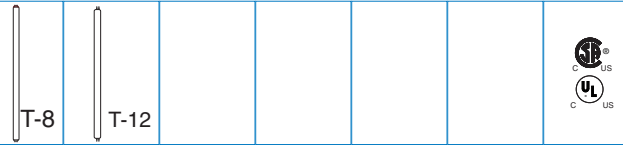


* Add "-S" after product code for internal shunted version
 Δ Add "-C" after product code for captive nut on models with nut slot

Continued on next page

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

FL006-L Series Low Profile continued

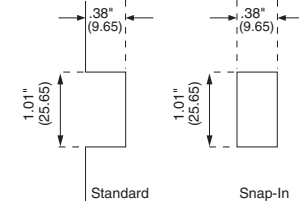


D11

- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire $\frac{5}{16}$ "
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring

- Available shunted for use with rapid or program start electronic ballasts; saves time and makes wiring easier
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- cCSA_{US} Certified / cUL_{US} Listed

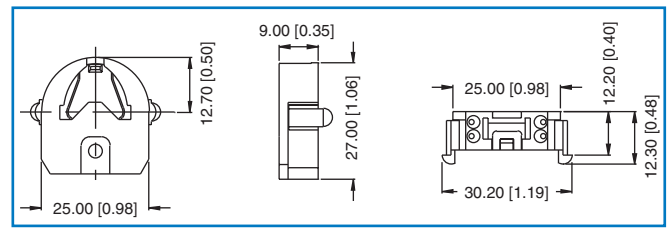
PANEL CUTOUTS



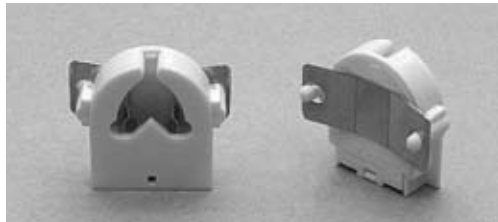
FL006-LSI *



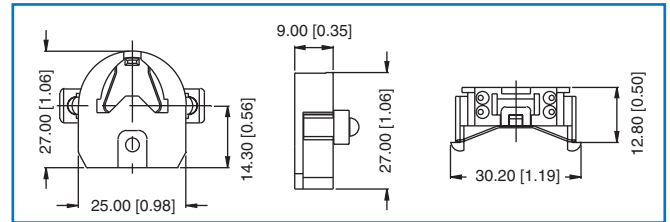
Rear snap in, horizontal pins



FL006-LSP *



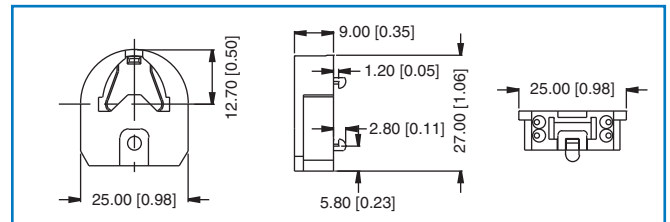
Rear snap in, horizontal pin with spring plate



FL006-LVSI *



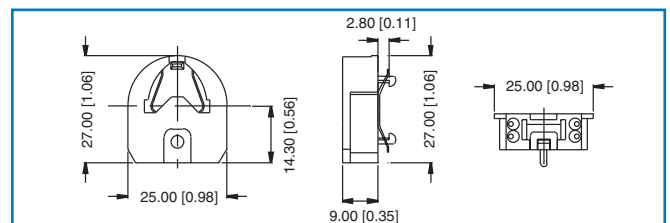
Rear snap in, vertical pins



FL006-LVSP *



Rear snap in, vertical pins, with spring plate



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

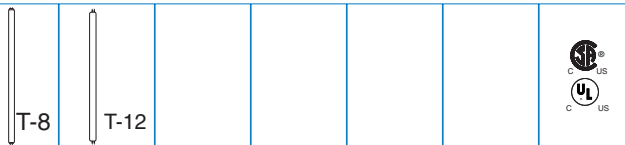
Continued on next page

Linear Fluorescent

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

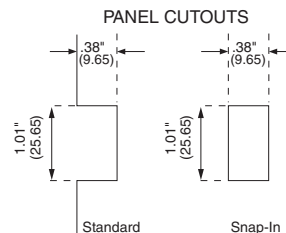
D12

FL006-L Series Low Profile continued



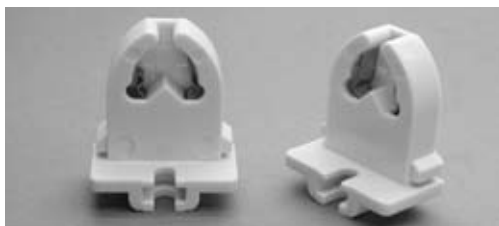
- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring

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

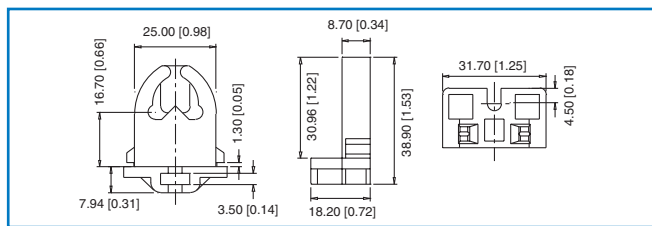


Linear Fluorescent

FL006-LB *Δ



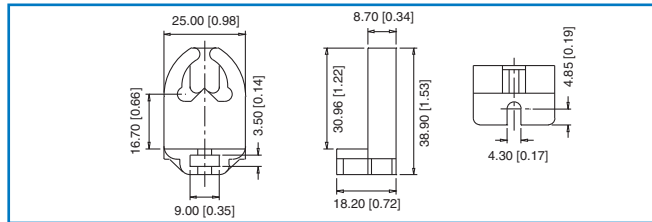
Slot on mount,
18 ga. panel



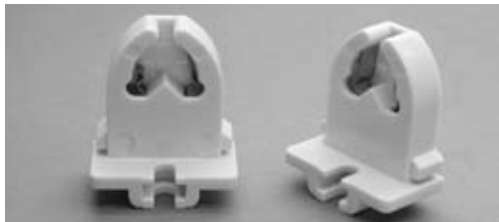
FL006-LBX *Δ



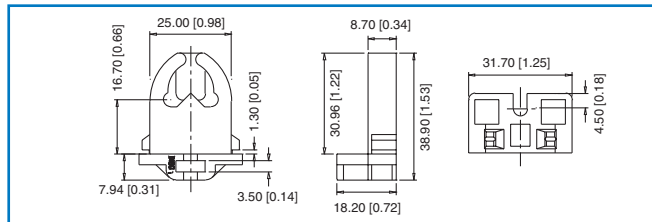
No shoulders,
Nut slot



FL006-LBD Δ



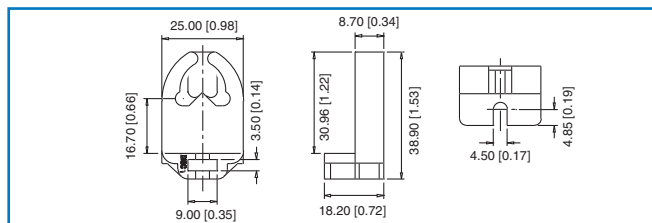
Disconnect type,
Slot on mount,
18 ga. panel



FL006-LBXD Δ



Disconnect type,
No shoulders,
Nut slot

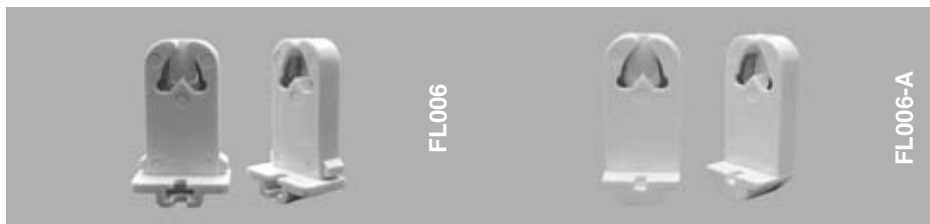
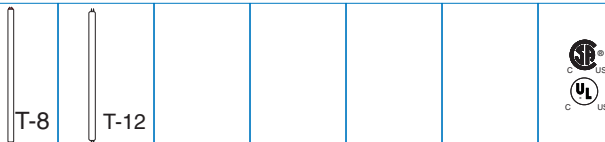


* Add "-S" after product code for internal shunted version
Δ Add "-C" after product code for captive nut on models with nut slot

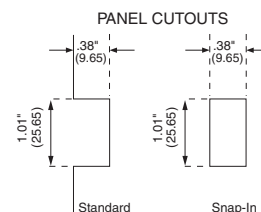
FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

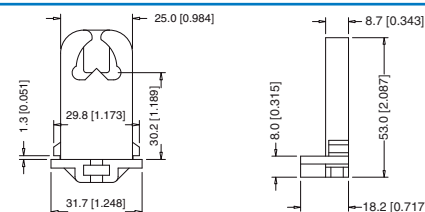
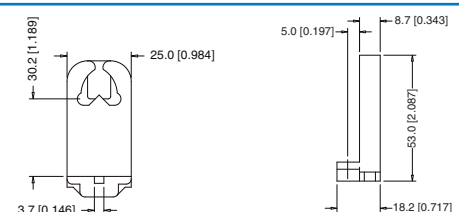
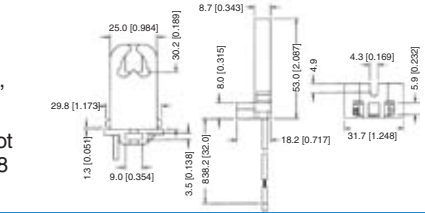
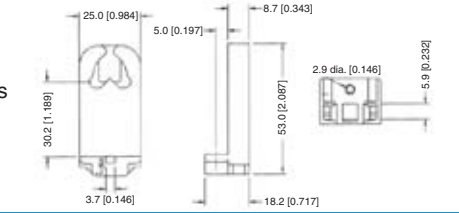
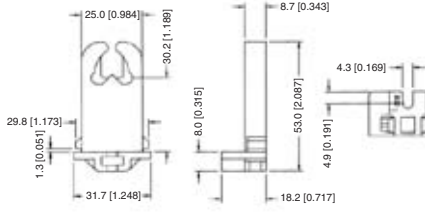
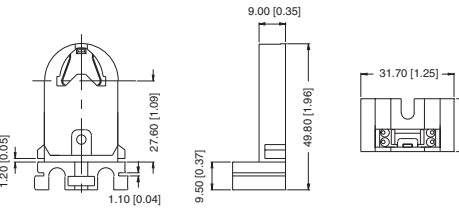
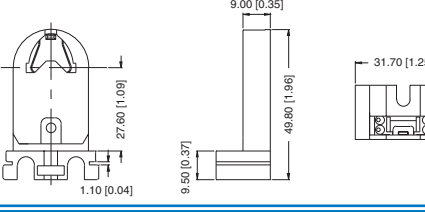
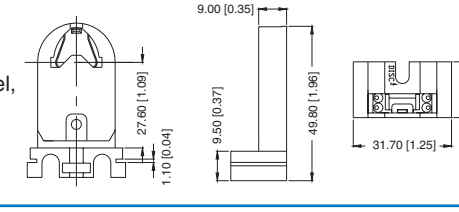
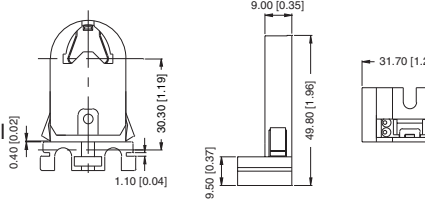
D13

FL006 Series - Tall Profile T-8/T-12 Lampholders



- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 7/16"
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Available shunted for use within instant start electronic ballasts; saves time and makes wiring easier
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- cCSA_{US} Certified / cUL_{US} Listed



<p>Solid shoulder, Nut Slot, Slot Mount, 18 ga. panel</p>  <p>FL006 *Δ</p>	<p>Flush sides, Mounts using self threading screw</p>  <p>FL006-A *</p>
<p>Solid shoulder, Disconnect type with 32" lead wire attached, Slot on mount, 18 ga. panel</p>  <p>FL006-A-D32 *Δ</p>	<p>Flush sides, Disconnect type, Mounts using self threading screw</p>  <p>FL006-AX-D *</p>
<p>Solid shoulder, Disconnect type, Slot on mount, 18 ga. panel</p>  <p>FL006-D *Δ</p>	<p>Solid shoulder, Slot mount, 18 or 20 ga. panel</p>  <p>FL006-H *Δ</p>
<p>Slot on mount, 1 slot for 20 ga. panel</p>  <p>FL006-HX *Δ</p>	<p>Slot on mount for 20 ga. panel, Disconnect</p>  <p>FL006-HXD</p>
<p>Flexible wing, Snap in or slot on mount for 20 ga. panel</p>  <p>FL006-W *Δ</p>	<p>* Add "-S" after product code for internal shunted version Δ Add "-C" after product code for captive nut on models with nut slot</p>

Linear Fluorescent

Continued on next page

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

D14

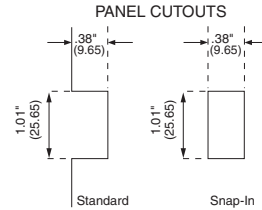
FL006 Series Continued

T-8

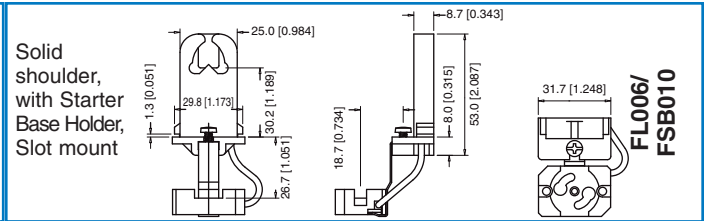
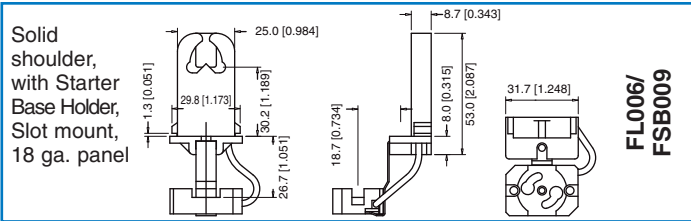
T-12



- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire $\frac{3}{16}$ "
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- cCSA_{US} Certified / cUL_{US} Listed



Linear Fluorescent



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

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

FL007 Series - Butt-On Lampholders

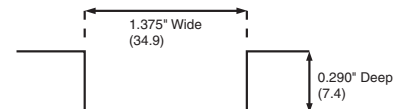
T-8 T-12



D15



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



PANEL CUTOUT
FOR SLOT ON MODELS

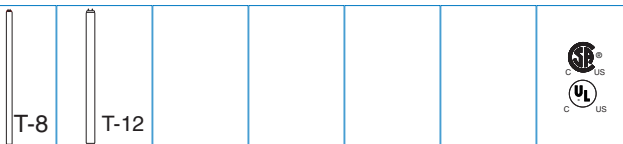
<p>Butt-On Side Slots</p> <p>FL007</p>	<p>Butt-On Shunted, Side Slots</p> <p>FL007-S</p>
<p>Butt-On Centre Hole, Screw Mount</p> <p>FL007-A</p>	<p>Butt-On Shunted, Centre Hole, Screw Mount</p> <p>FL007-A-S</p>
<p>Butt-On Mounting Bracket, 0.150" Clearance Hole</p> <p>FL007-B</p>	<p>Butt-On Mounting Bracket, #6/32 Hole</p> <p>FL007-B-T*</p>
<p>Butt-On Mounting Bracket, With Captive Nut & Screw</p> <p>FL007-B-TC</p>	<p>Butt-On Shunted, Snap-In Mount</p> <p>FL007-A-SPI</p>

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

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

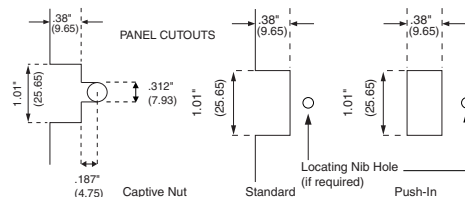
D16

FL010 Series



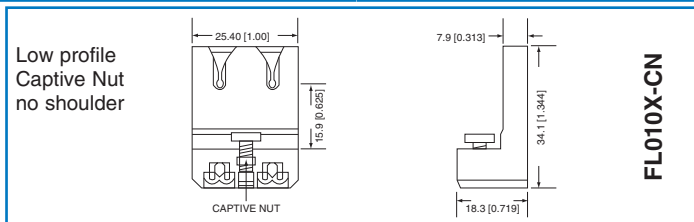
- White polycarbonate body, rated 110°C
- Straight-in and "U" lamp applications, self aligning for "U" shaped lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 3/16"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Many models to choose from

- Available shunted for use with instant electronic ballasts; saves time and makes wiring easier
- Two wire ports per terminal for easy harness wiring; double edge contacts
- Rated 660W, 600V, suitable for all new HO lamps
- cCSA_{US} Certified / cUL_{US} Listed



Linear Fluorescent

<p>Solid Shoulder Low Profile</p> <p>FL010</p>	<p>Flexible Snap-In Shoulder</p> <p>FL010-W</p>
<p>Solid Shoulder Captive Nut</p> <p>FL010-C</p>	<p>Flexible Snap-In Shoulder, With Captive Nut</p> <p>FL010-WC</p>
<p>Solid Shoulder Shunted</p> <p>FL010-S</p>	<p>Flexible Snap-In Shoulder Shunted</p> <p>FL010-WS</p>
<p>Flexible Shoulder With Locating Nib</p> <p>FL010-WN</p>	<p>Flexible Shoulder With Locating Nib Externally Shunted</p> <p>FL010-WEN</p>



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

FL011 Series

T-8

T-12

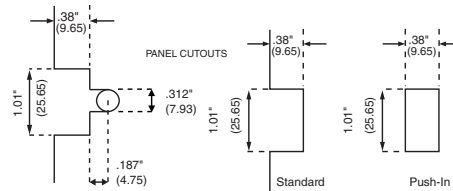


D17



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

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



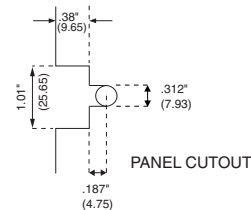
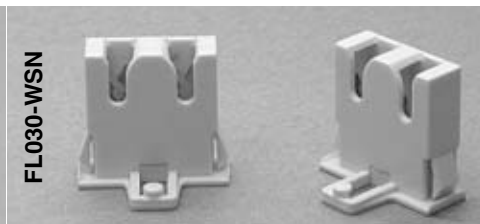
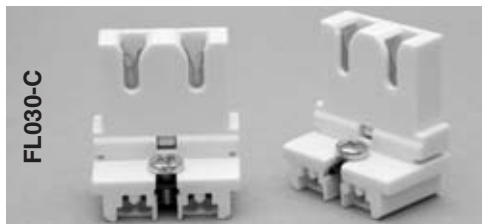
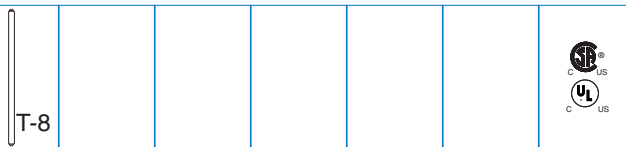
<p>Solid Shoulder Tall Profile</p> <p>FL011</p>	<p>Flexible Snap-In Shoulder</p> <p>FL011-W</p>
<p>Solid Shoulder Shunted</p> <p>FL011-S</p>	<p>Flexible Snap-In Shoulder Shunted</p> <p>FL011-WS</p>
<p>Solid Shoulder Captive Nut</p> <p>FL011-C</p>	<p>Flexible Snap-In Shoulder Captive Nut</p> <p>FL011-WC</p>
<p>Solid Shoulder Shunted, Captive Nut</p> <p>FL011-SC</p>	<p>Flexible Snap-In Shoulder Shunted, Captive Nut</p> <p>FL011-WSC</p>
<p>Solid Shoulder Disconnect</p> <p>FL011-D</p>	<p>Screws are packed separately. Also available assembled, add Suffix "-A" after part number.</p>

Linear Fluorescent

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

D18

FL030-C Low Profile, Self Aligning For U-Shaped T8 Lamps

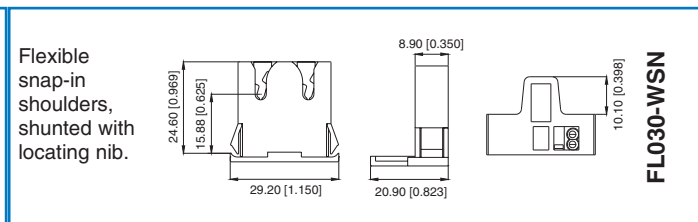
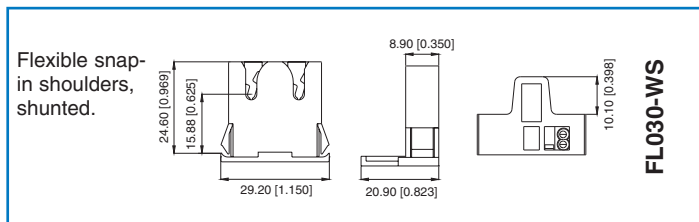
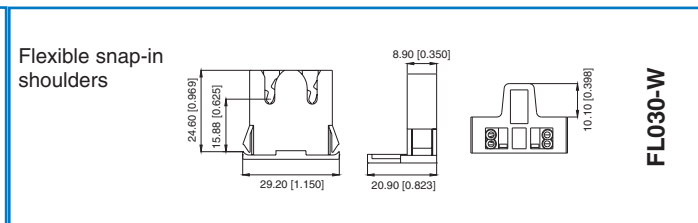
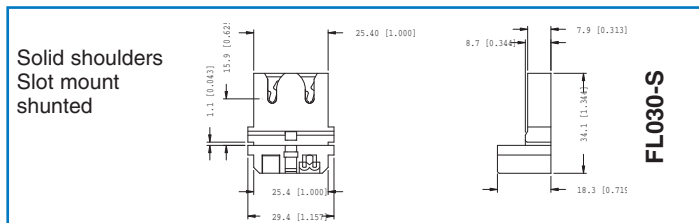
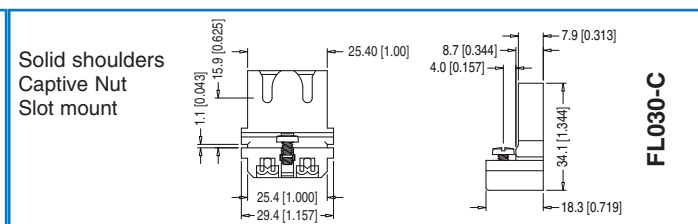
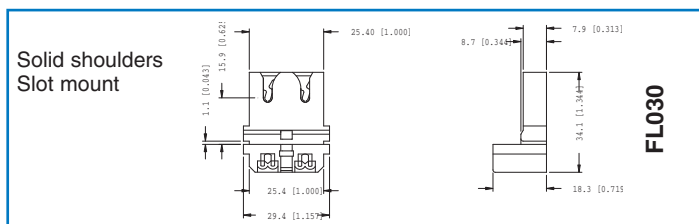


- White polycarbonate body, rated 110°C
- For T8 lamps
- Straight-in or “U” lamp insertion

- 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
- cCSA_{US} Certified / cUL_{US} Listed

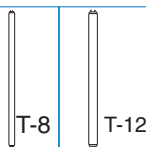
Linear Fluorescent



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

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

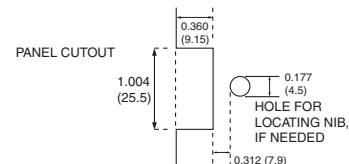
FL200 Series
Low Profile, Rotary Lock, T-8/T12



D19



- 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"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- cCSA_{US} Certified / cUL_{US} Listed



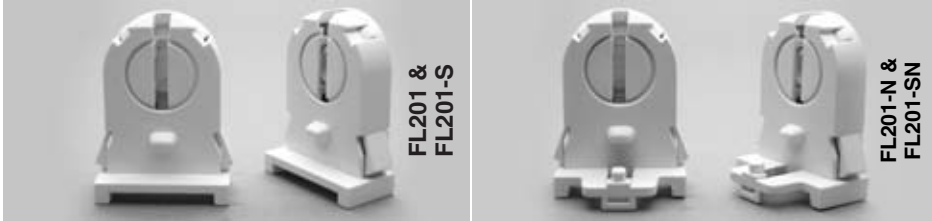
<p>FL200 Flexible Snap-In Shoulder</p>	<p>FL200-S Flexible Shoulder, Shunted</p>
<p>FL200-N Flexible Snap-In Shoulder, Locating Nib</p>	<p>FL200-SN Flexible Shoulder, Shunted, Locating Nib</p>
<p>FL200-L Flexible snap in shoulder, locating nib, low profile</p>	<p>FL200-LS Flexible snap in shoulder, locating nib, low profile, shunted</p>
<p>FL200-EL Flexible snap-in shoulder, lamp entry left.</p>	<p>FL200-ELS Flexible snap-in shoulder, lamp entry left, shunted</p>
<p>FL200-ER Flexible snap-in shoulder, lamp entry right.</p>	<p>FL200-ERS Flexible snap-in shoulder, lamp entry right, shunted</p>

Linear Fluorescent

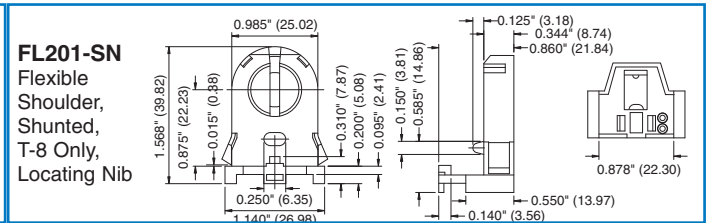
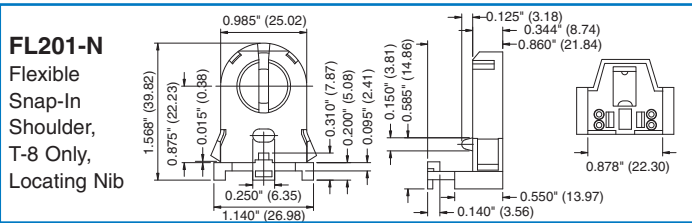
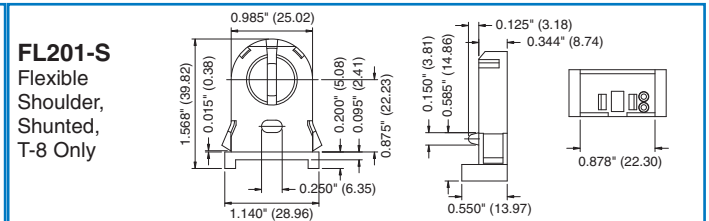
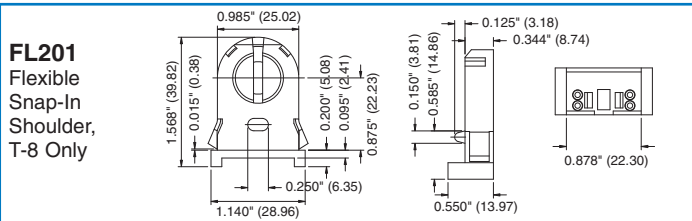
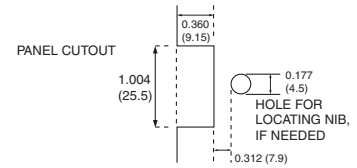
FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

D20

FL201 Series
Low Profile, Rotary Lock, T-8 Only



- 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"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- cCSA_{US} Certified / cUL_{US} Listed

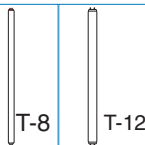


Linear Fluorescent

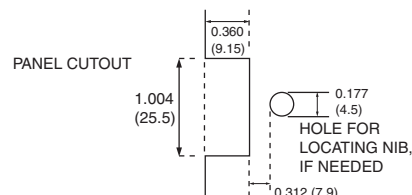
FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

D21

FL202 Series Tall Profile, Rotary Lock
FL203 Series Tall Profile, Rotary Lock, T-8 Only



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




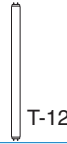

<p>FL202 Flexible Snap-In Shoulder</p>	<p>FL202-S Flexible Shoulder Shunted</p>
<p>FL202-N Flexible Snap-In Shoulder, Locating Nib</p>	<p>FL202-SN Flexible Shoulder Shunted, Locating Nib</p>
<p>FL203 Flexible Snap-In Shoulder, T-8 Only</p>	<p>FL203-S Flexible Shoulder Shunted, T-8 Only</p>
<p>FL203-N Flexible Snap-In Shoulder, T-8 Only, Locating Nib</p>	<p>FL203-SN Flexible Shoulder Shunted, T-8 Only, Locating Nib</p>

Linear Fluorescent

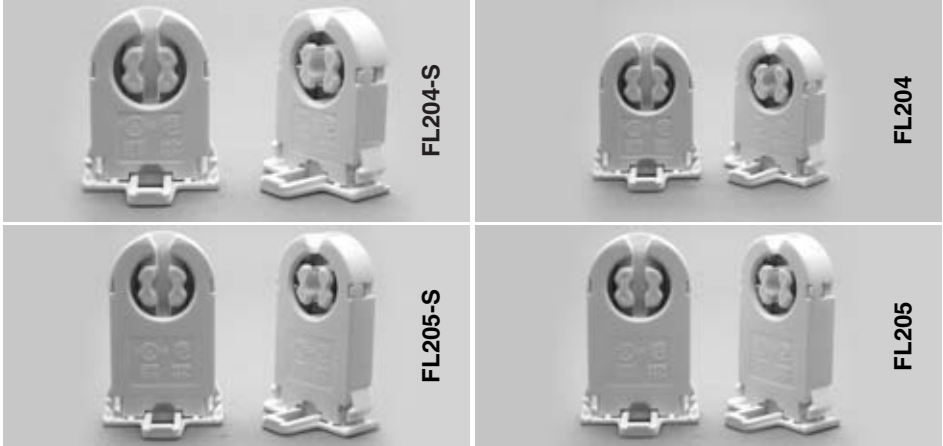
FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

D22

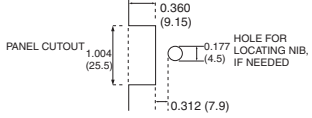
FL204 Series Low Profile
FL205 Series Tall Profile, T-8 Only

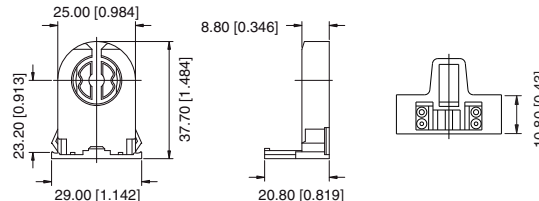
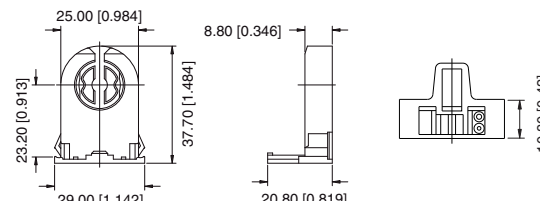
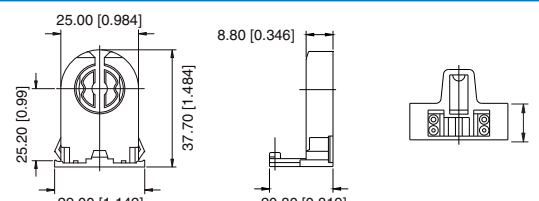
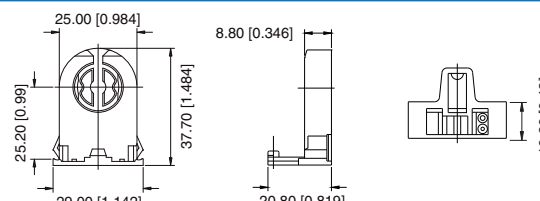
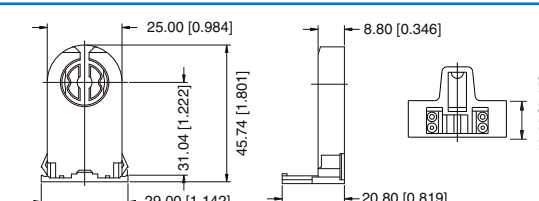
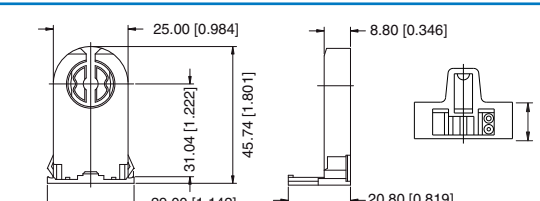
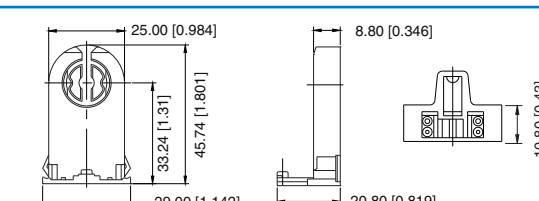
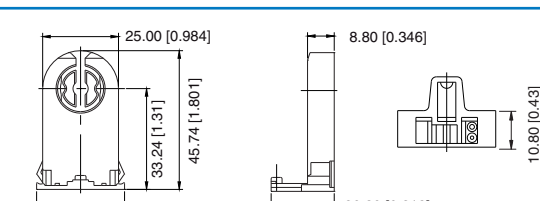
							
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Linear Fluorescent



- 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"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable for all new HO lamps
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Many models to choose from
- CSA_{US} Certified / cUL_{US} Listed



<p>FL204 Flexible Snap-In Shoulder</p> 	<p>FL204-S Flexible Shoulder Shunted</p> 
<p>FL204-N Flexible Snap-In Shoulder, Locating Nib</p> 	<p>FL204-SN Flexible Shoulder Shunted, Locating Nib</p> 
<p>FL205 Flexible Snap-In Shoulder, T-8 Only</p> 	<p>FL205-S Flexible Shoulder Shunted, T-8 Only</p> 
<p>FL205-N Flexible Snap-In Shoulder, T-8 Only, Locating Nib</p> 	<p>FL205-SN Flexible Shoulder Shunted, T-8 Only, Locating Nib</p> 

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

FL206 Series Low Profile Rotary Lamp Lock

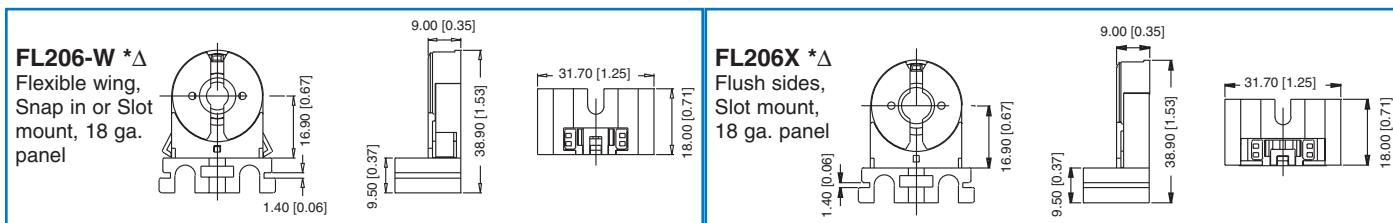
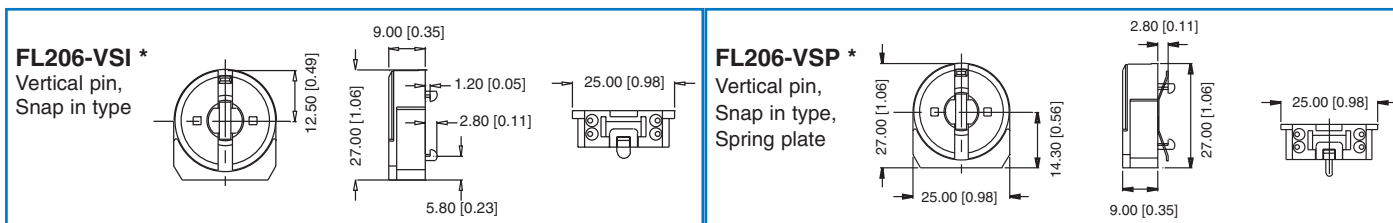
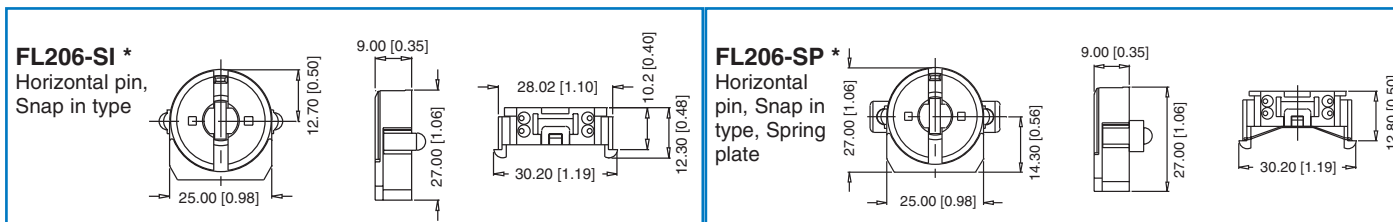
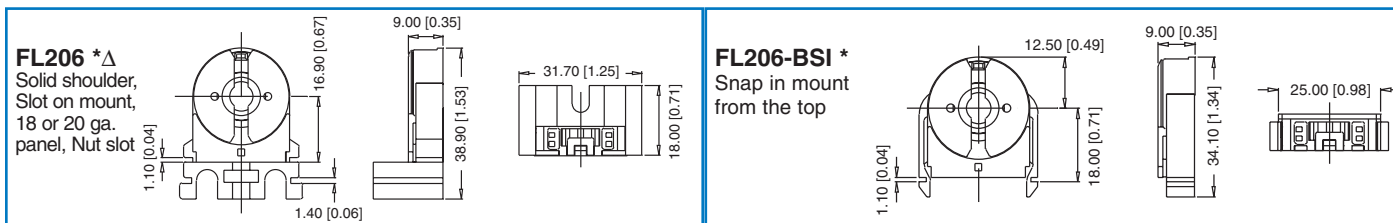
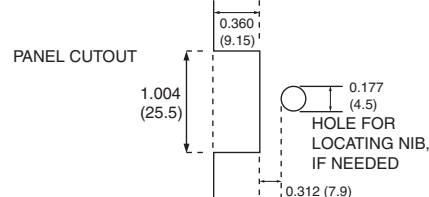


D23



- 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 $\frac{5}{16}$ "
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy

- harness wiring
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- cCSA_{US} Certified / cUL_{US} Listed



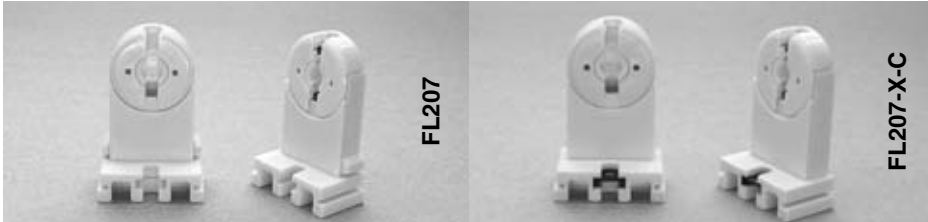
* Add "-S" after product code for internal shunted version
 Δ Add "-C" after product code for captive nut on models with nut slot

Linear Fluorescent

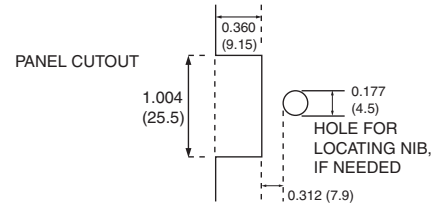
**FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS**

D24

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"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- cCSA_{US} Certified / cUL_{US} Listed



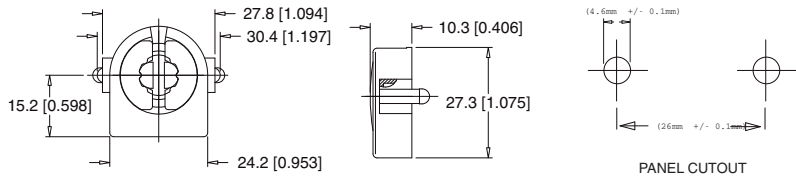
Linear Fluorescent

<p>FL207*Δ Solid shoulder, Slot mount, 18 or 20 ga. panel, Nut slot</p>	<p>FL207-W*Δ Flexible wing, Snap in or Screw mount, 18 ga. panel</p>
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FL207-X*Δ
Flush sides, Slot mount, 18 ga. panel

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

<p>FL421 T-8/T-12 Rear Snap-In Mount FL421-S Shunted Version</p>	
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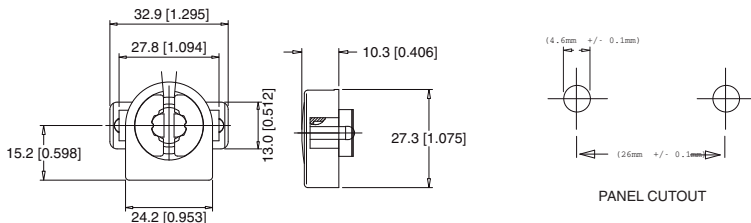
- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Snaps into two holes in panel for fast and easy mounting
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- Two wire ports per terminal for easy harness wiring
- Wires from bottom of lampholder
- Rated 660W, 600V, suitable for HO lamps
- cCSA_{US} Certified / cUL_{US} Listed

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

FL421-SP Rear Snap-In Mount With Spring Plate
FL421-SPS Shunted Version



D25



- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Snaps into two holes in panel for fast and easy mounting

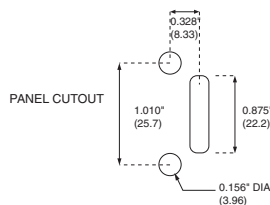
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Spring plate allows for lamp tolerance compensation
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"

- Two wire ports per terminal for easy harness wiring
- Wires from bottom of lampholder
- Rated 660W, 600V, suitable for HO lamps
- cCSA_{US} Certified / cUL_{US} Listed

FL500 Series T-8/T-12 Butt-On Type



Linear Fluorescent

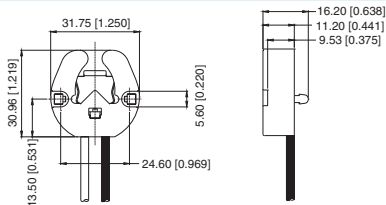


- Made from Black Phenolic or White thermosetting plastic
- Available with snap-in springs
- Plain hole or tapped hole
- Supplied with 9" TEW 105°C wire leads

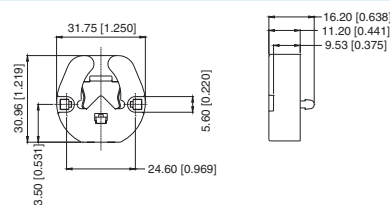
- Lead can be brought out either straight down or through hole in rear
- FL-500-BL Black Snap-In Type
- FL-500-WH White Snap-In Type
- FL-500-1-BL Black 2 x 0.140" diameter holes

- FL-500-1-WH White 2 x 0.140" diameter holes
- FL-500-2-BL Black 2 x 4-36 tapped holes
- FL-500-2-WH White 2 x 4-36 tapped holes
- Rated 660W, 600V
- UL Listed & CSA Approved

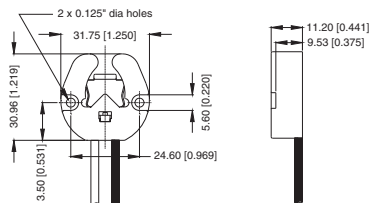
FL500-BL / FL500-WH
9" Leads, clip



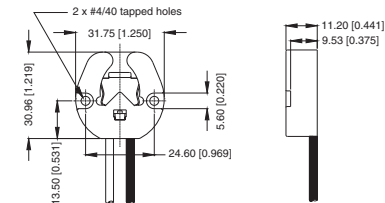
FL500-RSI-PI
Rear snap-in,
Push-in
terminals



FL500-W1
9" Leads,
0.125" Holes



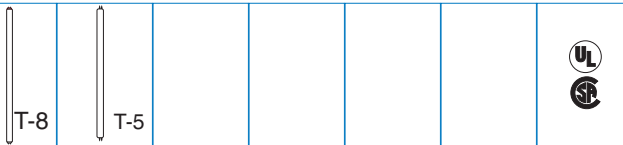
FL500-W1-T
9" Leads,
#4/40 holes



FLUORESCENT LAMPHOLDERS MEDIUM BI-PIN G13 FOR T-8/T-5 LAMPS

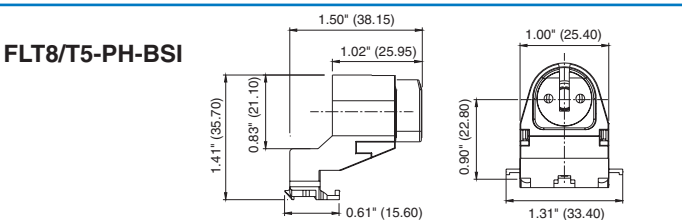
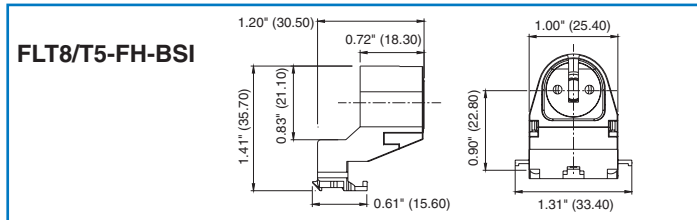
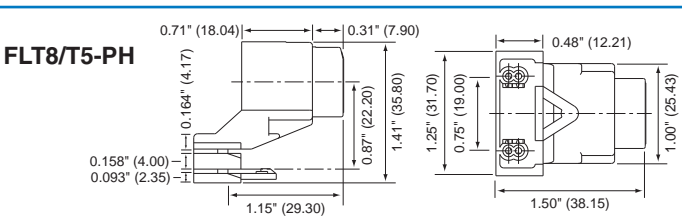
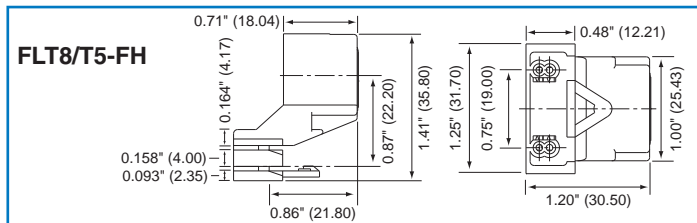
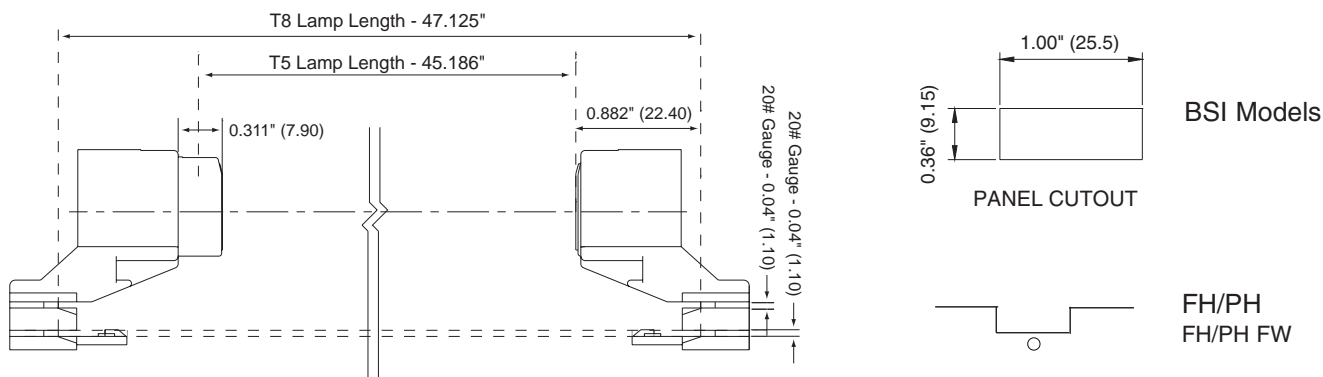
D26

FLT8/T5 Series T8 to T5 Offset Socket



Linear Fluorescent

- 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.

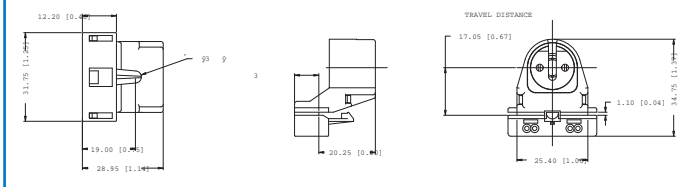


Continued on next page

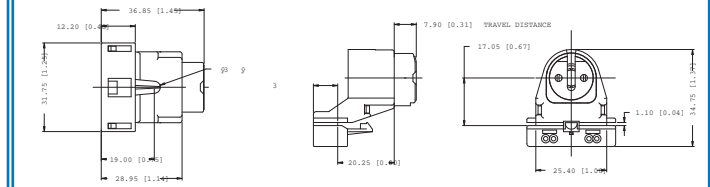
FLUORESCENT CIRCLINE SOCKETS

D27

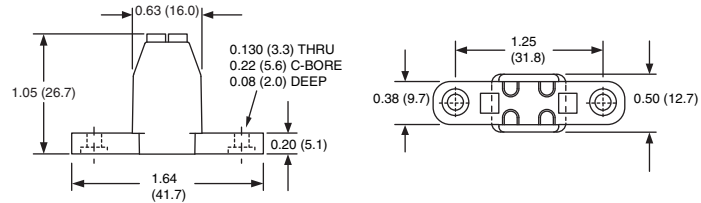
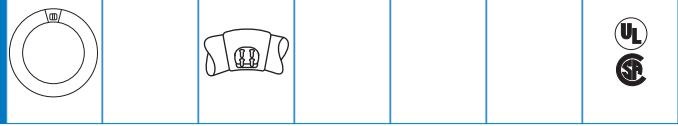
FLT8/T5-FH-FW



FLT8/T5-PH-FW



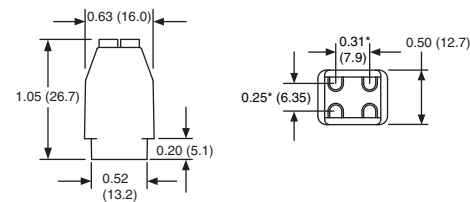
FLG10Q-ME G10Q Socket with 2 Mounting Ears FLG10Q-ME-9TEWN With 9" TEWN Leads



- White thermoplastic body
- Quick connect push-in wire terminals for 18 AWG Solid or Twist & Tin or solder dipped wire, stripped $\frac{1}{16}$ "

- Socket has 2 mounting ears to screw down to panel
- Rated 660W, 600V
- UL Listed & CSA Certified

FLG10Q-FL G10Q Floating Socket FLG10Q-9T With 9" TEWN Leads



- White thermoplastic body
- Floating version of socket
- FLG10Q-FL has push-in wire terminals for 18 AWG solid wire, stripped $\frac{1}{16}$ "

- FLG10Q-9T has 9" TEWN 18 AWG leads attached (2 Blue, 2 Yellow), stripped $\frac{1}{2}$ "

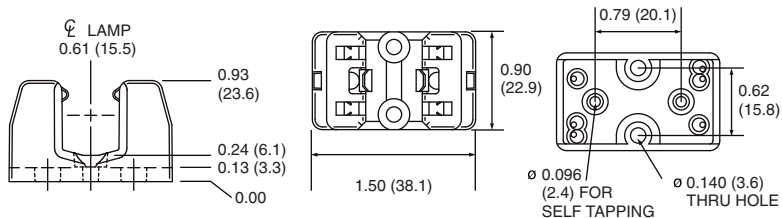
- Rated 660W, 600V
- UL Listed & CSA Certified

Linear Fluorescent

FLUORESCENT CIRCLINE SOCKETS & ACCESSORIES

D28

499 2GX13 Snap/Screw Mount



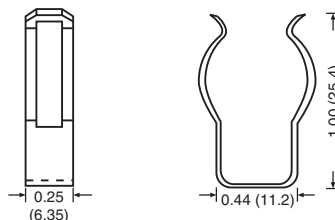
- Available only for Canadian market
- White polycarbonate body, rated 125°C
- For new HO circline lamps

- Quick connect push-in wire terminals for 18 AWG Solid or Bonded copper wire, stripped 7/16"

- Self tapping or through hole mount
- Rated 75W, 600V
- UL Listed & CSA Certified

Linear Fluorescent

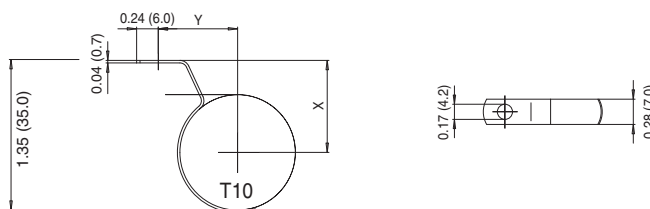
499-Clip for 499 Mount Above



- Available only for Canadian market
- Made from stainless steel

- Holds lamp at proper height
- Screw mounts to panel

Circline Clip



- Minimum required: 3 per lamp
- Clips are nickle-plated steel
- Holds lamp securely in place

- Standard Clip:
X = 1" (25.5 mm)
Y = 0.87" (22 mm)

FLUORESCENT STARTER BASES

FSB Series Starter Bases



FSB-002

- 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
- cCSA_{US} Certified / cUL_{US} Listed

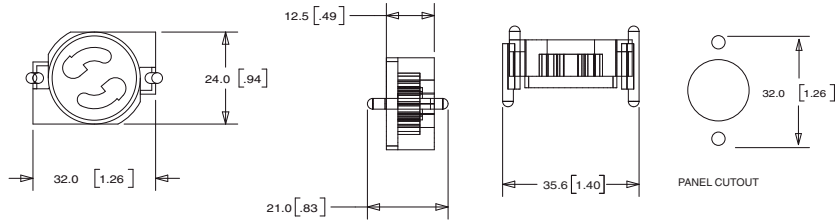
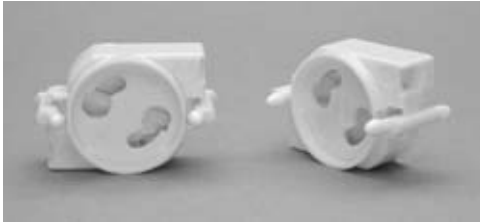
<p>Tall Snap-In Bracket</p> <p>FSB-001</p>	<p>Screw Mount, (2) 0.140 Holes</p> <p>FSB-002</p>
<p>Screw Mount, (2) #6/32 Tapped Holes</p> <p>FSB-003</p>	<p>Tall Bracket, (2) #6/32 Tapped Holes</p> <p>FSB-004</p>
<p>Tall Bracket, (2) 0.140 Holes</p> <p>FSB-005</p>	<p>Flat Bracket, (2) 0.130 Holes</p> <p>FSB-006</p>
<p>Flat Bracket, (2) 0.157 Holes</p> <p>FSB-007</p>	<p>Short Bracket, (2) 0.177 Holes</p> <p>FSB-008</p>
<p>Single Leg Snap-In Bracket</p> <p>FSB-009</p>	<p>Single Leg Snap-In Bracket, #6/32 Tapped Hole</p> <p>FSB-010</p>

Linear Fluorescent

FLUORESCENT STARTERS & STARTER BASES

D30

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
- cCSA_{US} Certified / cUL_{US} Listed

Linear Fluorescent

FS Series Starters



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

Metal Case	Plastic Case	For Use With:
FS-2M	FS-2P	14, 15, 20W Linear Lamps
FS-4M	FS-4P	13, 30, 40W Linear Lamps
FS-5M	FS-5P	4, 5, 6, 8W Linear Lamps
FS-12M	FS-12P	32W Circline Lamps
FS-25M	FS-25P	22, 25W Circline Lamps

FLUORESCENT LAMP CLIPS

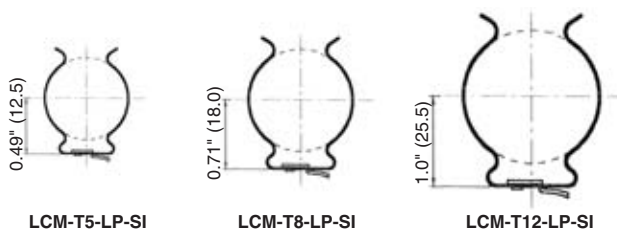
D31

LCM-T5-LP-SI
LCM-T8-LP-SI
LCM-T12-LP-SI

Metal Snap-In Support Clip

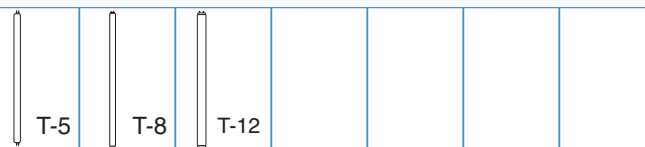


- Snap-In Clip for T5/T8/T12 Lamp
- Made of nickel-plated steel
- Mounts into 0.314" (8 mm) hole

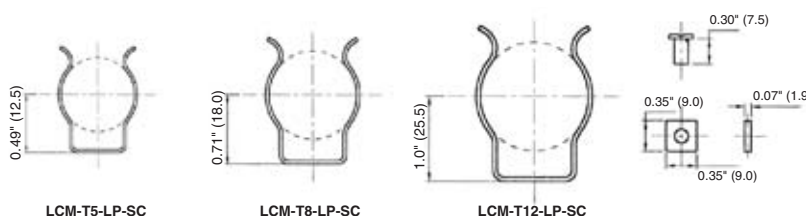


LCM-T5-LP-SC
LCM-T8-LP-SC
LCM-T12-LP-SC

Metal Screw-In Support Clip



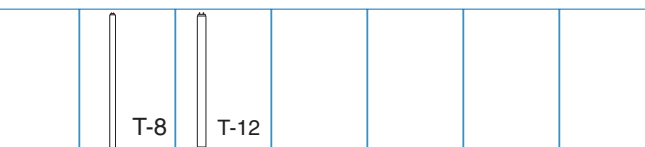
- Screw Mount Clip for T5/T8/T12 Lamp
- Made of nickel-plated steel
- Mounts into 0.157" (4 mm) hole



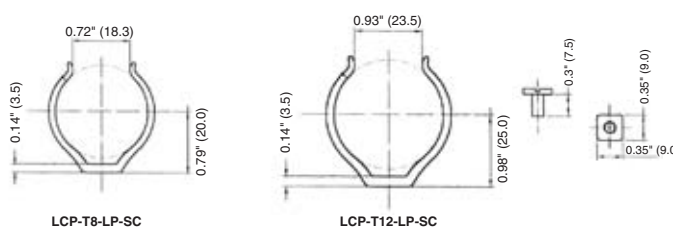
*For clip with captive nut, replace suffix 'SC' with 'SN'

LCP-T8-LP-SC
LCP-T12-LP-SC

Plastic Screw-In Support Clip



- Screw Mount Clip 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'

Linear Fluorescent

FLUORESCENT LAMPHOLDER ACCESSORIES

D32

TL-1 Tube Locks



- 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

Linear Fluorescent

Tube Protectors



FOR LAMP	END CAP TYPE	CLEAR TUBE T8 LAMPS	UV FILTERING TUBE T8 LAMPS
F40T12	PAL C	40T12C	40T12CUV
F48T12	PAL C	48T12C	48T12CUV
F72T12	PAL C	72T12C	72T12CUV
F96T12	PAL C	96T12C	96T12CUV
F96T12HO	PAL C	96T12HOC	96T12HOCUV
F96T12VHO	PAL C	96T12VHOC	96T12VHOCUV

FOR LAMP	END CAP TYPE	CLEAR TUBE T8 LAMPS	UV FILTERING TUBE T8 LAMPS
F15T8	PAL T8	18T8C	18T8CUV
F25T8	PAL T8	36T8C	36T8CUV
F32T8	PAL T8	40T8C	40T8CUV
F96T8	PAL T8	96T8C	96T8CUV

- Provides full protection from lamp breakage or shattering by retaining the glass fragments and phosphors
- Made from high strength extruded Polycarbonate

Warning:

USE ONLY ON T8 LAMPS UNDER THE FOLLOWING CONDITIONS:

1. The T8 lamps are used with an electronic ballast that has end of life shutdown to prevent the overheating of lamps at the end of life.
2. T8 lamps that are operated using a magnetic ballast.

WE DO NOT RECOMMEND USING PROTECTIVE SLEEVES ON T8 LAMPS UNDER ANY OTHER CONDITIONS.