ETLIN-DANIELS
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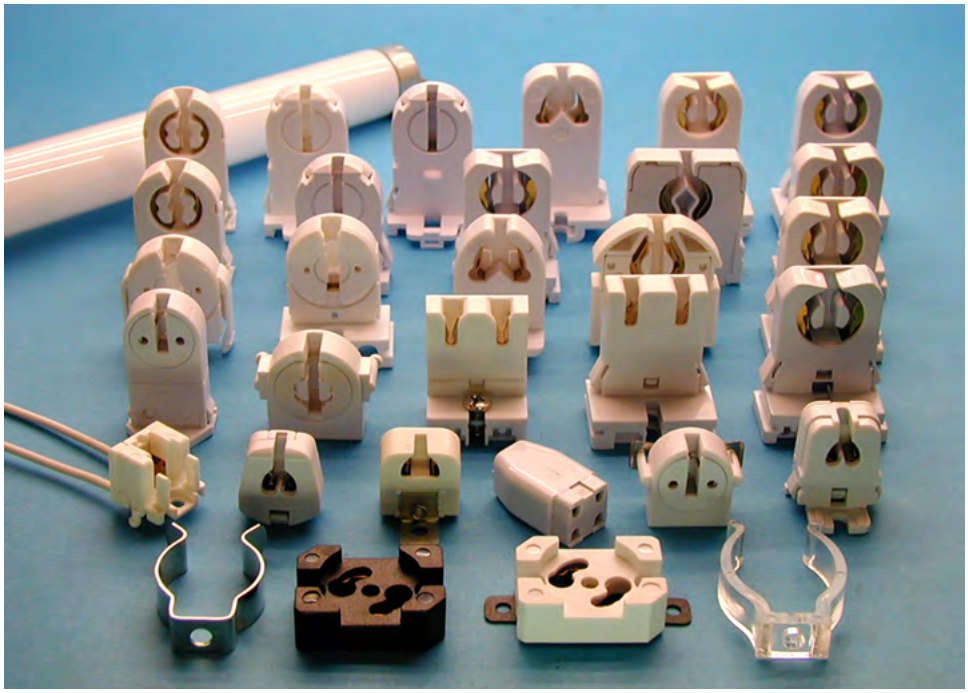
SECTION D
LINEAR FLUORESCENT LAMPHOLDERS



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
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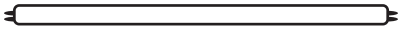
FLUORESCENT LAMP SHAPES & LAMP BASES

FLUORESCENT LAMP SHAPES

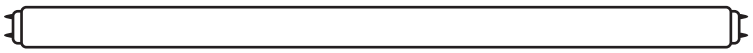


T-5 Miniature Bipin

T-6 Single Pin Slimline

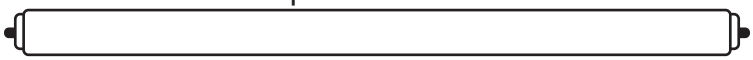
T-8 Medium Bipin

T-8 Single Pin Slimline



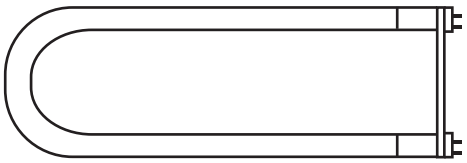
T-10 Medium Bipin

T-12 Medium Bipin

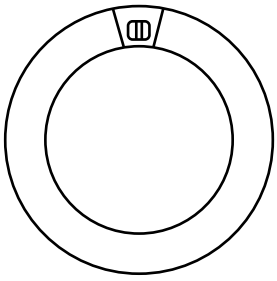


T-12 Single Pin Slimline

T-12 Recessed Double Contact

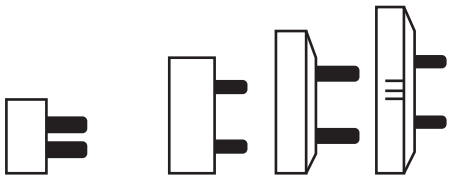


T-8/T-12 Medium Bipin U-Bent



T-9/T-10 4-Pin Circline

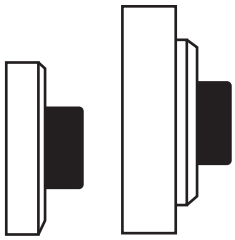
FLUORESCENT LAMP BASES



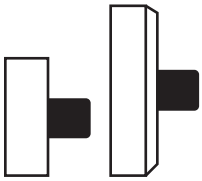
T-5 Miniature Bipin (G5)

T-8, Medium Bipin

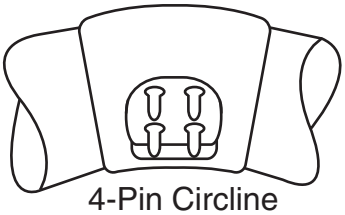
T-10, T-12 (G13)



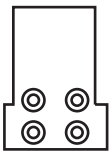
T-10, T-12 Recessed Double Contact (R17d)



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



4-Pin Circline (G10Q)

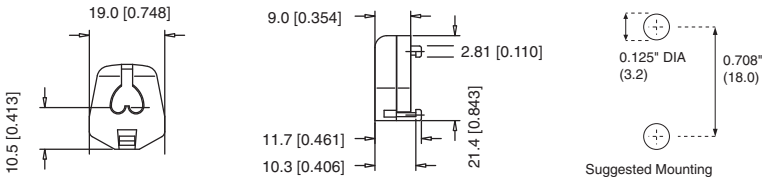


2D 4-Pin (2G13)

FLUORESCENT SOCKET
MINIATURE BI-PIN T-5 LAMPHOLDERS

FL261 T-5 Snap-In Mount

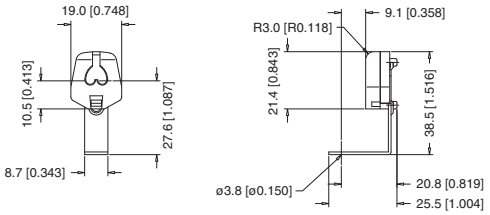
T-5 G5



- 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 120W, 600V
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

FL261-A T-5 Screw Mount

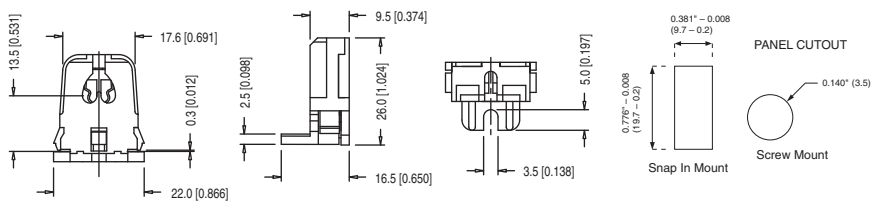
T-5 G5



- 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 120W, 600V
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

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

T-5 G5



- 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 120W, 600V
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

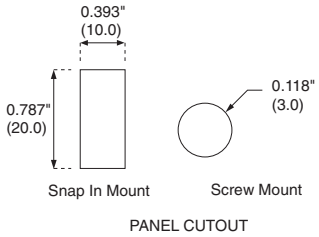
***ADD suffix "S" to part number for shunted version**

FLUORESCENT SOCKET
MINIATURE BI-PIN T-5 LAMPHOLDERS

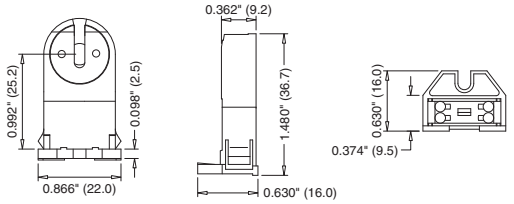
FL621 Series
T-5 Tall Profile, Rotary Lock, Snap-In Screw Mount

T-5 G5

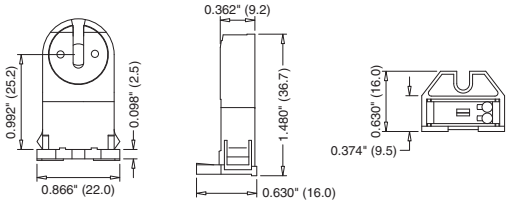
- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Snap-in mount or screw mount to panel
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5⁄16"
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Snap-in mounts into a 0.023" – 0.040" (0.6 mm to 1.0 mm) panel thickness
- Rated 120W, 600V; suitable for HO lamps
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed



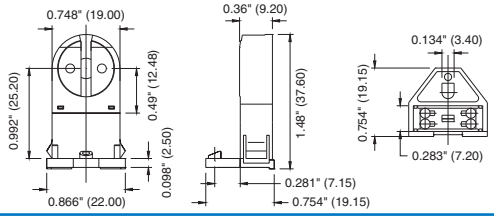
FL621
Snap-In,
Screw Mount



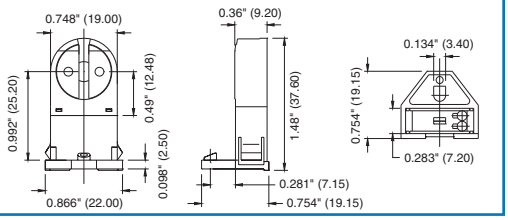
FL621-S
Snap-In,
Screw Mount,
Shunted



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



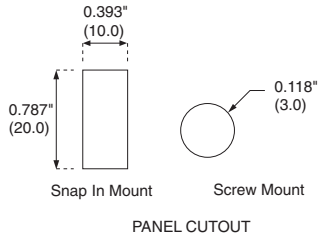
FL621-SN
Snap-In,
Screw Mount,
Shunted,
Locating Nib



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

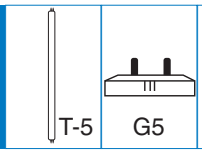
T-5 G5

- 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 120W, 600V; suitable for HO lamps
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

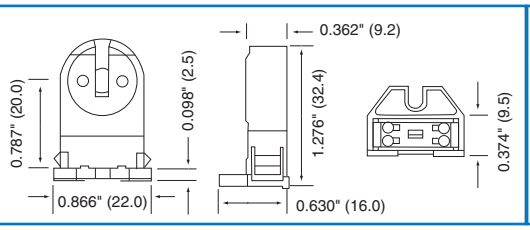


FLUORESCENT SOCKET
MINIATURE BI-PIN T-5 LAMPHOLDERS

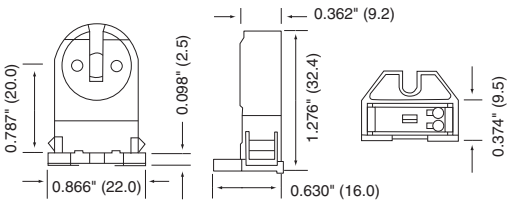
FL622 Series
T-5 Medium / Short Profile, Rotary Lock, Snap-In, Screw Mount



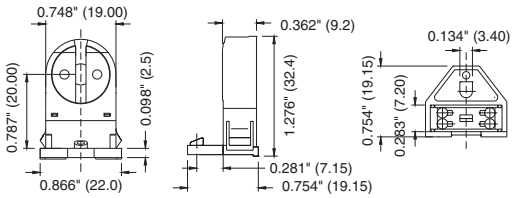
FL622
Snap-In,
Screw Mount



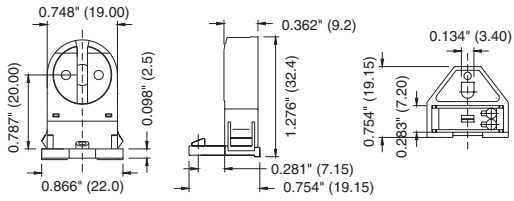
FL622-S
Snap-In,
Screw Mount,
Shunted



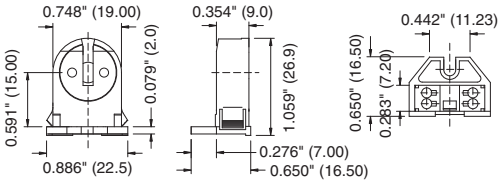
FL622-N
Snap-In,
Screw Mount,
Locating Nib



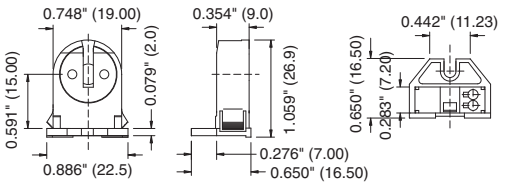
FL622-SN
Snap-In,
Screw Mount,
Shunted,
Locating Nib



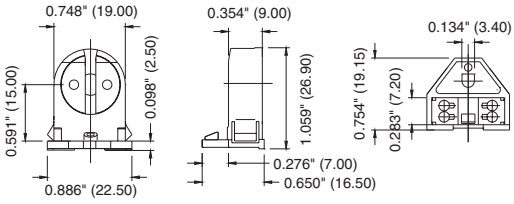
FL622-L
Snap-In,
Screw Mount,
Short Body



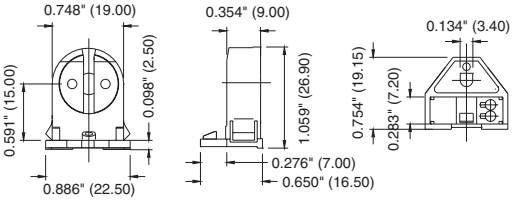
FL622-LS
Snap-In,
Screw Mount,
Short Body,
Shunted



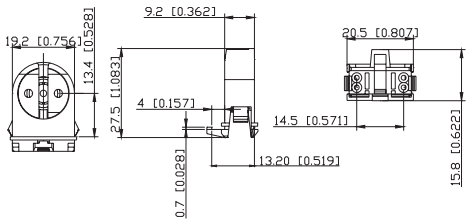
FL622-LN
Snap-In,
Screw Mount,
Short Body,
Locating Nib



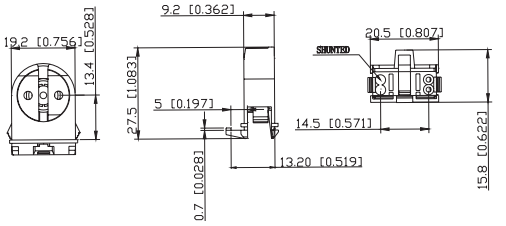
FL622-LSN
Snap-In,
Screw Mount,
Short Body,
Shunted,
Locating Nib



FL622L-BSI
T-5 Medium,
Short Profile,
Rotary Lock,
Bottom Snap-In



FL622L-BSI-S
T-5 Medium,
Short Profile,
Rotary Lock,
Bottom Snap-In
Shunted

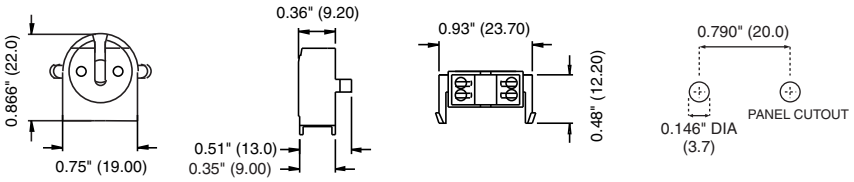


FOR MORE INFORMATION CALL
1-800-661-9610 (Canada) **1-888-762-5384** (USA)

FLUORESCENT SOCKET
MINIATURE BI-PIN T-5 LAMPHOLDERS

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

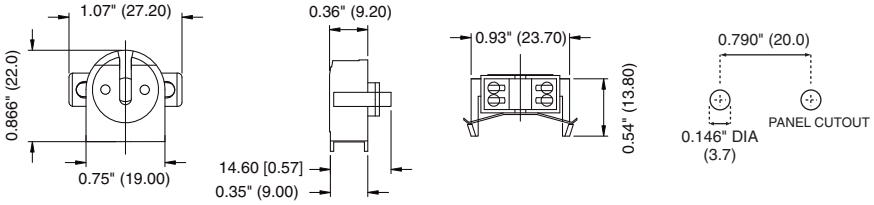
T-5 G5



- 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 120W, 600V; suitable for HO lamps
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

FL641-SP / FL641-SP-S — Rotary Lock, Rear Snap-In Mount With Spring Plate, Shunted Version

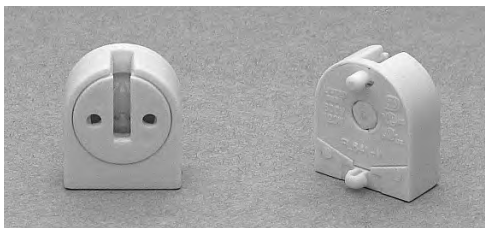
T-5 G5

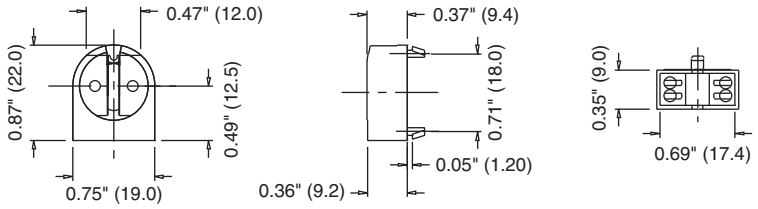


- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Spring plate allows for 0.08" (2 mm) lamp length tolerance
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5⁄16"
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Horizontal mounting pins
- For 0.023" – 0.040" (0.6 mm to 1.0 mm) panel thickness
- Rated 120W, 600V; suitable for HO lamps
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

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

T-5 G5



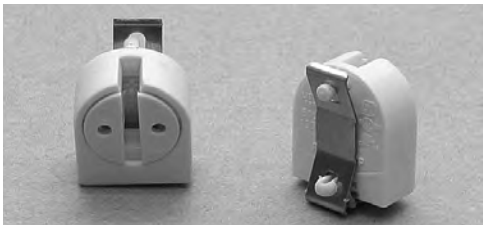


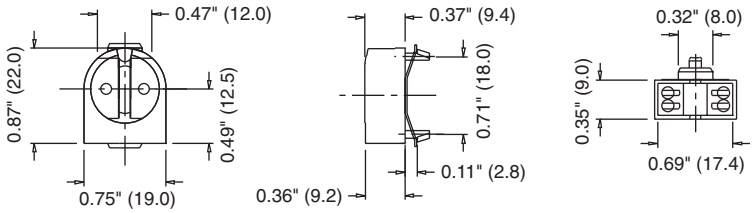
- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5⁄16"
- Vertical mounting pins snap in to panel for fast and easy installation
- For 0.023" – 0.040" (0.6 mm to 1.0 mm) panel thickness
- Rated 120W, 600V; suitable for HO lamps
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

FLUORESCENT SOCKET
MINIATURE BI-PIN T-5 LAMPHOLDERS

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

T-5 G5

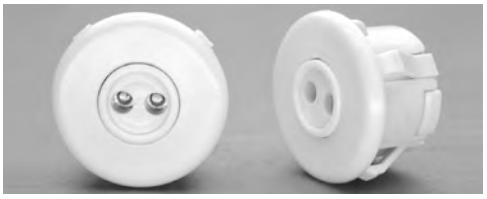


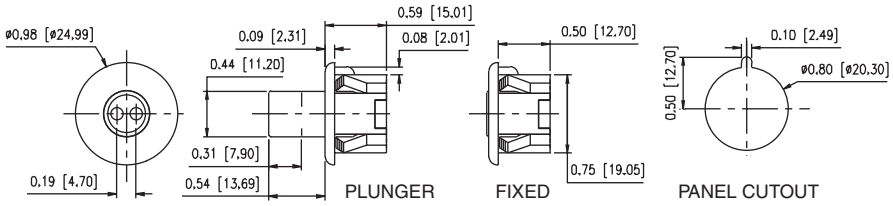


- Made from polycarbonate, rated 110°C
- Locking rotor design for maximum lamp retention
- Spring plate allows for 0.08" (2 mm) lamp length tolerance
- Quick connect push-in wire terminals for 18 AWG solid wire, stripped 5/16"
- Twin wireways for easy harness wiring.
- Wires from bottom of lampholder
- Vertical mounting pins
- For 0.023" – 0.040" (0.6 mm to 1.0 mm) panel thickness
- Rated 75W, 600V; suitable for HO lamps
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

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

T-5 G5

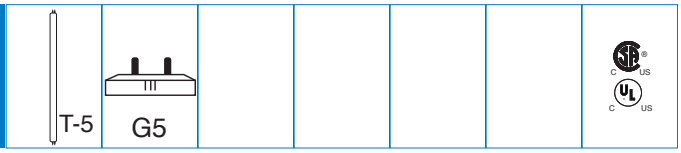


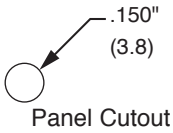


- Made of Polycarbonate
- For regular and HO T5 lamps
- Flexible snap-in wings for quick, easy insertion into panel
- Quick connect push-in wire terminals accept 18 AWG solid or solder dipped leads, stripped 3/8"
- Horizontal Bi-Pin Contact
- Two wire ports per terminal to speed harness wiring
- Rated 120W, 600V on Spring End
- $_{c}CSA_{us}$ Certified/$_{c}UL_{us}$ Pending

FLUORESCENT LAMPHOLDERS
MINIATURE BI-PIN T-5 LAMPHOLDERS

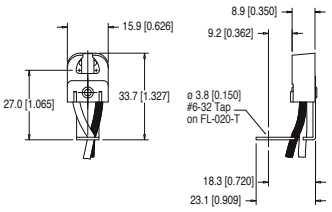
FL020 Series



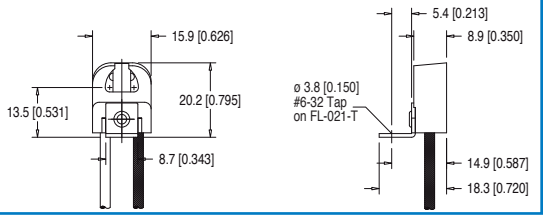


- White polycarbonate body, rated 110°C
- Double edge contacts hold lamp securely
- Ideal for mirror cases and display lighting
- Two wire ports per terminal for easy harness wiring
- Models FL020, FL020-T; FL021, FL021-T; FL022, FL022-T; FL023, and FL023-T have 9" 18 AWG TEWN solid wires attached, stripped ½"
- 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 120W, 600V
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

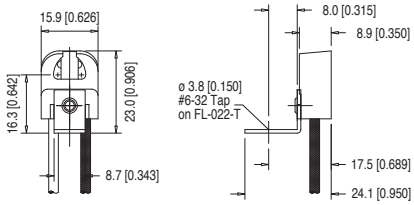
FL020 & FL020-T



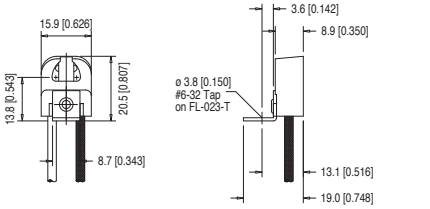
FL021 & FL021-T



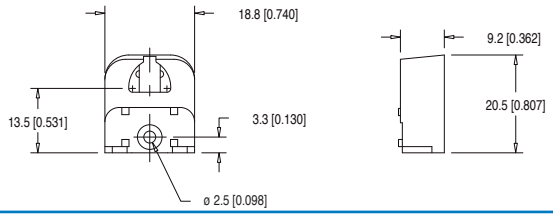
FL022 & FL022-T



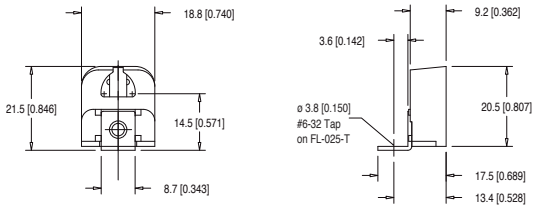
FL023 & FL023-T



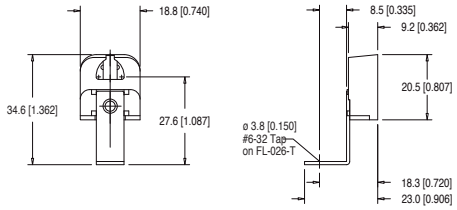
FL024



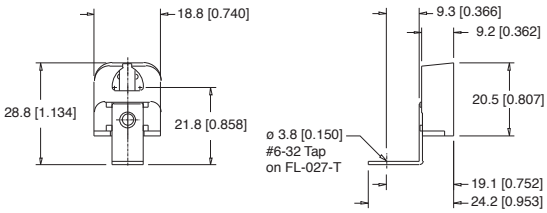
FL025 & FL025-T



FL026 & FL026-T



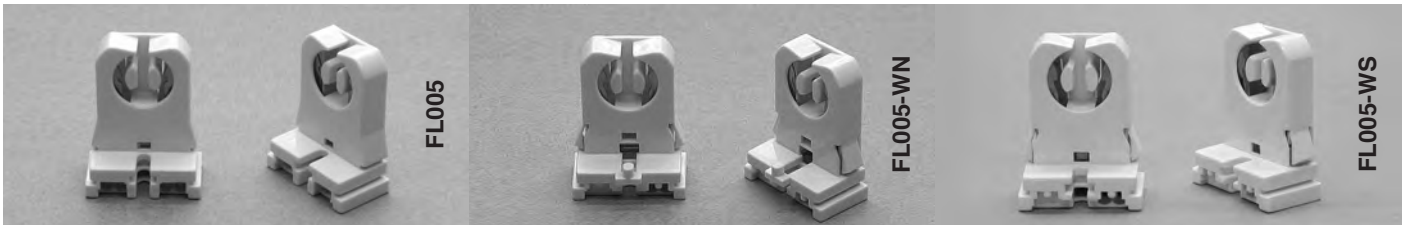
FL027 & FL027-T



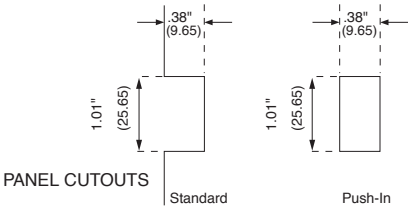
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

FL005 Series - Low Profile Turn Type Lampholders

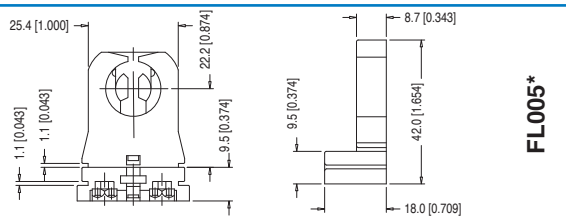
T-8 | T-12 | G13



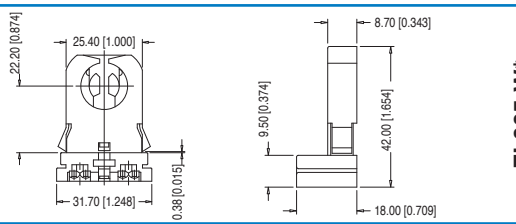
- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5⁄64"
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed



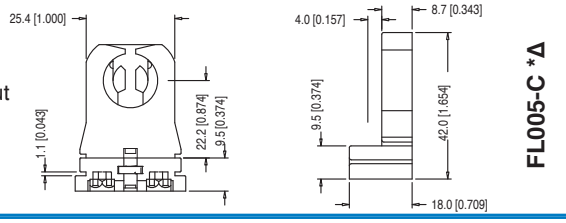
Solid Shoulder, Standard Profile — FL005*



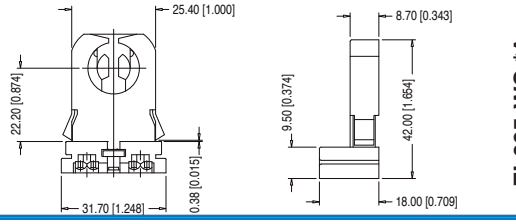
Flexible Snap-In Shoulder — FL005-W*



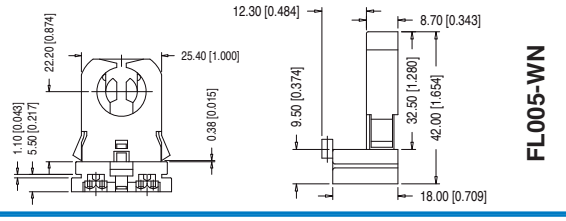
Solid Shoulder, Captive Nut — FL005-C *Δ



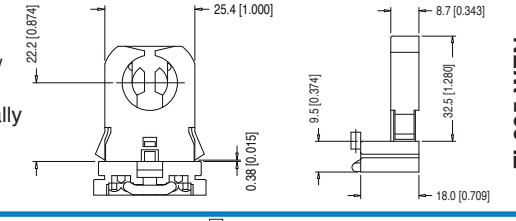
Flexible Snap-In Shoulder, Captive Nut — FL005-WC *Δ



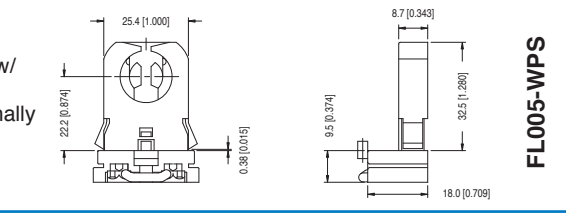
Snap-In Shoulder, With Locating Nib — FL005-WN



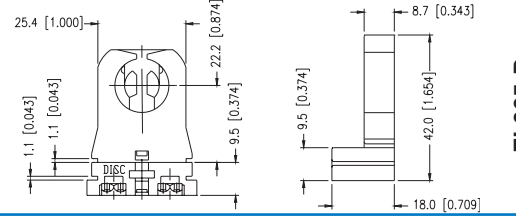
Snap-In Shoulder, w/ Locating Nib, Externally Shunted — FL005-WEN



Snap-In Shoulder, w/ Locating Nib, Externally Shunted — FL005-WPS



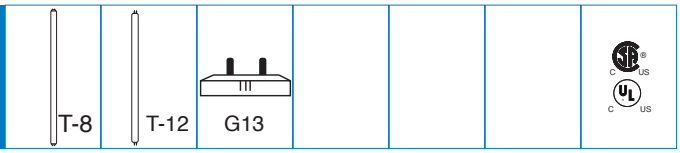
Disconnect version — FL005-D



*** 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.

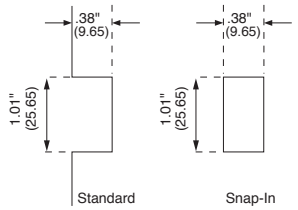
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

FL006-L Series — Low Profile T-8/T-12 Lampholders

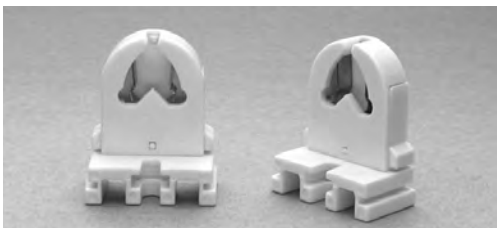


- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5/64"
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Available shunted for use with instant start electronic ballasts; saves time and makes wiring easier
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

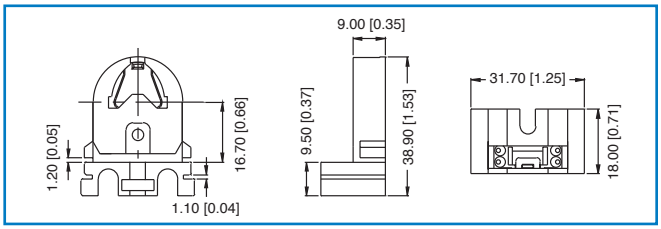
PANEL CUTOUTS



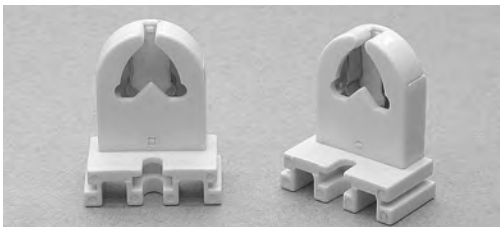
FL006-L *Δ



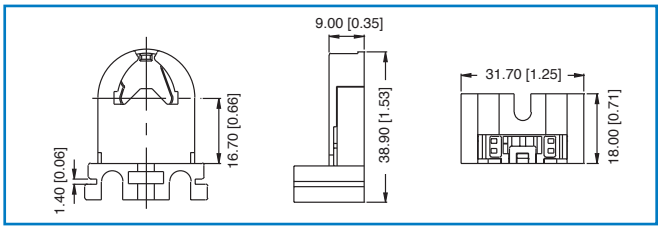
Snap in or Slot on mount, 18 or 20 ga. panel



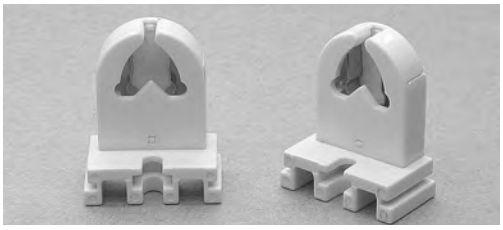
FL006-LX *Δ



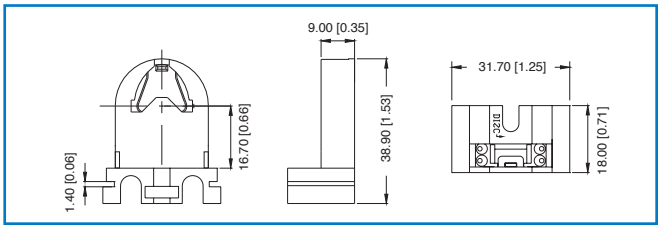
Slot on mount, 1-18 ga. panel



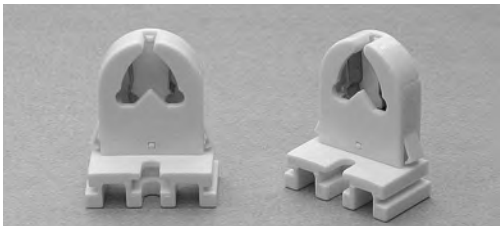
FL006-LXD Δ



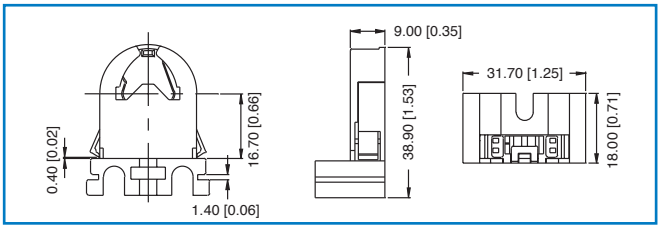
Disconnect type, Slot on mount, 1-18 ga. panel



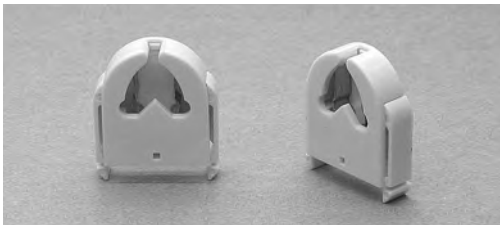
FL006-LW *Δ



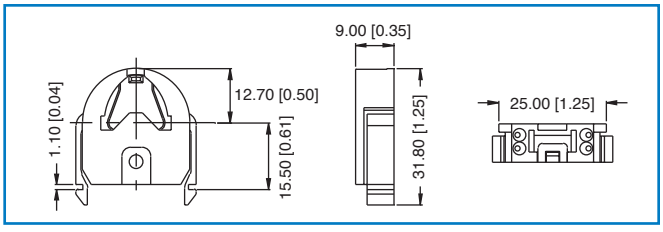
Slot on or snap in, winged



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

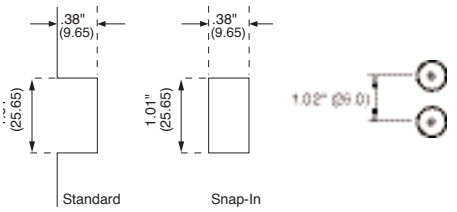
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

FL006-L Series Low Profile continued

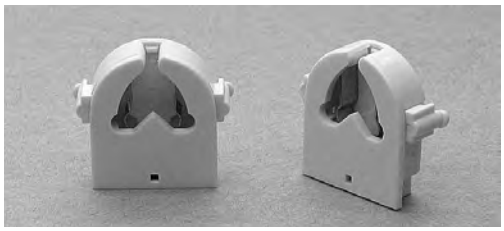
T-8 | T-12 | G13

- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5/64"
- 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
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

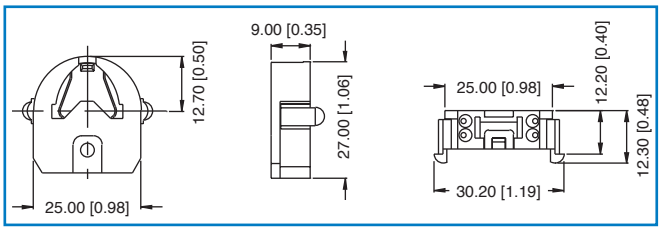
PANEL CUTOUTS



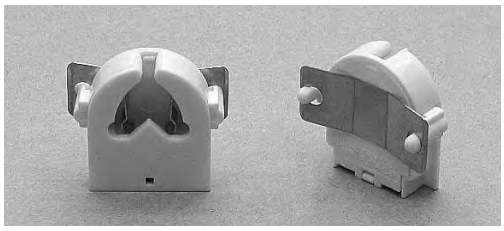
FL006-LSI *



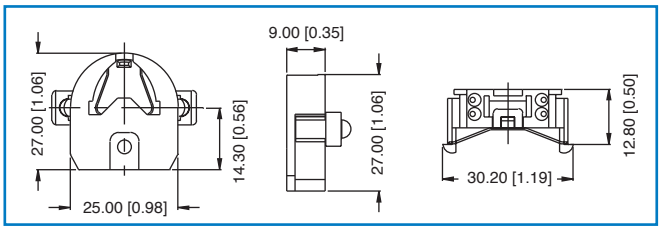
Rear snap in, horizontal pins



FL006-LSP *

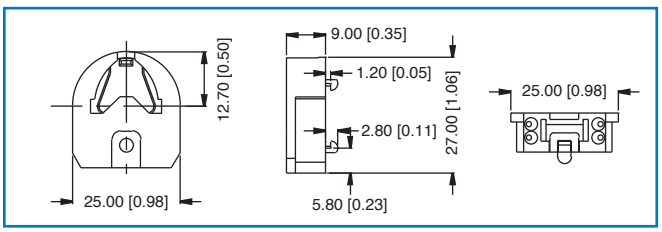


Rear snap in, horizontal pin with spring plate



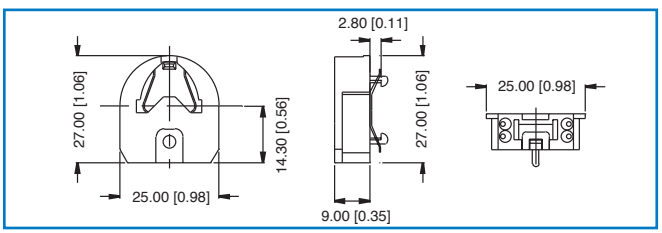
FL006-LVSI *

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

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

FL006-L Series Low Profile continued

T-8 | T-12 | G13

- White polycarbonate body, rated 110°C
- Turn lock type, low profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5⁄64"
- 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
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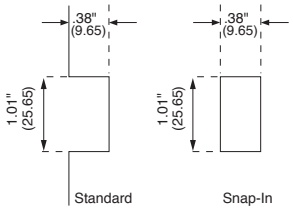
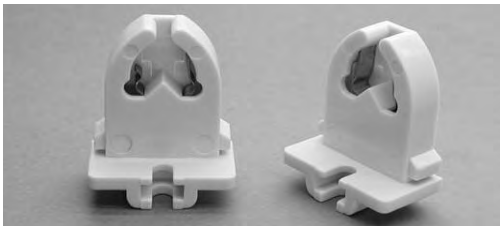
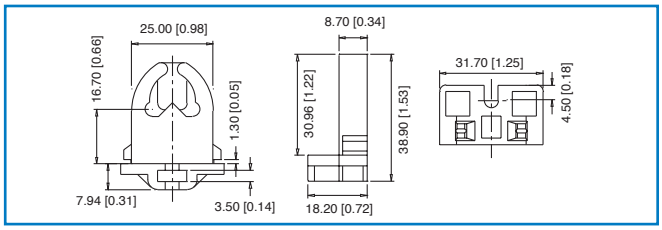
PANEL CUTOUTS



FL006-LB *Δ

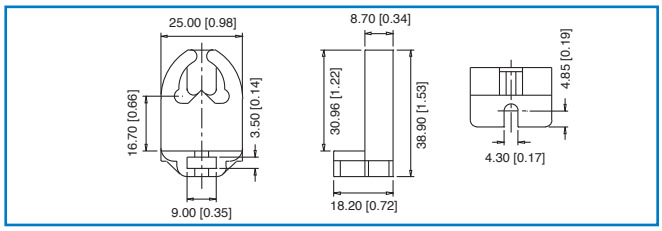


Slot on mount,
18 ga. panel

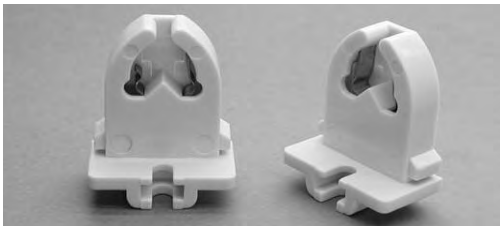


FL006-LBX *Δ

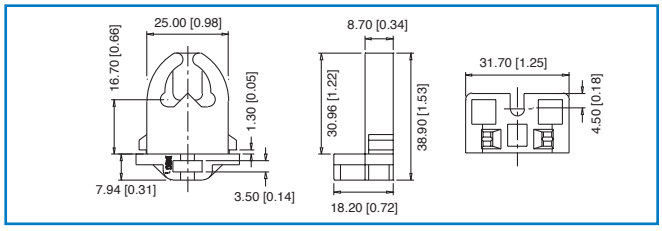
No shoulders,
Nut slot



FL006-LBD Δ

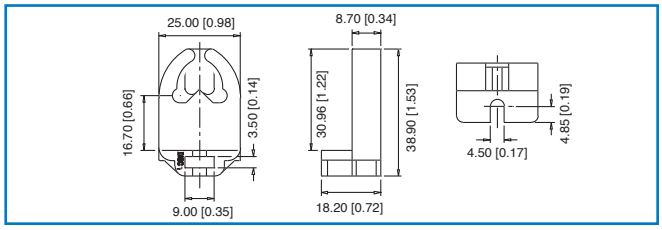


Disconnect type,
Slot on mount,
18 ga. panel



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

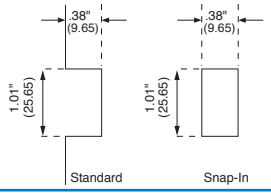
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

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

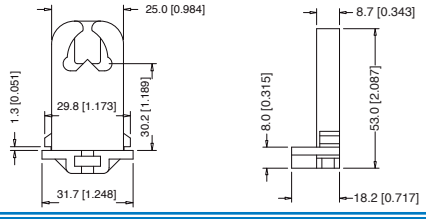
T-8 | T-12 | G13

- 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 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
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

PANEL CUTOUTS

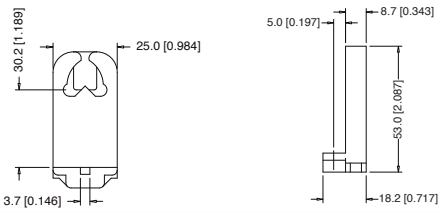


Solid shoulder, Nut Slot, Slot Mount, 18 ga. panel



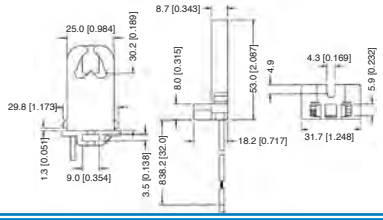
FL006 *Δ

Flush sides, Mounts using self threading screw



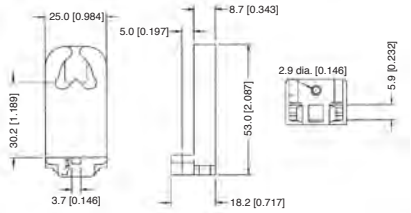
FL006-A *

Solid shoulder, Disconnect type with 32" lead wire attached, Slot on mount, 18 ga. panel



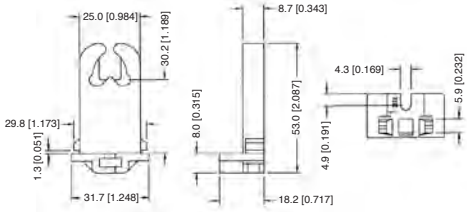
FL006-A-D32 *Δ

Flush sides, Disconnect type, Mounts using self threading screw



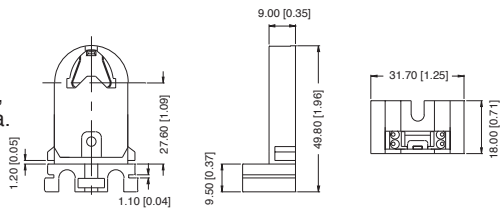
FL006-AX-D *

Solid shoulder, Disconnect type, Slot on mount, 18 ga. panel



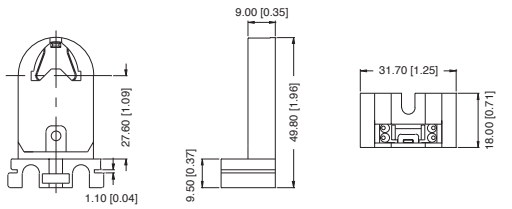
FL006-D *Δ

Solid shoulder, Slot mount, 18 or 20 ga. panel



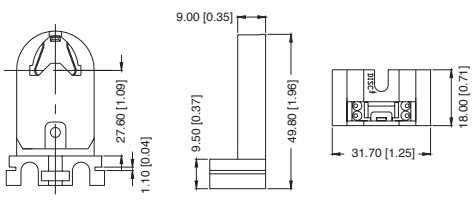
FL006-H *Δ

Slot on mount, 1 slot for 20 ga. panel



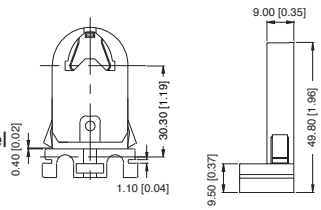
FL006-HX *Δ

Slot on mount for 20 ga. panel, Disconnect



FL006-HXD

Flexible wing, Snap in or slot on mount for 20 ga. panel



FL006-W *Δ

*** 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

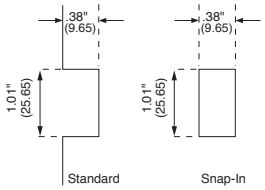
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

FL006 Series Continued

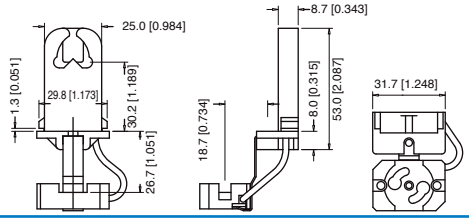
T-8 | T-12 | G13

- 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
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

PANEL CUTOUTS

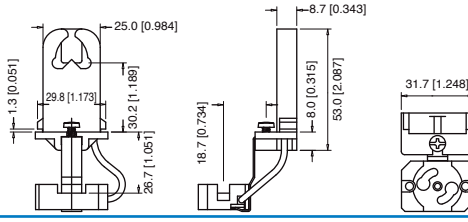


Solid shoulder, with Starter Base Holder, Slot mount, 18 ga. panel



FL006/ FSB009

Solid shoulder, with Starter Base Holder, Slot mount



FL006/ FSB010

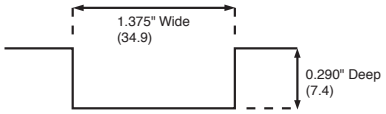
Add "-S" after product code for internal shunted version

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

FL007 Series - Butt-On Lampholders

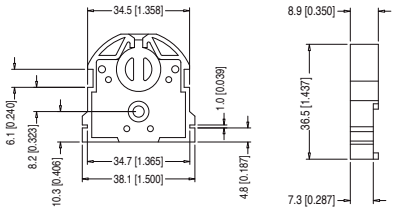
T-8 | T-12 | G13

- 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 5⁄64"; 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
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

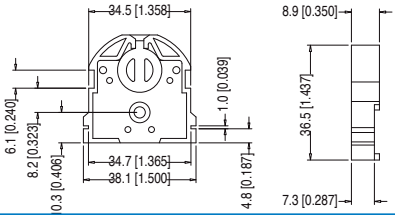


PANEL CUTOUT
FOR SLOT ON MODELS

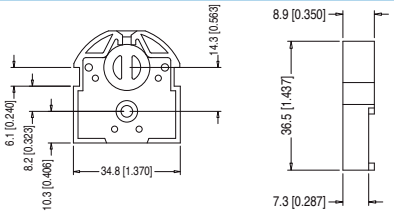
Butt-On Side Slots — FL007



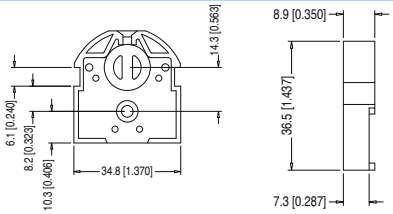
Butt-On Shunted, Side Slots — FL007-S



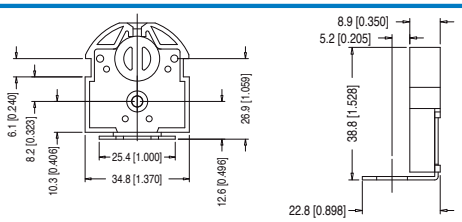
Butt-On Centre Hole, Screw Mount — FL007-A



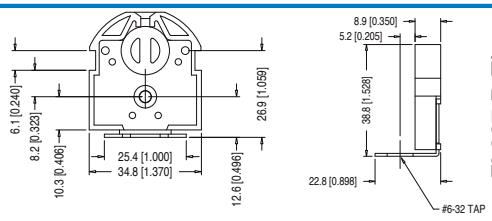
Butt-On Shunted, Centre Hole, Screw Mount — FL007-A-S



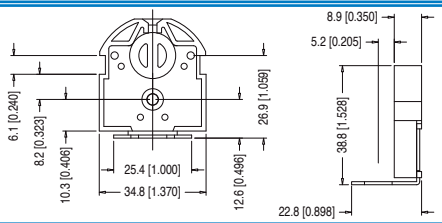
Butt-On Mounting Bracket, 0.150" Clearance Hole — FL007-B



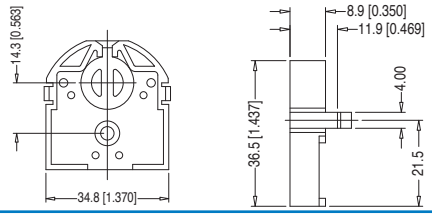
Butt-On Mounting Bracket, #6/32 Hole — FL007-B-T*



Butt-On Mounting Bracket, With Captive Nut & Screw — FL007-B-TC



Butt-On Shunted, Snap-In Mount — FL007-A-SPI



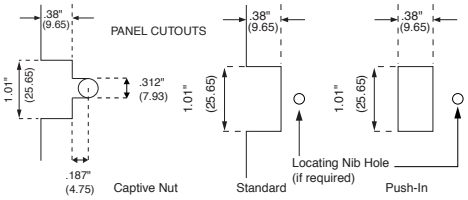
***Add "-S" after product code for internal shunted version**

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

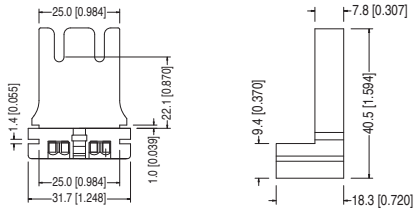
FL010 Series

T-8 | T-12 | G13

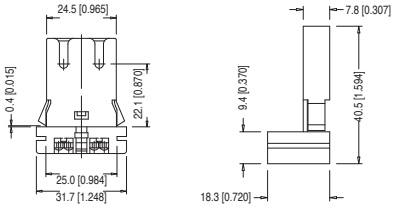
- White polycarbonate body, rated 110°C
- Straight-in and "U" lamp applications, self aligning for "U" shaped lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/64"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Many models to choose from
- Available shunted for use with instant 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
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed



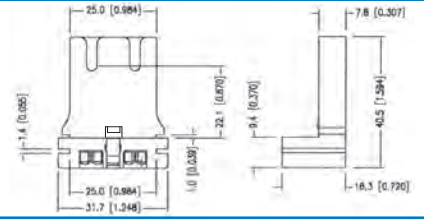
Solid Shoulder Low Profile — **FL010**



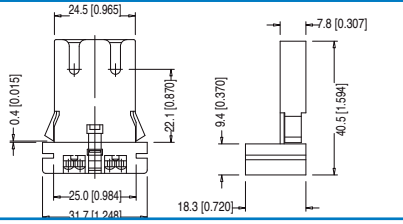
Flexible Snap-In Shoulder — **FL010-W**



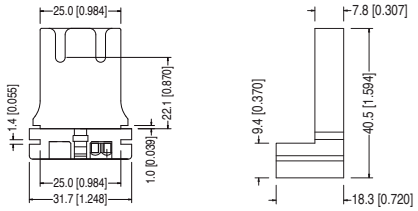
Solid Shoulder Captive Nut — **FL010-C**



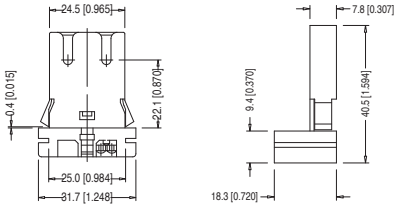
Flexible Snap-In Shoulder, With Captive Nut — **FL010-WC**



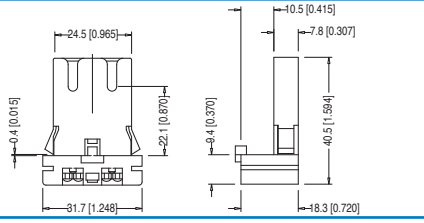
Solid Shoulder Shunted — **FL010-S**



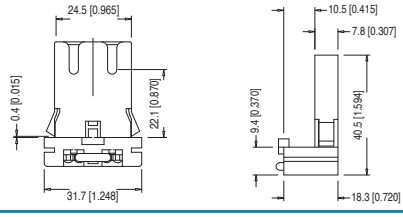
Flexible Snap-In Shoulder Shunted — **FL010-WS**



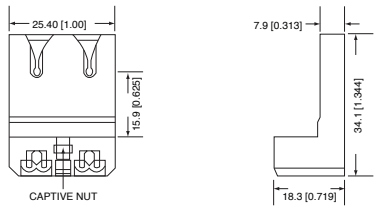
Flexible Shoulder With Locating Nib — **FL010-WN**



Flexible Shoulder With Locating Nib Externally Shunted — **FL010-WEN**



Low profile Captive Nut no shoulder — **FL010X-CN**



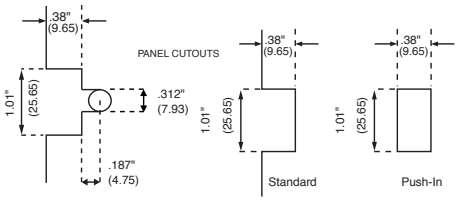
FOR MORE INFORMATION CALL
1-800-661-9610 (Canada) **1-888-762-5384** (USA)

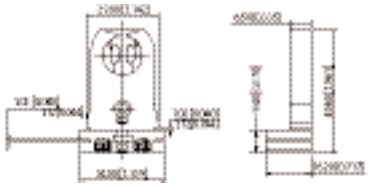
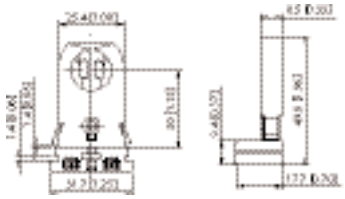
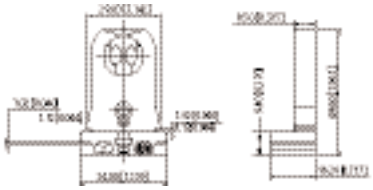
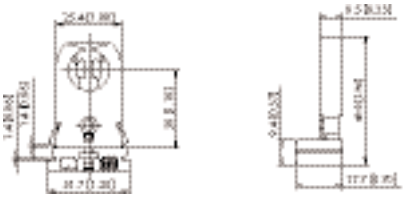
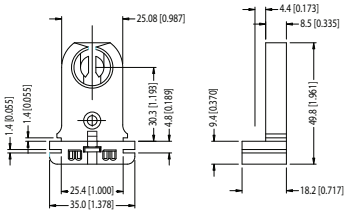
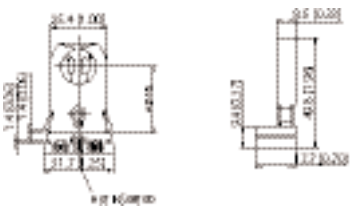
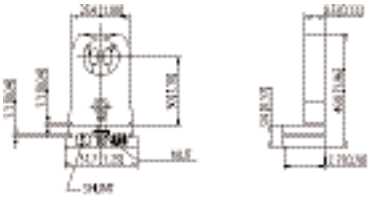
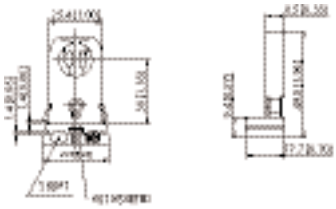
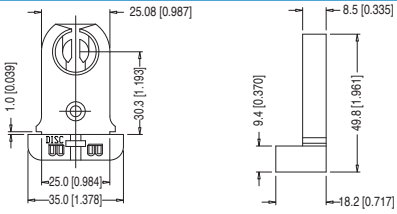
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

FL011 Series

T-8 | T-12 | G13

- White polycarbonate body, rated 110°C
- Turn lock, tall profile
- Quick connect push-in wire terminals for 18 AWG solid wire 5/64"
- 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
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed



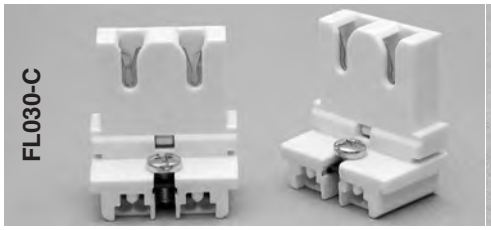
Solid Shoulder Tall Profile		FL011
Flexible Snap-In Shoulder		FL011-W
Solid Shoulder Shunted		FL011-S
Flexible Snap-In Shoulder Shunted		FL011-WS
Solid Shoulder Captive Nut		FL011-C
Flexible Snap-In Shoulder Captive Nut		FL011-WC
Solid Shoulder Shunted, Captive Nut		FL011-SC
Flexible Snap-In Shoulder Shunted, Captive Nut		FL011-WSC
Solid Shoulder Disconnect		FL011-D

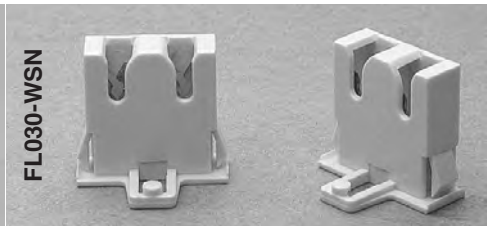
Screws are packed separately. Also available assembled, add Suffix "-A" after part number.

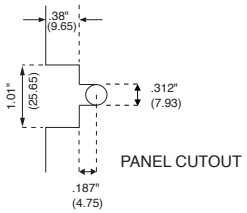
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

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

T-8 G13

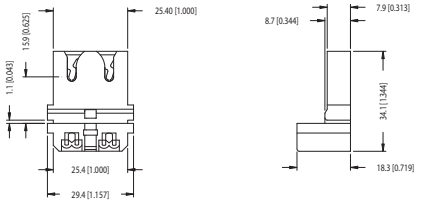






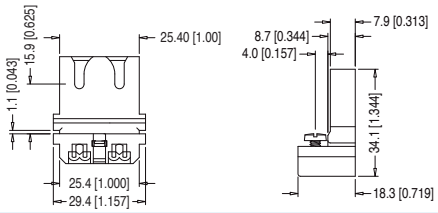
- White polycarbonate body, rated 110°C
- For T8 lamps
- Straight-in or “U” lamp insertion
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- Two wire ports per terminal for easy harness wiring; wires from bottom of lampholder
- Available internally shunted
- Rated 660W, 600V, suitable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

Solid shoulders
Slot mount



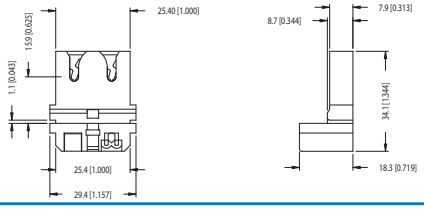
FL030

Solid shoulders
Captive Nut
Slot mount



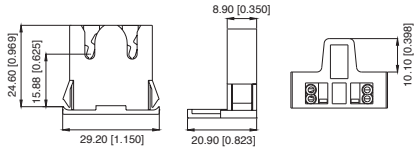
FL030-C

Solid shoulders
Slot mount
shunted



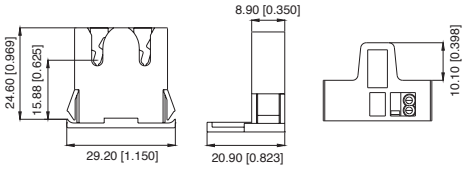
FL030-S

Flexible snap-in
shoulders



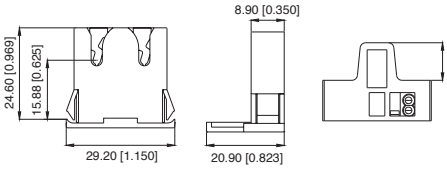
FL030-W

Flexible snap-in shoulders, shunted.



FL030-WS

Flexible snap-in shoulders, shunted with locating nib.



FL030-WSN

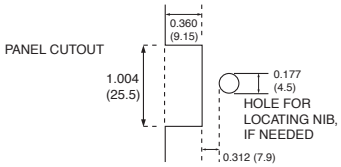
Add “-S” after product code for internal shunted version
Also available assembled, add suffix “-A” after part number

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

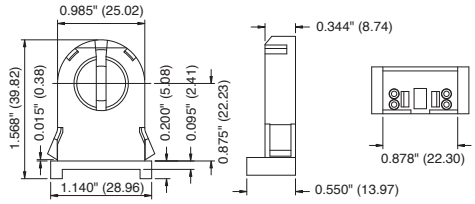
FL200 Series
Low Profile, Rotary Lock, T-8/T12

T-8 | T-12 | G13

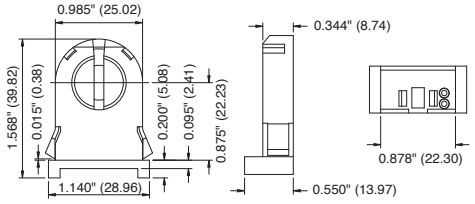
- White polycarbonate body, rated 110°C
- Rotary type lock, low profile for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/64"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed



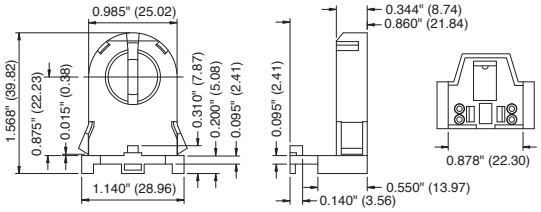
FL200
Flexible
Snap-In
Shoulder



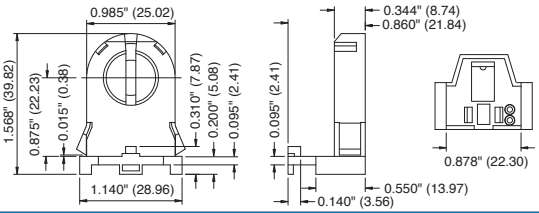
FL200-S
Flexible
Shoulder,
Shunted



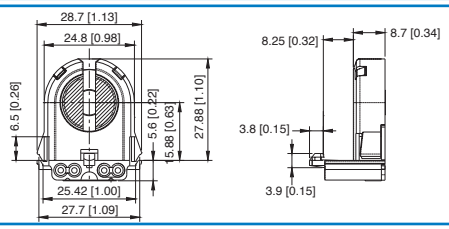
FL200-N
Flexible
Snap-In
Shoulder,
Locating Nib



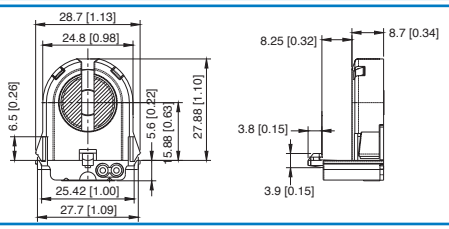
FL200-SN
Flexible
Shoulder
Shunted,
Locating Nib



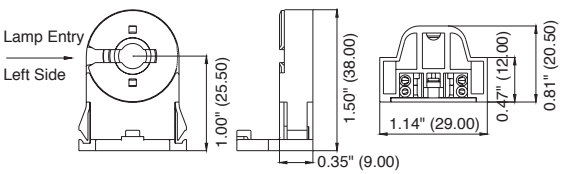
FL200-L
Flexible snap
in shoulder,
locating nib,
low profile



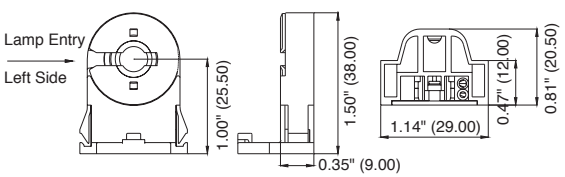
FL200-LS
Flexible snap
in shoulder,
locating nib,
low profile,
shunted



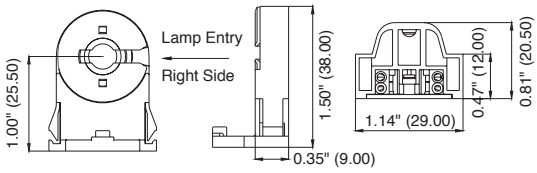
FL200-EL
Flexible
snap-in
shoulder,
lamp entry
left.



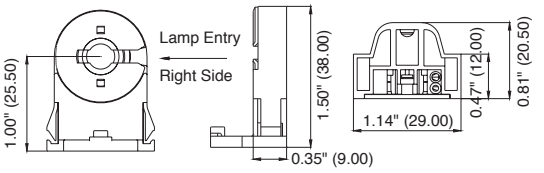
FL200-ELS
Flexible
snap-in
shoulder,
lamp entry
left, shunted



FL200-ER
Flexible snap-
in shoulder,
lamp entry
right.



FL200-ERS
Flexible snap-
in shoulder,
lamp entry
right, shunted

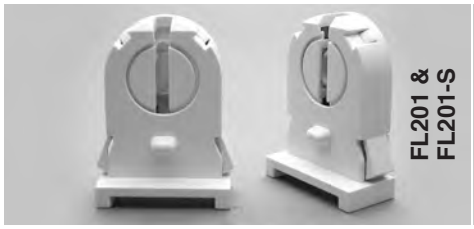


Add "-S" after product code for internal shunted version
Also available assembled, add suffix "-A" after part number

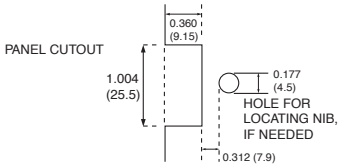
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

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

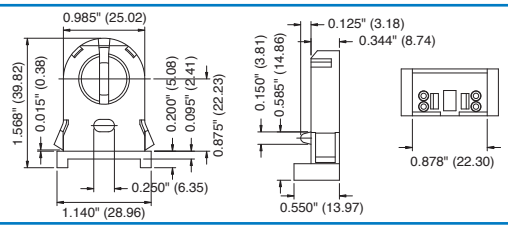
T-8 | T-12 | G13



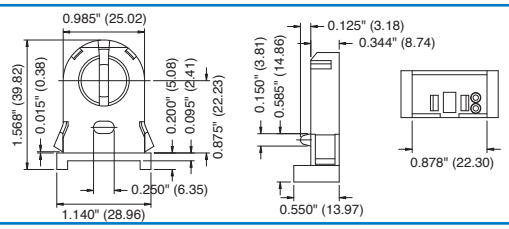
- White polycarbonate body, rated 110°C
- Rotary type lock, low profile for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5⁄64"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed



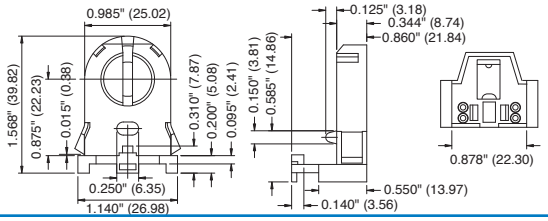
FL201
Flexible
Snap-In
Shoulder,
T-8 Only



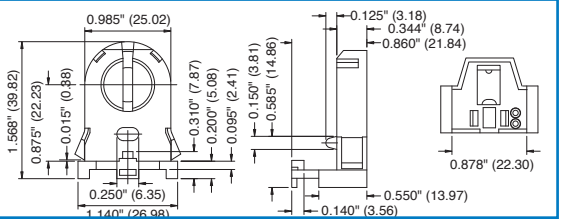
FL201-S
Flexible
Shoulder,
Shunted,
T-8 Only



FL201-N
Flexible
Snap-In
Shoulder,
T-8 Only,
Locating Nib



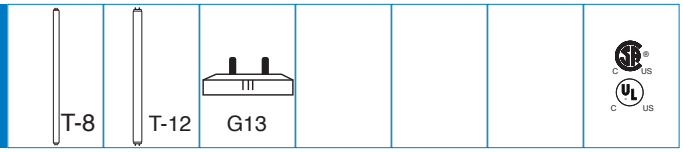
FL201-SN
Flexible
Shoulder,
Shunted,
T-8 Only,
Locating Nib



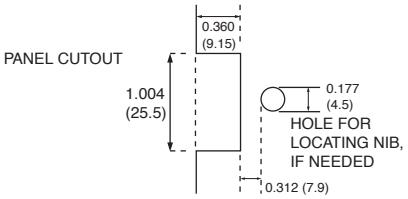
Add "-S" after product code for internal shunted version
Also available assembled, add suffix "-A" after part number

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

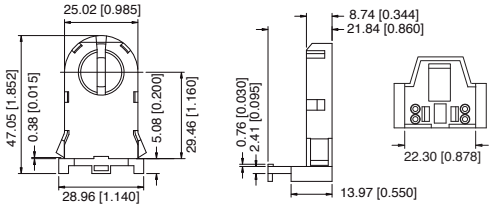
FL202 Series Tall Profile, Rotary Lock
FL203 Series Tall Profile, Rotary Lock, T-8 Only



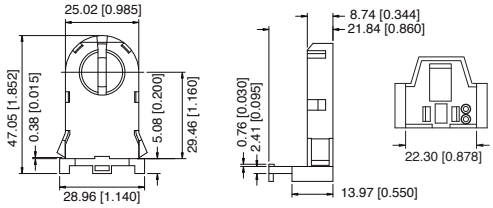
- White polycarbonate body, rated 110°C
- Rotary type lock, tall profile for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/64"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed



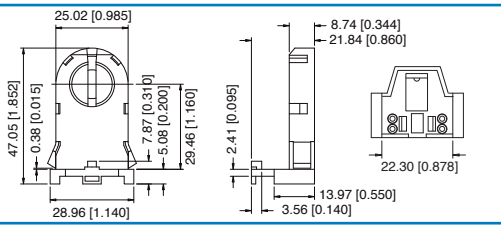
FL202
Flexible
Snap-In
Shoulder



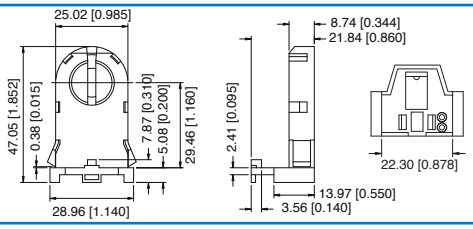
FL202-S
Flexible
Shoulder
Shunted



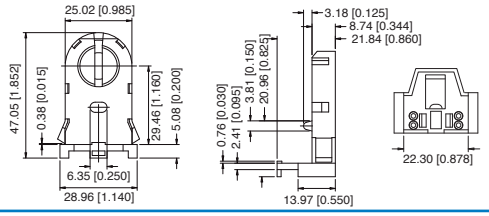
FL202-N
Flexible
Snap-In
Shoulder,
Locating Nib



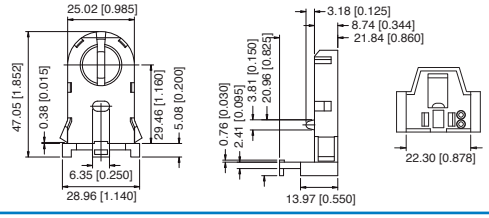
FL202-SN
Flexible
Shoulder
Shunted,
Locating Nib



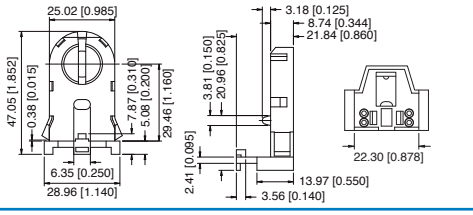
FL203
Flexible
Snap-In
Shoulder,
T-8 Only



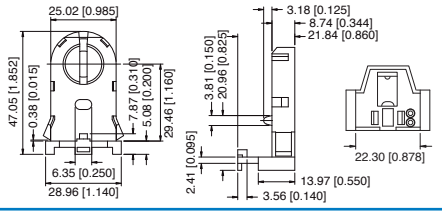
FL203-S
Flexible
Shoulder
Shunted,
T-8 Only



FL203-N
Flexible
Snap-In
Shoulder,
T-8 Only,
Locating Nib



FL203-SN
Flexible
Shoulder
Shunted,
T-8 Only,
Locating Nib

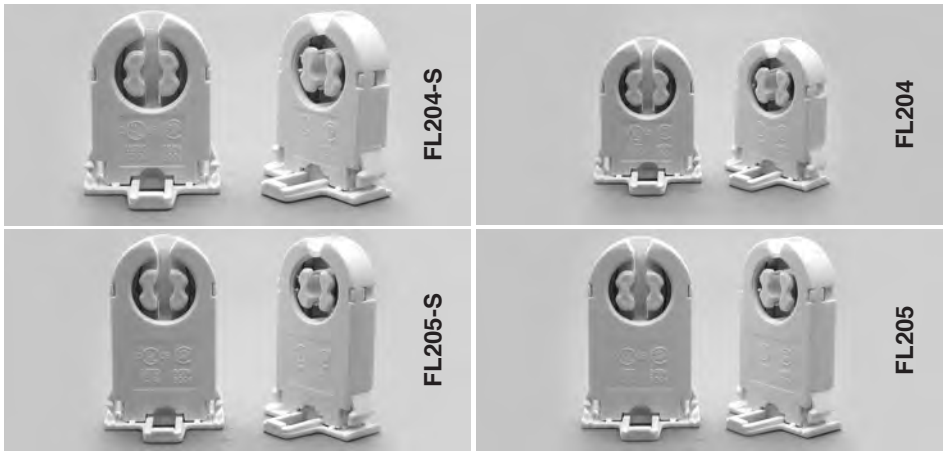


Add "-S" after product code for internal shunted version
Also available assembled, add suffix "-A" after part number

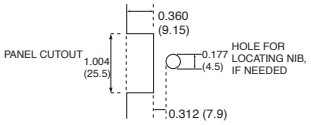
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

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

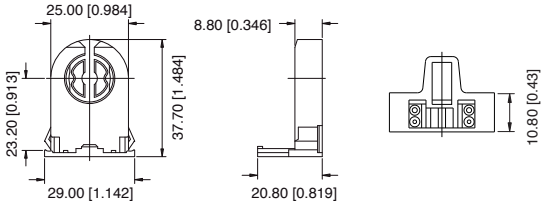
T-8 | T-12 | G13



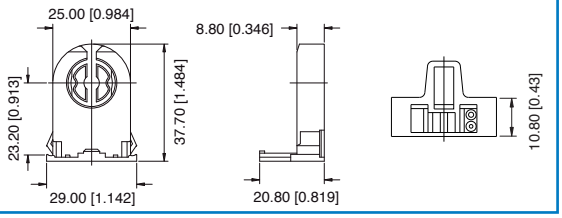
- White polycarbonate body, rated 110°C
- Turn type lock, low profile or tall for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable 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
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed



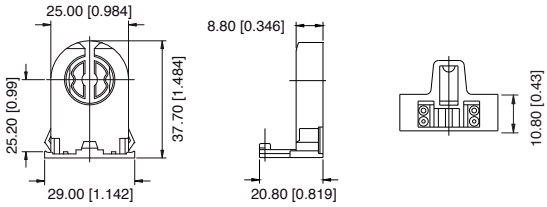
FL204
Flexible
Snap-In
Shoulder



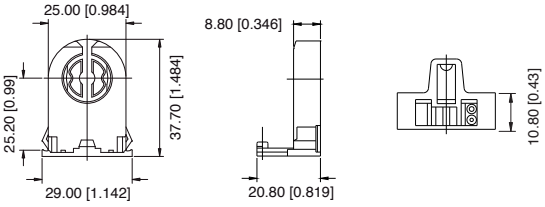
FL204-S
Flexible
Shoulder
Shunted



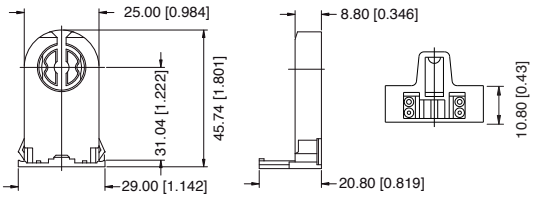
FL204-N
Flexible
Snap-In
Shoulder,
Locating Nib



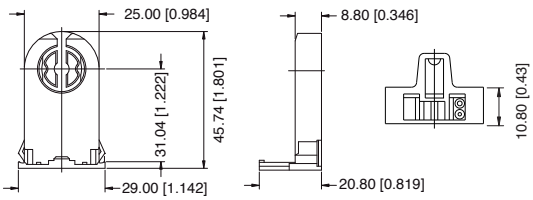
FL204-SN
Flexible
Shoulder
Shunted,
Locating Nib



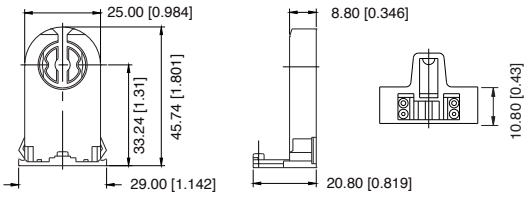
FL205
Flexible
Snap-In
Shoulder,
T-8 Only



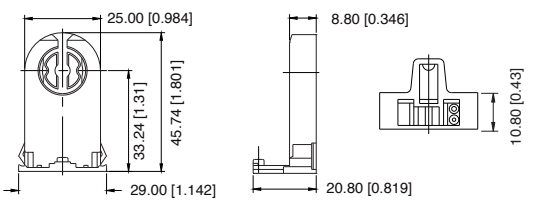
FL205-S
Flexible
Shoulder
Shunted,
T-8 Only



FL205-N
Flexible
Snap-In
Shoulder,
T-8 Only,
Locating Nib



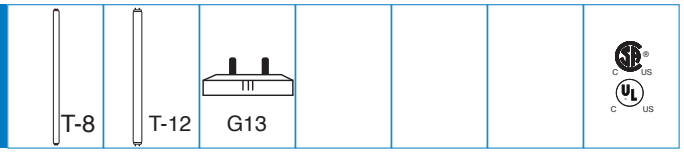
FL205-SN
Flexible
Shoulder
Shunted,
T-8 Only,
Locating Nib



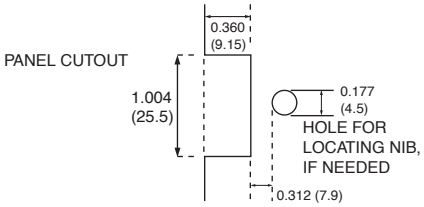
*** Add "-S" after product code for internal shunted version**
Δ Add "-C" after product code for captive nut on models with nut slot

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

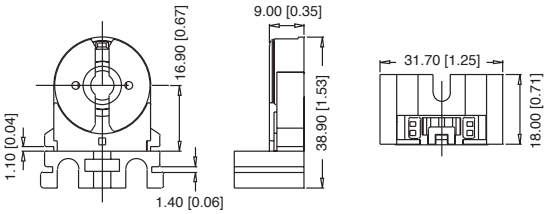
FL206 Series Low Profile Rotary Lamp Lock



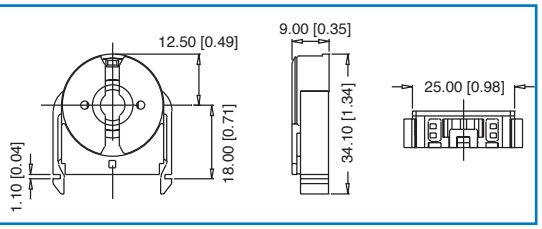
- White polycarbonate body, rated 110°C
- Rotary type lock, low profile for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/16"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable for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



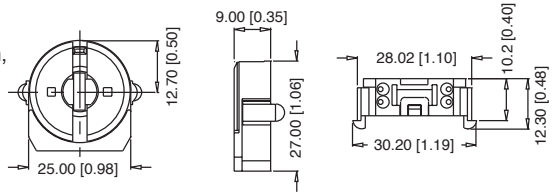
FL206 *Δ
Solid shoulder, Slot on mount, 18 or 20 ga. panel, Nut slot



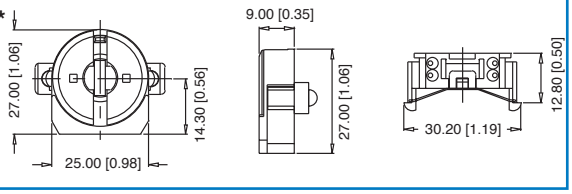
FL206-BSI *
Snap in mount from the top



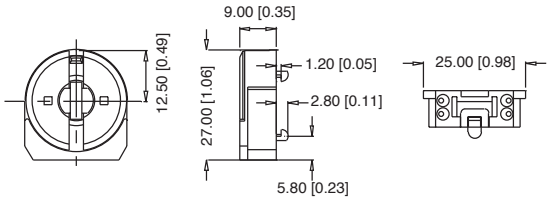
FL206-SI *
Horizontal pin, Snap in type



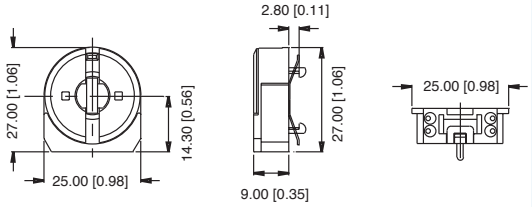
FL206-SP *
Horizontal pin, Snap in type, Spring plate



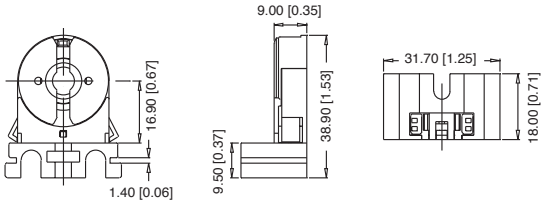
FL206-VSI *
Vertical pin, Snap in type



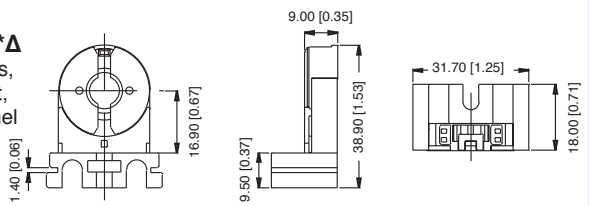
FL206-VSP *
Vertical pin, Snap in type, Spring plate



FL206-W *Δ
Flexible wing, Snap in or Slot mount, 18 ga. panel



FL206X *Δ
Flush sides, Slot mount, 18 ga. panel

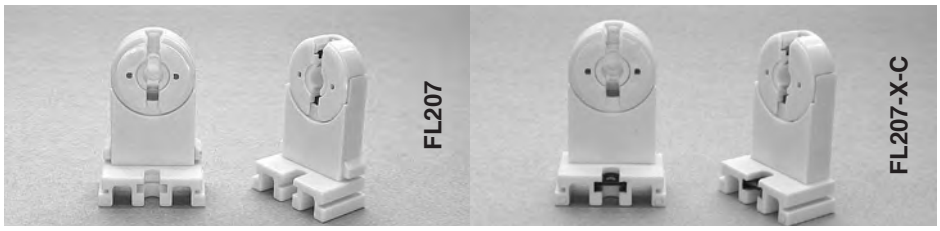


*** Add "-S" after product code for internal shunted version**
Δ Add "-C" after product code for captive nut on models with nut slot

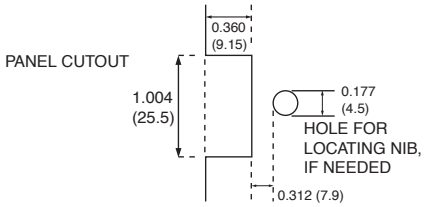
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-12 LAMPS

FL207 Series Tall Profile Rotary Lamp Lock

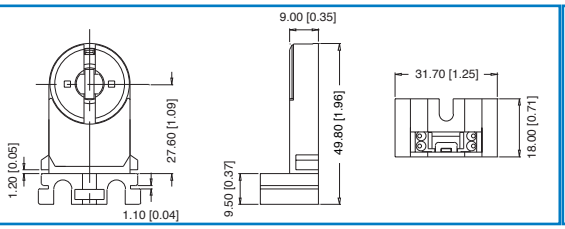
T-8 | T-12 | G13



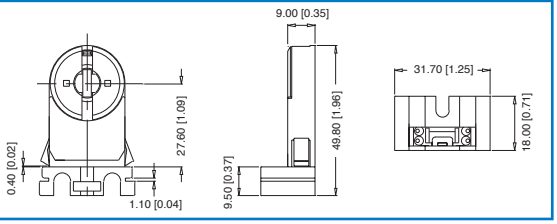
- White polycarbonate body, rated 110°C
- Rotary type lock, low profile for T8/T10/T12 lamps
- Quick connect push-in wire terminals for 18 AWG solid wire 5/64"
- For 0.23" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Two wire ports per terminal for easy harness wiring
- Rated 660W, 600V, suitable for all new HO lamps
- Many models to choose from
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed



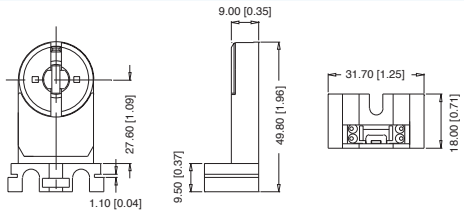
FL207*Δ
Solid shoulder, Slot mount, 18 or 20 ga. panel, Nut slot



FL207-W*Δ
Flexible wing, Snap in or Screw mount, 18 ga. panel



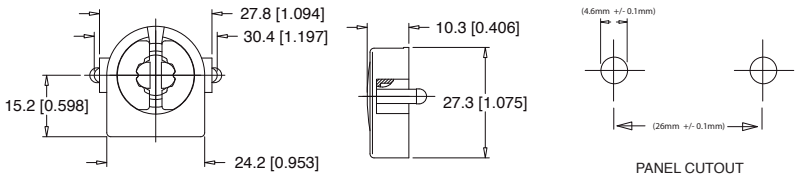
FL207-X*Δ
Flush sides, Slot mount, 18 ga. panel



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

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

T-8 | T-12 | G13

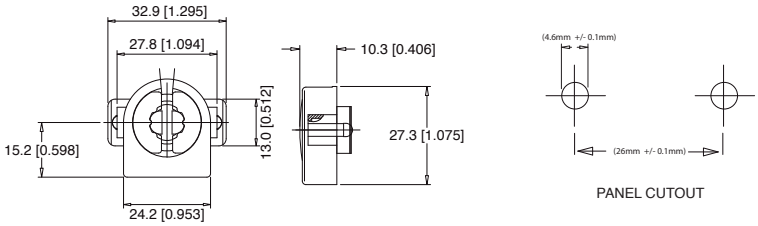


- White polycarbonate body, rated 110°C
- Locking rotor design for maximum lamp retention
- Snaps into two holes in panel for fast and easy mounting
- For a 0.023" - 0.040" (0.6 mm - 1.0 mm) panel thickness
- Quick connect push-in wire terminals for 18 AWG solid wire 5/64"
- Two wire ports per terminal for easy harness wiring
- Wires from bottom of lampholder
- Rated 660W, 600V, suitable for HO lamps
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

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

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

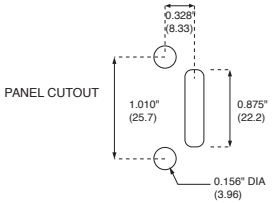
T-8 | T-12 | G13



- 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
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

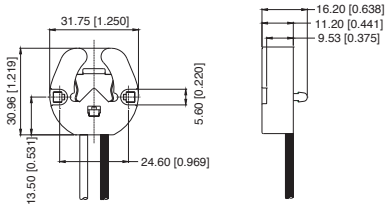
FL500 Series T-8/T-12 Butt-On Type

T-8 | T-12 | G13

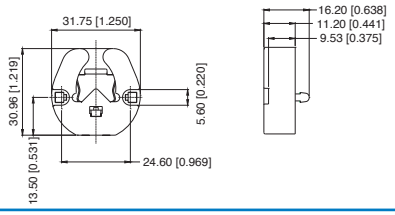


- Made from Black Phenolic or White thermosetting plastic
- Available with snap-in springs
- Plain hole or tapped hole
- Supplied with 9" TEW 105°C wire leads
- Lead can be brought out either straight down or through hole in rear
- FL-500-BL Black Snap-In Type
- FL-500-WH White Snap-In Type
- FL-500-1-BL 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

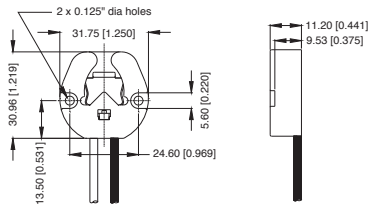
FL500-BL / FL500-WH
9" Leads, clip



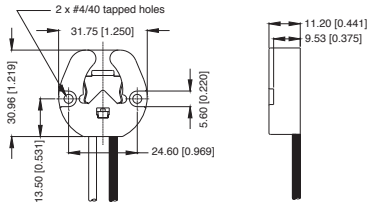
FL500-RSI-PI
Rear snap-in, Push-in terminals



FL500-W1
9" Leads, 0.125" Holes



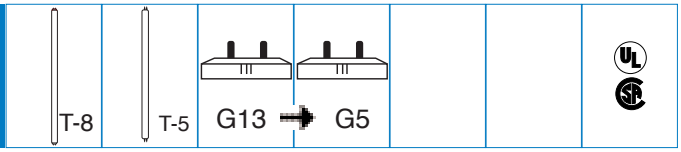
FL500-W1-T
9" Leads, #4/40 holes



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

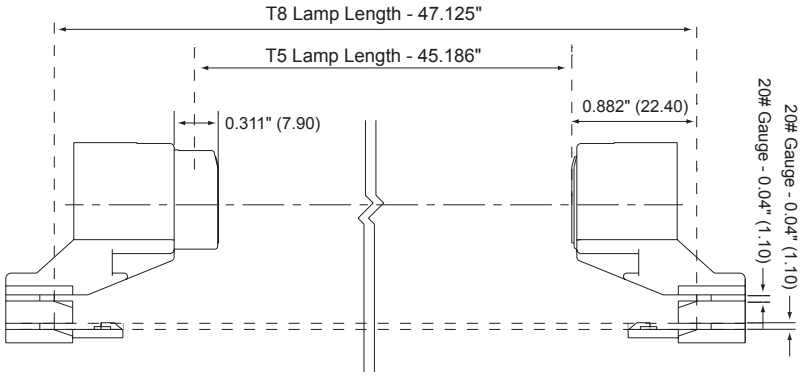
FLUORESCENT LAMPHOLDERS
MEDIUM BI-PIN G13 FOR T-8/T-5 LAMPS

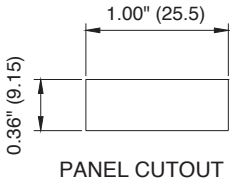
FLT8/T5 Series T8 to T5 Offset Socket



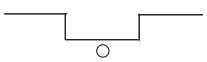
- Made from Polycarbonate, rated 110ºC
- Phosphor Bronze contacts
- Maintains lamp axis from T8 to T5 on low slot
- Has fixed and plunger end to allow for lamp length tolerances
- Rotary lock lampholders assure lamps do not come out until returned to unlocked position
- Quick contact push in wire terminals 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.



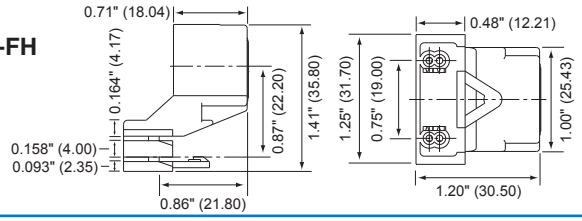


BSI Models

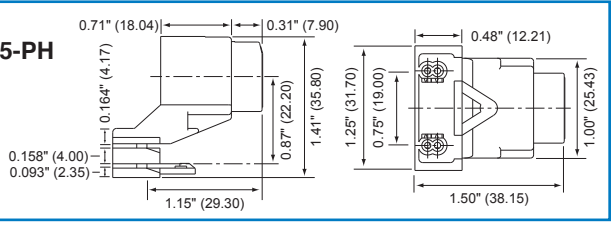


FH/PH
FH/PH FW

FLT8/T5-FH

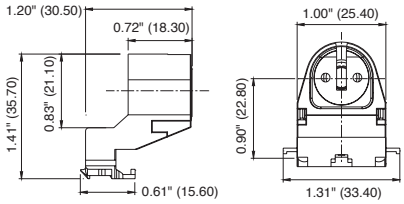


FLT8/T5-PH

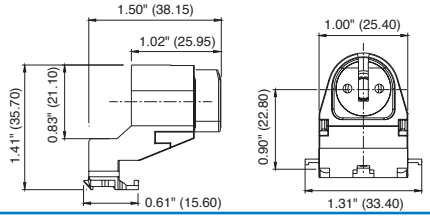


*** Add “-S” after product code for internal shunted version**

FLT8/T5-FH-BSI



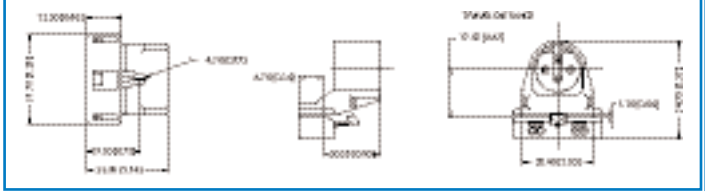
FLT8/T5-PH-BSI



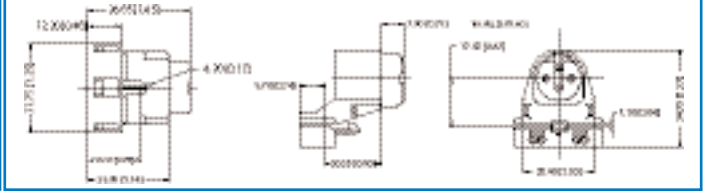
Continued on next page

FLUORESCENT CIRCLINE SOCKETS

FLT8/T5-FH-FW

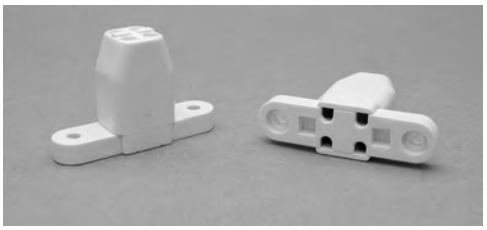


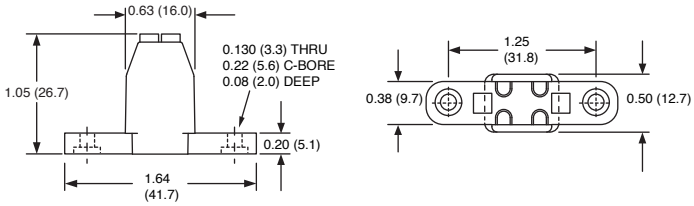
FLT8/T5-PH-FW



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

T9 | G10Q

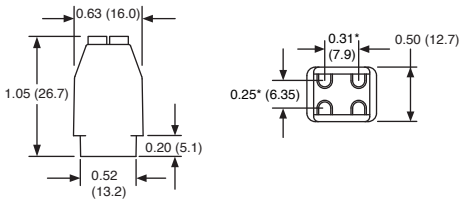




- White thermoplastic body
- Quick connect push-in wire terminals for 18 AWG Solid or Twist & Tin or solder dipped wire, stripped 7/16"
- Socket has 2 mounting ears to screw down to panel
- Rated 660W, 600V
- UL Listed & CSA Certified

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

T9 | G10Q

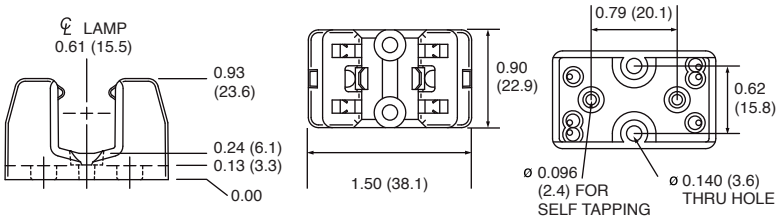


- White thermoplastic body
- Floating version of socket
- FLG10Q-FL has push-in wire terminals for 18 AWG solid wire, stripped 7/16"
- FLG10Q-9T has 9" TEWN 18 AWG leads attached (2 Blue, 2 Yellow), stripped 1/2"
- Rated 660W, 600V
- UL Listed & CSA Certified

FLUORESCENT CIRCLINE SOCKETS & ACCESSORIES

499 2GX13 Snap/Screw Mount

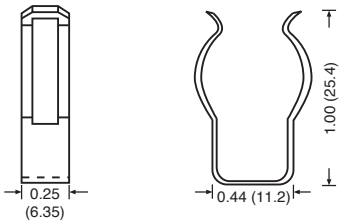
2GX13



- 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

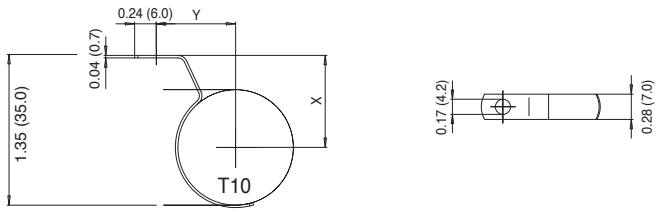
499-Clip for 499 Mount Above

2GX13



- Made from stainless steel
- Holds lamp at proper height
- Screw mounts to panel

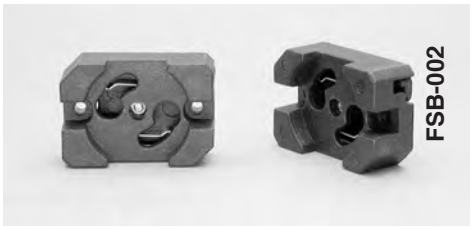
Circline Clip



- 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)

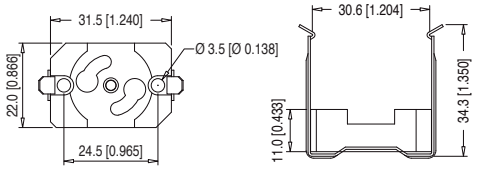
FLUORESCENT STARTER BASES

FSB Series Starter Bases



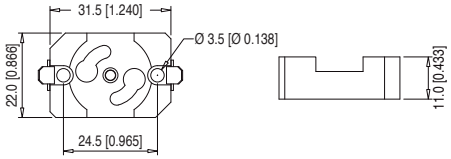
- Made from high heat polycarbonate
- Many mounting methods available
- High strength Brass alloy contacts
- Quick connect push-in wire terminals accept 18 AWG solid or over tinned leads, stripped ½"
- White colour is standard; Black is available upon request, with minimums
- Starter holders may be ordered with leads attached, subject to minimums
- Rated 660W, 600V
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

Tall Snap-In Bracket



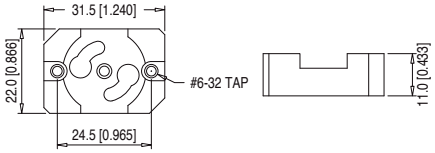
FSB-001

Screw Mount, (2) 0.140 Holes



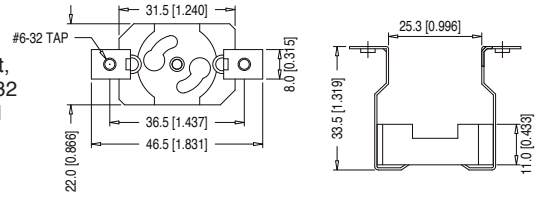
FSB-002

Screw Mount, (2) #6/32 Tapped Holes



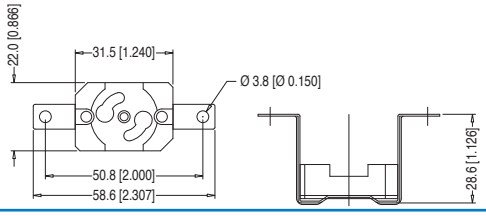
FSB-003

Tall Bracket, (2) #6/32 Tapped Holes



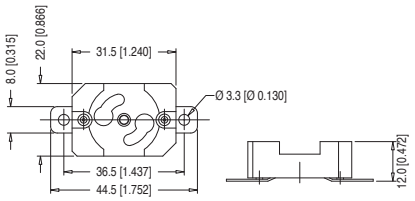
FSB-004

Tall Bracket, (2) 0.140 Holes



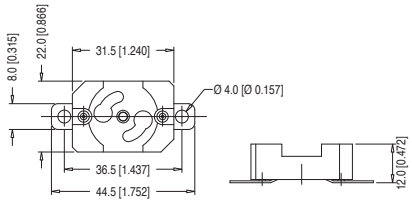
FSB-005

Flat Bracket, (2) 0.130 Holes



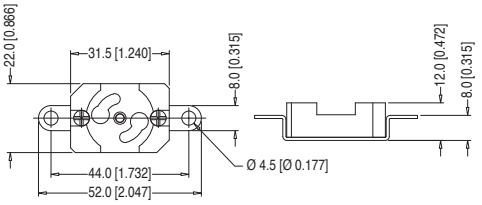
FSB-006

Flat Bracket, (2) 0.157 Holes



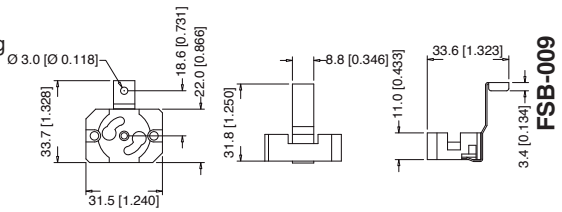
FSB-007

Short Bracket, (2) 0.177 Holes



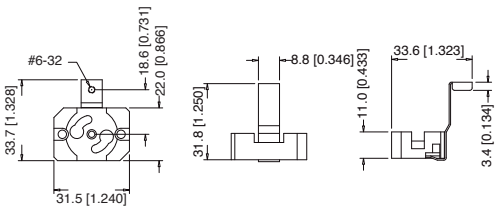
FSB-008

Single Leg Snap-In Bracket



FSB-009

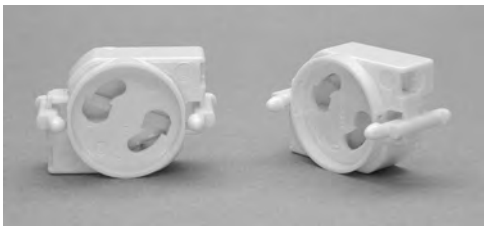
Single Leg Snap-In Bracket, #6/32 Tapped Hole

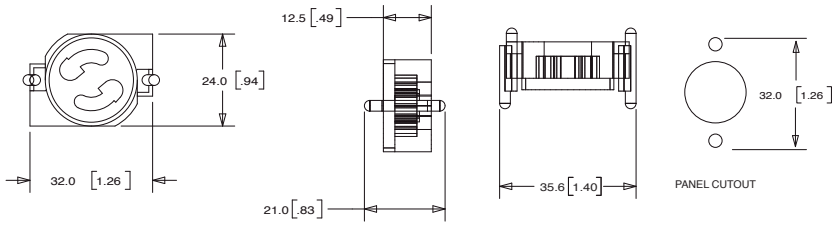


FSB-010

FLUORESCENT STARTERS & STARTER BASES

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 ⅜"
- Rated 660W, 600V
- $_{c}CSA_{us}$ Certified / $_{c}UL_{us}$ Listed

FS Series Starters

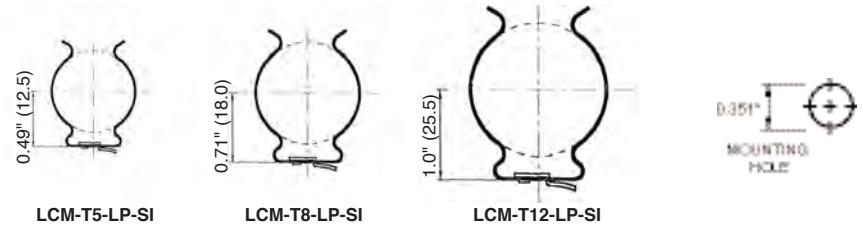
- These quality long life starters are used to ignite fluorescent lamps
- Availaible in plastic or metal can
- UL Listed & CSA Approved

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

LCM-T5-LP-SI
LCM-T8-LP-SI
LCM-T12-LP-SI
Metal Snap-In Support Clip

T-5 T-8 T-12

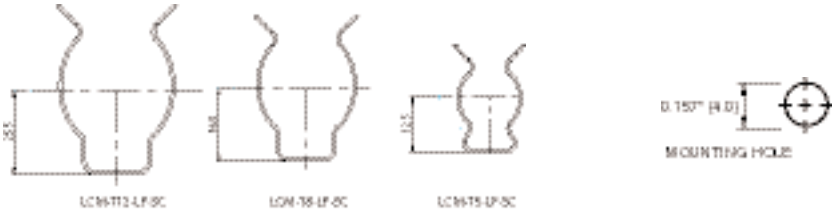


LCM-T5-LP-SI LCM-T8-LP-SI LCM-T12-LP-SI

- Snap-In Clip 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

T-5 T-8 T-12

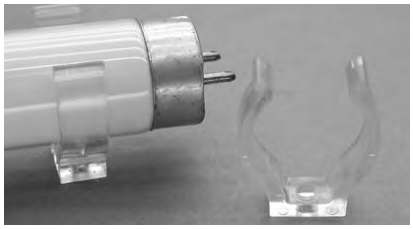


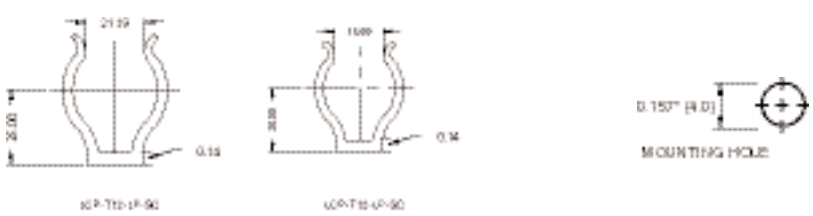
- Screw Mount Clip for T5/T8/T12 Lamp
- Made of nickel-plated steel
- Mounts into 0.157" (4 mm) hole

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

LCP-T8-LP-SC
LCP-T12-LP-SC
Plastic Screw-In Support Clip

T-8 T-12





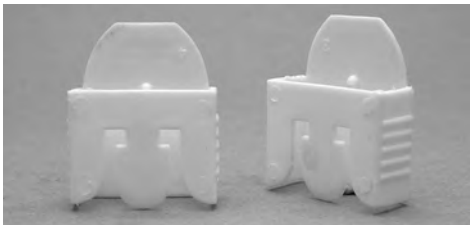
- Screw Mount Clip for T8 Lamp
- Made of UV stabilized clear polycarbonate
- Mounts into 0.157" (4 mm) hole

*For clip with captive nut, replace suffix '-SC' with '-CN'

FLUORESCENT LAMPHOLDER ACCESSORIES

TL-1 Tube Locks

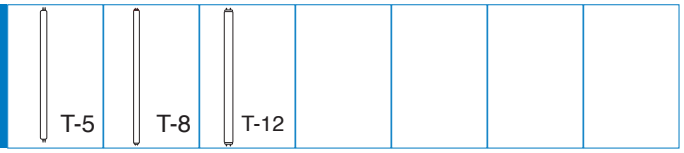
	T-8	T-12				



- 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

FLUORESCENT LAMPHOLDER ACCESSORIES

Tube Protectors



Standard Tube Protectors

General Information:
Provides full protection against the inherent dangers of fluorescent lamp breakage by retaining the shattered glass and phosphors. They are made of clear extruded polycarbonate, featuring high tensile strength over a wide temperature range and high impact strength even at low temperatures standard tube protectors meet OSHA, FDA, NEC AND USDA requirements. The US Department of Agriculture requires meat packing plants to have acceptable protection for fluorescent lamps. The FDA requires lamps suspended over exposed food, in any step of preparation, must be of the safety type or otherwise protected to prevent food contaminaton in case of breakage. Standard tube protectors meet these requirements.

Sleeves provide exposed lamps protection against dirt, dust, bugs and flying insects. They reduce cleaning cycles and minimize lamp replacement due to breakage. These sleeves are for use in Museums, Libraries, Schools, and other areas where contaminations may occur due to lamp breakage.

Ultraviolet Filtering PAL'S
U.V. composition shall effectively resist ultraviolet light emission because of the selective transmittance characteristics which filter out UV rays from 0 to 385 nanometers. Shall be made of extruded acrylic UVA-7 formulation.

End Caps
End Caps are made of a snug fitting heat resistant polypropylene plastic. The caps will hold the lamps in place even if broken and will prevent the tubes from falling.

Heat Shrink Screens
Heat Sink Screens are used with high output lamps. Ho (800 MA) and VHO (1500 MA) lamps create excessive heat at the ends of the lamp. The open metal mesh spreads the excess heat of the lamp, eliminating deterioration of the plastic sleeve.

CATALOG NO.	COLOR	END CAP	COLOR
T12 Lamps			
40C	CLEAR	PAL C	F40T12
48C	CLEAR	PAL C	F48T12
72C	CLEAR	PAL C	F72T12
96C	CLEAR	PAL C	F96T12
96HOC	CLEAR	PAL C	F96T12
96VHOC	CLEAR	PAL C	F96T12
T8 Lamps			
18T8C	CLEAR	PAL T8	F15T8
36T8C	CLEAR	PAL T8	F25T8
40T8C	CLEAR	PAL T8	F32T8
96T8C	CLEAR	PAL T8	F96T8
T5 Lamps			
14T5C	CLEAR	PAL T5	F14T5
21T5C	CLEAR	PAL T5	F21T5
28T5C	CLEAR	PAL T5	F28T5
35T5C	CLEAR	PAL T5	F35T5
UV Filtering			
40CUV	CLEAR UVA 7	PAL C	F40T12
40AUV	AMBER UVA 7	PAL C	F40T12
40YUV	YELLOW UVA 7	PAL C	F40T12
48CUV	CLEAR UVA 7	PAL C	F48T12
72CUV	CLEAR UVA 7	PAL C	F72T12
96CUV	CLEAR UVA 7	PAL C	F96T12
96AUV	AMBER UVA 7	PAL C	F96T12
96HOCUV	CLEAR UVA 7	PAL C	F96T12
96VHOCUV	CLEAR UVA 7	PAL C	F96T12
18T8 CUV	CLEAR UVA 7	PAL T8	F15T8
36T8 CUV	CLEAR UVA 7	PAL T8	F25T8
40T8 CUV	CLEAR UVA 7	PAL T8	F32T8
40T8 AUV	AMBER UVA 7	PAL T8	F32T8
40T8 YUV	YELLOW UVA 7	PAL T8	F32T8
96T8 CUV	CLEAR UVA 7	PAL T8	F96T8
96T8 YUV	YELLOW UVA 7	PAL T8	F96T8
Replacement End Caps			
C	BLACK	ALL T12	-
T8	BLACK	ALL T8	-
T5	BLACK	ALL T5	-
Replacement Heat Sink Screens			
HS	OPEN MESH	T12	-

To Order: Replace suffix letter for Clear (C) with Red (R), Green(GR), blue (B), Pink (P), Gold/Amber (G) or Bug Light Yellow (Y).

Example: 40R

WARNING: It is safe to use protective sleeves (PAL's) with T8 or T5 lamps whenused **only** with the following compatible components:

1. When T8 or T5 lamps are used in conjunction with electronic high efficiency ballasts **that are designed to prevent overheating at "end of life" of the lamp**.
2. When T8 or T5 lamps are operated by **electromagnetic ballasts.**

We do not recommend using protective sleeves on T8 or T5 lamps under any other conditions.

Not recommended for T5 HO lamps or any configuration where surface lamp temperature can exceed 225 degrees F.