

**INSTALLATION INSTRUCTIONS**

P/C **510397-4000**

FIXTURE TYPE \_\_\_\_\_

DATE: 09-29-08

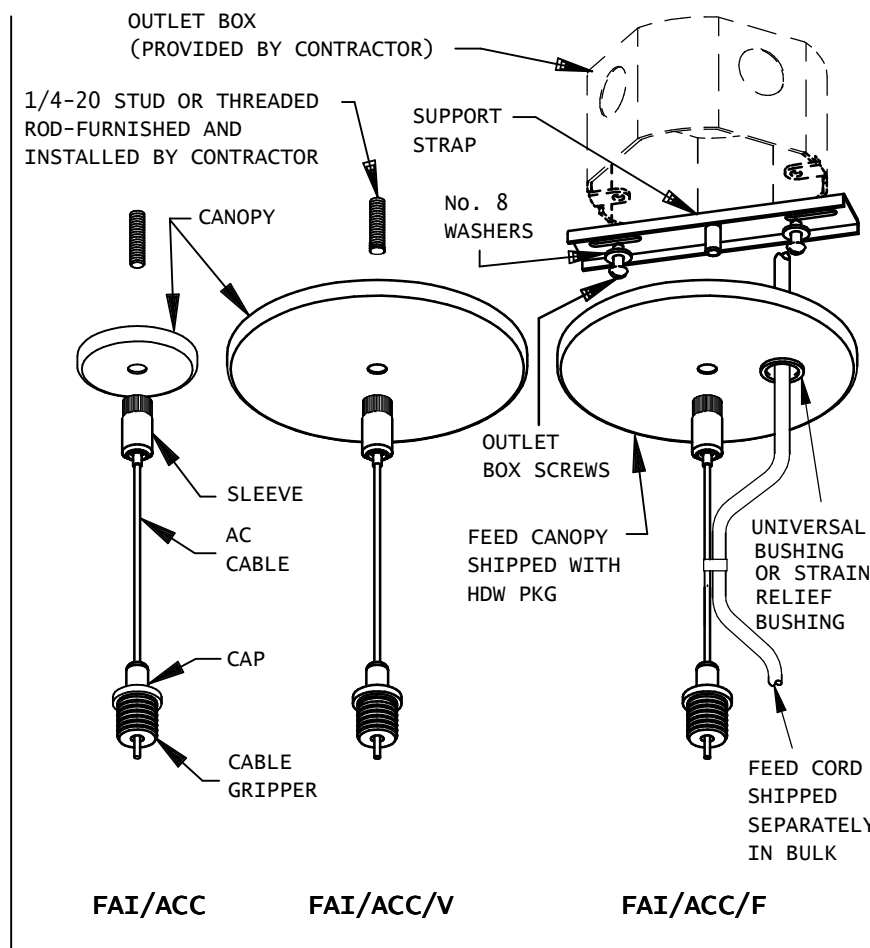
**FAI/ACC, FAI/ACC/F, FAI/ACC/V  
FIELD ADJUSTABLE CABLE WITH  
EXTRUDED FLAT STRAP**

PG. 1 OF 2

DO NOT MODIFY OR ALTER THIS PRODUCT IN ANY WAY, OR INSTALL IN ANY FASHION WHICH IS CONTRARY TO THE INSTRUCTIONS CONTAINED HEREIN.  
IF YOU HAVE ANY QUESTIONS REGARDING THIS PRODUCT OR THE INSTALLATION OF IT, PLEASE CALL LITECONTROL ENGINEERING AT 781-294-0100.

**GENERAL NOTES:**

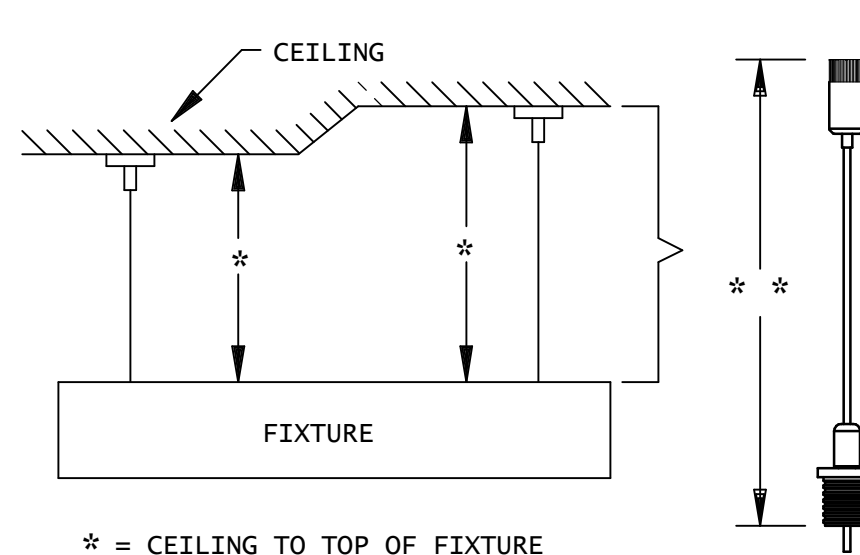
- For all aircraft cable assemblies except FAI/ACC/F (cable assy w/feed), the contractor must securely install one 1/4-20 stud at each aircraft cable location, extending 3/4" below ceiling line. See individual fixture sheets for locations of cables. The FAI/ACC/F assembly is made to install over the following  
\* outlet boxes: (3-1/2" Octagon, 4" x 2-1/8" Handy box, 3" x 2" Switchbox and plaster ring with 2-3/4" mtg. holes).



**WARNING:** The National Electric Code requires that any fixture weighing more than (50) pounds be independently supported of an outlet box.

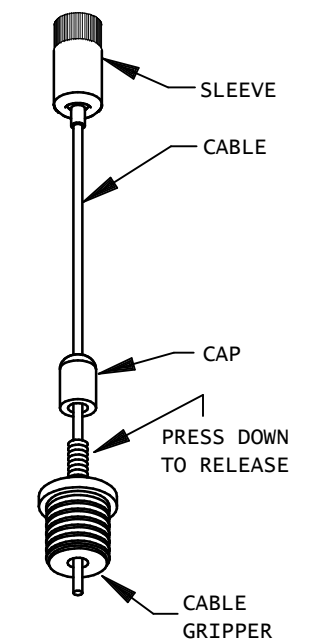
- Fixtures in rows must be supported by a minimum of one cable (or stem) at the junction of each two fixtures plus one at each end of the row. This is considered by "Underwriters Laboratories" as equivalent to two cables (or stems) per fixture.
- These fixture supports are to be used only in conjunction with LITECONTROL products for which they were furnished. DO NOT use them for support of any other items or in any fashion which is contrary to this instruction sheet.
- Cable assemblies are bulk packed and assembled as shown in view above. Cables are provided in (3) lengths for ceiling to heights of 6"- 48", 6"- 84" and 6"- 216".

\* Note: Support straps are also shipped with FAI/ACC/V assemblies for installation over non-feed outlet boxes.



\* = CEILING TO TOP OF FIXTURE  
\*\* = CEILING TO TOP OF FIXTURE PLUS 4"

VIEW "A"



VIEW "B"

**PREPARATION OF CABLE ASSEMBLY:**

- Unscrew cap from cable gripper as shown in View "B".
- Determine the distance from the ceiling to the top of the fixture and add 4" as shown in View "A". This is an approximate ceiling to fixture distance: final adjustment will be made after fixture(s) are hung. Slide gripper to length \*\*, by pressing down on the spring loaded top as shown in view "B". DO NOT screw cap back on at this time.

**INSTALLATION OF AIRCRAFT CABLE ASSEMBLIES TO CEILING:**

**FAI/ACC and FAI/ACC/V:**

Place canopy over ceiling stud and screw sleeve to stud.

**FAI/ACC/F:**

Making sure that outlet box is flush with ceiling, mount support strap to outlet box with outlet box screws and #8 washers. Make wiring connections at box and let feed cord hang down. Snap universal bushing into canopy and raise canopy to support strap while leading the feed cord thru bushing. Screw cable sleeve onto support strap stud, making sure that canopy is up against ceiling.

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INSTRUCTIONS

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FAI/ACC, FAI/ACC/F, FAI/ACC/V  
FIELD ADJUSTABLE CABLE WITH  
EXTRUDED FLAT STRAP

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PG. 2 OF 2

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**INSTALLATION OF FIXTURES TO AIRCRAFT CABLE - SLIDE ON STRAP: See View "C"**

1. Refer to instructions packaged with fixture to prepare it for hanging.
- 2a. **MOUNTING INDIVIDUAL FIXTURES:**  
Slide groove in sides of Flat Strap onto each support angle at both ends of fixture.  
Insert cotter pin thru holes in strap and support angle.
- 2b. **MOUNTING ROWS OF FIXTURES:**  
One flat strap is slid onto fixture at the end of row where End cap would be located and secured with cotter pin.  
At row joint end of this fixture, another flat strap is slid on and positioned so that half extends out end of fixture.  
Secure this strap with cotter pin. The abutting fixture is then slid onto open end of this flat strap and secured with the row mounting hardware shipped with fixture. This step is repeated at each row joint between fixtures.
3. Lift fixture up and thread cable grippers completely into flat straps.
4. While holding fixture, adjust gripper up or down on cable to position and level fixture in its final location.
5. Thread caps back onto gripper. Tie a knot at end of cable inside fixture and trim off excess.

**INSTALLATION OF FIXTURES TO AIRCRAFT CABLE - THREAD ON STRAP: See View "D"**

1. Refer to instructions packaged with fixture to prepare it for hanging.
2. Remove the 7/8" KO's in top of fixture at both ends for cable assemblies and a 5/8" KO for feed cord.  
Slide the P6S washer onto gripper as shown and insert grippers thru the 7/8" ko's.  
Secure gripper by threading on Flat Strap from inside of fixture. Repeat this step at opposite end of fixture.
3. Lift fixture up and thread cable assembly sleeve onto support strap studs or threaded rod.
4. While holding fixture, adjust gripper up or down on cable to position and level fixture in its final location.
5. Thread caps back onto gripper. Tie a knot at end of cable inside fixture and trim off excess.

**INSTALLATION OF FEED CORD INTO FIXTURE: (CATALOG DESIGNATOR "FAI/ACC/F")**

Note: Feed cord is shipped separately in bulk. Bushings and Canopies are shipped in hardware packages.

1. Run feed cord down aircraft cable and to nearest 5/8" dia. ko in fixture.
2. Attach strain relief bushing to feed cord near ko and insert both into ko.  
Both straight and right angle strain relief bushings have been provided: Use the one which best suits your wire routing and discard the other.
3. Make wiring connections inside fixture wireway in accordance with the NEC and all local codes.
4. Using the nylon tie fasteners provided, secure feed cord to cable every 4-5". Snip off loose ends of fastener.

