

# INSTALLATION AND ASSEMBLY INSTRUCTIONS

## LINIARC™ SERIES LUMINAIRE



**IMPORTANT!!!** Not every unit is identical! Placement of proper luminaire section (by length, emergency option, etc.) within each row is important. Refer to layout drawing to verify row identification, product location, and feed points!

**WARNING:** Risk of fire or shock! Disconnect power before servicing.

**WARNING:** Verify the existing input voltage. Make sure it matches the pre-wired voltage of the luminaire.

**WARNING:** Wiring to be performed by qualified electrician, per NEC and local code.

**NOTE:** LiniArc may be mounted using either Aircraft Cable Suspension or Pendant Mount method. Luminaires must be installed per respective installation steps below.

### - AIRCRAFT CABLE SUSPENSION - (for Pendant Mount, see page 2)

1. Install hanging points in ceiling (feed and non-feed).
2. Connect hanging hardware to first luminaire.
  - Single-Point cable mounting - Figure 1**
    - Screw male threaded ferrules into  $\frac{1}{4}$  -20 hole at ends of fixture.
  - Double-Point cable mounting - Figures 2 and 3**
    - Insert both swaged ends of yoke cables into the slip slots (small keyhole slots) on both ends of the fixture.
    - Rotate into vertical hanging position. Cable connections are locked in place by end cap or adjoining fixture.
3. Connect hanger to ceiling mounting point - Figure 4.
  - Slide plastic cover canopy onto threaded stud in ceiling.
  - Screw ferrule at top end of aircraft cable onto stud.
4. Connect supply wiring - Figures 5 and 6.
  - Pull male connector out through the end of the fixture.
  - Remove  $\frac{1}{2}$ " knockout on the socket plate on top of the fixture at the male quick connector end.
  - Insert power feed cord through this center feed hole and on through the end of the fixture.
  - Connect male and female connectors. Push connectors back inside fixture housing.



Figure 1



Figure 2



Figure 3



Figure 5



Figure 6



Figure 4



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### - AIRCRAFT CABLE SUSPENSION, cont'd. -

5. Suspend other end of luminaire by repeating steps 2 & 3.

6. Install end cap.

PROCEED TO PAGE 3, SECTION TITLED "INSTALLING ADJOINING LUMINAIRES".

### - PENDANT MOUNT -

(for Aircraft Cable Suspension, see page 1)

1. Install hanging points (feed and non-feed) in ceiling.

2. Connect stems to ceiling mounting point.

3. Attach stems to luminaire - Figure 1.

- Remove ½" knockout on the socket plate on top of the fixture at the male quick connector end.
- Attach 'Z' brackets on stems to fixture using ¼-20 screw.



Figure 1

4. Connect feed wires - Figure 2.

- Pull male connector out through the end of the fixture.
- Insert power feed wires from stem through fixture center feed hole on top of the fixture and on through the end of the fixture.
- Connect wires with suitable splice connector, wire nuts, or other approved connecting method. (it may be necessary to cut off quick connect plug). Push connectors back inside fixture housing.



Figure 2

5. Install end cap.

PROCEED TO PAGE 3, SECTION TITLED "INSTALLING ADJOINING LUMINAIRES".



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### - INSTALLING ADJOINING LUMINAIRES - (Aircraft Cable Suspension and Pendant Mount)

#### 1. Insert aligner strip - Figure 1.

- Push plastic aligner strip into slot at the end of the fixture to be joined.



Figure 1

#### 2. Install hanging hardware.

- Install cable or stems to the far end of the fixture to be installed, using previous instructions.

#### 3. Suspend far end of luminaire.

- Raise fixture into position and connect hanging hardware to ceiling, using previous instructions.

#### 4. Connect supply wiring - Figure 2.

- Connect male connector to female of previously installed luminaire.



Figure 2

#### 5. Fasten luminaires together - Figures 3, 4 and 5.

- Align captivated bolts on the end of the fixtures with the corresponding keyhole slots and push fixtures together.
- Rotate fixture slightly until bolts stop at the end of the keyhole slot.
- If necessary, align luminaires to assure straight, uniform rows. Tighten bolts.



Figure 3



Figure 4



Figure 5

#### 6. If height adjustment is required, proceed to page 4 section titled "ADJUSTING HEIGHT".



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### - ADJUSTING HEIGHT -

1. If necessary, adjustments can be made when using adjustable aircraft cables and 2-point yoke hangers.

#### - To Adjust Height - Figure 1.

- Loosen knurl nut on top of ferrule
- Depress nut to release cable lock and slide cable up or down
- Release and tighten nut.



Figure 1

#### - To Adjust Levelness - Figure 2.

- Loosen allen screw on the bottom of the ferrule
- Slide cable side to side until level and retighten screw.



Figure 2

2. Repeat for each successive luminaire in the row.

3. Install end cap at end of row.

### Questions?

Call LSI Field Service

1-800-436-7800 Ext. 3300 or Fax 877-861-1368

