Sync
Suspension Fluorescent

Sync Suspended Fluorescent

ID_7406_Sync_Suspended_FLU

Standalone or continuous run configurations

**System Overview**

These instructions review how to install Sync suspended fixtures. Sync 4 ft and 8 ft modules can be installed as individual standalone units, or they can be joined together to create continuous rows. The graphic below shows the components required to install a typical row of Sync suspended fixtures.

**Module Lengths**

Sync suspended systems come in 4 ft and 8 ft modules. Overall module lengths are shown on the right. Module lengths do not include endcaps.

**Endcaps**

Add two endcaps to the overall length of each row.

**Mount Spacing**

For on-grid T-bar ceiling installations, mounts attach directly to Tee. For non-accessible ceilings and off-grid T-bar installations, the graphic below indicates mount spacing for typical row lengths. Mounting options are also available for a wide variety of other ceiling types. See Suspended Mounting Options document for more detailed information.

**Row Configurations**

The tables below indicate how 4 ft and 8 ft modules can be combined to create continuous rows of various lengths.

**Tools Required:** Phillips screwdriver, 3/8” nut driver.

---

**Sync joint kit(s)***

- A/C mounting bracket (x1)
- #8-B x 1/4” screw (x2)
- #10-24 x 9/16” bolt (x2)
- #10-24 locking nut (x2)
- Gasket (x1)
*NOTE: 1 kit required for each in-row joint.

**Sync end kit(s)***

- Endcap (x1)
- A/C mounting bracket (x1)
- #8-B x 1/4” screw (x2)
- 3/16” nuts (x2)
*NOTE: 2 kits required for each row (one for each end).

---

**NOTICE** Install in accordance with national and local building and electrical codes.

© 2016 Philips Lighting Holding B.V. All rights reserved

Phone: 604.888.6811
Web: philips.com/luminaires

Page 1
Sync
Suspended Fluorescent

Installation Instructions
ID_7406_Sync_Suspended_FLU

Standalone or continuous run configurations

1. Prepare fixtures / Install ceiling mounting components

   Arrange boxed fixtures on floor in specified mounting locations; remove fixtures from boxes.
   Install all ceiling mounting components and vertical aircraft cables using separate installation instructions for Aircraft Cable Mounting (supplied).

2. Install end-of-row Aircraft Cable brackets

   A. Hook A/C mounting bracket to endplate as shown. Raise bracket until security tab is engaged.
   B. Attach bracket to fixture using supplied fasteners.

   NOTE: When installing individual modules, and the first fixture of a row, complete step 2 on both ends of fixture.

3. Suspend and level first fixture

   With 2 people, raise the first fixture to the ceiling. At each end of the module, insert aircraft cable through aircraft cable adjuster (located on A/C mount bracket). The adjuster will automatically grip and hold the cable.
   IMPORTANT: Do not force cable into adjuster. See instruction A (next page) for details. Trim aircraft cable below adjuster as per instruction A (next page).
   Level the fixture (see instruction B & C on next page).

4. Complete electrical connections at end

   - NON-POWER LOCATIONS: Cap all wires and tuck into wire cavity.
   - POWER LOCATIONS: Remove required 1/2” round knockout(s) and insert supplied bushing(s). Insert power cord and apply strain relief below the socket saddle to secure cord. Remove installed quick-wire connectors (if applicable) at power feed locations and complete electrical connections using wire nuts (supplied by others). Tuck wires into wire cavity.

   NOTE: Use smallest appropriate wire nuts. NOTE 2: Power feed connections can also be completed at joint locations.

5. Install in-row mount brackets and insert joiner aligners

   - NOTE: Joiner aligners are supplied attached together; twist and snap apart prior to use.

   For each additional fixture in the row, at the end furthest from the existing suspended fixture, attach A/C mounting bracket to fixture using supplied fasteners (see step 2). At the end closest to the existing suspended fixture, insert joiner aligners into crossplate (aligners will lock into place).

6. Suspend and join additional fixtures to create row

   With two people, raise second fixture to ceiling. At joint, insert joiner aligners through black gasket and into suspended fixture. At other end (opposite joint), insert aircraft cable through adjuster.
   IMPORTANT: Do not attempt to join fixtures on floor. Instead, hang one fixture at a time and join modules at ceiling level.

7. Complete electrical connections at joints

   Complete in-row electrical connections.

   - NON-POWER LOCATIONS: Use supplied quick-wire connectors. Tuck wires into wire cavity.
   - POWER LOCATIONS: Remove installed quick-wire connectors and complete electrical connections using wire nuts (supplied by others). Tuck wires into wiring cavity.

ATTENTION: Install in accordance with national and local building and electrical codes.

© 2016 Philips Lighting Holding B.V. All rights reserved
Sync
Suspended Fluorescent
ID_7406_Sync_Suspended_FLU

Installation Instructions

Standalone or continuous run configurations

Secure joint(s)

Install endcaps

Finishing

Aircraft cable adjustment

ATTENTION: Install in accordance with national and local building and electrical codes.

© 2016 Philips Lighting Holding B.V. All rights reserved
Phone: 604.888.6811
Web: philips.com/luminaires

ID_7406_Sync_Suspended_FLU.pdf 0316

10 Finishing

Lamp fixtures.
Secure all components:
Ensure all components
are secure and installed
according to code.

8 Secure joint(s)

SLIDE MODULES TOGETHER: Secure joint from
above using supplied nut and bolt hardware.
Repeat STEPS 5–8 for each additional fixture in row.

9 Install endcaps

Attach endcap to first and last module in each row
using supplied hardware.
IMPORTANT: Do not over-tighten endcap fasteners.
Philips Ledalite recommends tightening fasteners
by hand. When nut is flush with crossplate, turn an
additional 1/4 turn.

11 Level horizontally

LEVEL HORIZONTALLY (shown above): Loosen
fasteners on bottom of adjuster and level as required.
Tighten fastener once mount is in level position.

B Level horizontally

C Level vertically

horizontal leveling
fasteners

aerial cable
release tool

LEVEL VERTICALLY (shown above): Support fixture
from below and use supplied aircraft cable release
tool to make fine height adjustments (see instruction
A for details).

A Aircraft cable adjustment

IMPORTANT: Do not force cable into adjuster.
To insert cable into adjuster, follow the steps below.

1. CUT
If required, cut cable ends cleanly prior to inserting into
No. 0690TN
or Klein all purpose shears cat. No. 1104.

2. INSERT
Carefully insert cable into tapered end. If cable does not insert
easily or becomes jammed during insertion, use the release
tool to remove cable. Trim end again and repeat process. DO
NOT BEND CABLE BELOW BOTTOM OF ADJUSTER

3. TEST
Once cable is inserted, apply a 25lb point load to each mount
bracket to ensure all connections are secure.