



by Signify

Architectural Linear

SyncLine

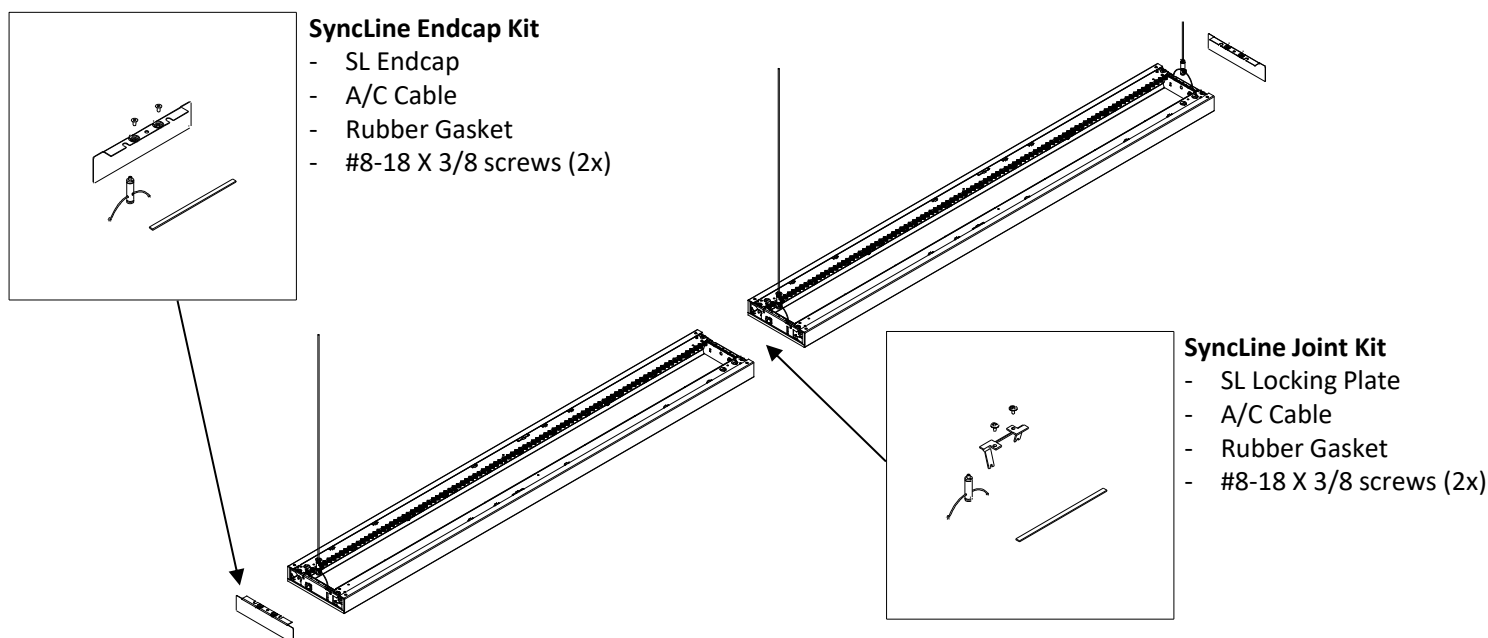
IS-SL SyncLine Suspended

System Overview

These instructions review how to install SyncLine suspended fixtures. SyncLine 4ft, 6ft, and 8ft modules can be installed as individual standalone units, or they can be joined together to create a continuous run. The graphic below shows the components required to install a typical run or a standalone fixture.



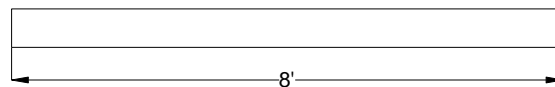
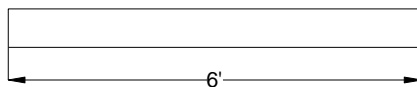
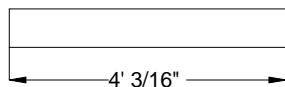
IMPORTANT: Read all instructions including fixture/sensor wiring AND mechanical details **before** beginning installation.



TOOLS REQUIRED: Phillips screwdriver, flat head screwdriver

Module Lengths

SyncLine suspended fixtures come in 4ft, 6ft, and 8ft modules. Overall module lengths are shown below. Module lengths do not include endcaps.



Indicates overall length of the fixture.
(excluding endcaps)

Endcaps

Two endcaps are required per run regardless of the length of the run. One endcap on each end of the run.

! **ATTENTION: Install in accordance with local and national building and electric codes.**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**IMPORTANT:**

Disconnect or turn off power before attempting any installation, service or maintenance.



Fixture must be connected to building ground via the provided ground wire before re-connecting to mains power supply.

**Power Label Location**

Power labels can be found on top of the light engine pans. If dustcover is installed, please remove before installation of fixtures.

Power Feed Locations

Four power feed locations are provided on all lengths: two on each end of the fixture.

Continuous Run

The fixtures in continuous runs are connected with joiner kits. Each joint and both ends of the run will be suspended by a sling mount and aircraft cable attached to the ceiling. A continuous run of two 8ft fixtures and one 4ft fixture is shown below.

**Prepare Fixtures / Install ceiling mounting components**

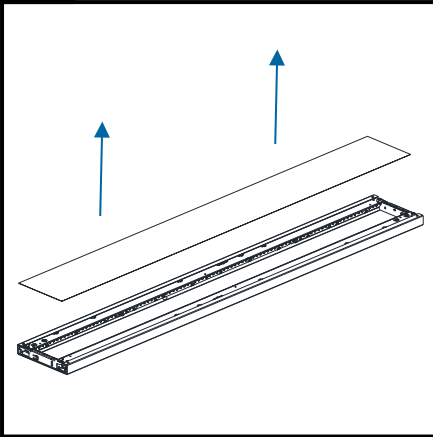
Arrange boxed fixtures on floor in specified mounting locations, based on supplied layout drawings. Remove fixtures from boxes. Install all ceiling mount components and vertical aircraft cables using separate installation instruction for Aircraft Cable Mounting (Supplied).

Note: If conditions are dusty/dirty, recommended practice is to leave fixtures in their plastic bags.

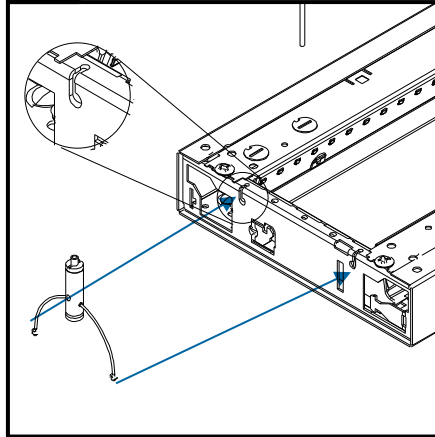
Cut small holes in the bag as needed to complete the following installation sequence, and then completely remove the bag from the fixture when conditions are clean. This prevents dust and dirt build up on the fixtures.



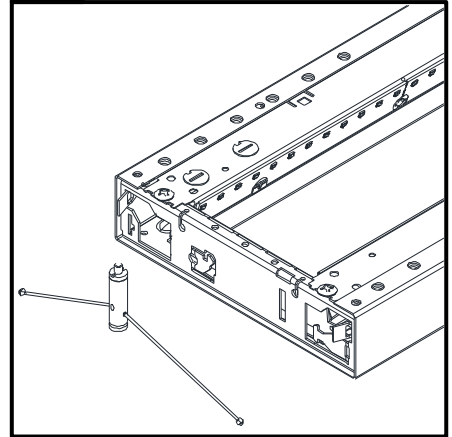
ATTENTION: Install in accordance with local and national building and electric codes.

1 Remove Dust Cover

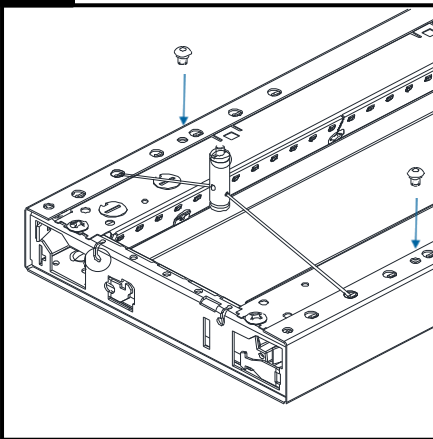
Remove dust cover from the fixture. Lightly press in the center to disengage it from the housing.

2 Insert Sling Mount

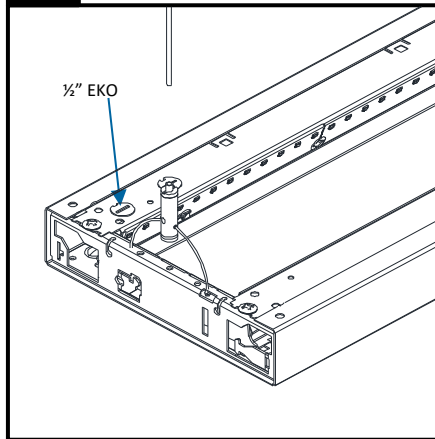
Hook A/C sling mount to endplate as shown. Raise sling until seated in endplate. Install on both side of the fixture.

3 Install Variable Mount

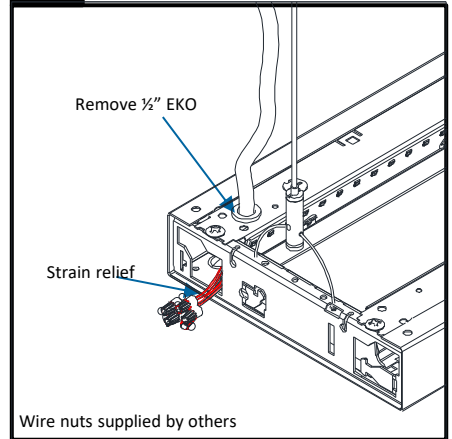
In the case of a variable mount, press the tabs along the sides of the fixture housing forward and insert A/C sling mount in holes along the top of the fixture body up to 6" from the ends. Install on both sides of the fixture.

4 Install Variable Mount

With tabs pressed inwards and variable A/C mount inserted, ensuring that the mounting holes are lined up, insert screws as shown on both sides of the fixture.

5 Suspend and Level First Fixture

With two people, raise the first fixture to the ceiling. At each end of the module, insert aircraft cable through aircraft cable sling.

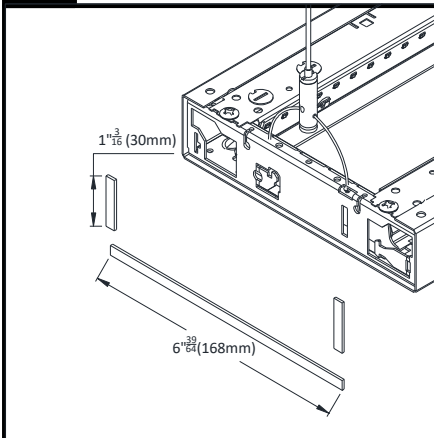
6 Complete Electrical Connection

NON-POWER LOCATIONS: Cap all wires and tuck into wire cavity. **POWER LOCATIONS:** Remove required 1/2" round knockout(s). Insert power cord and apply strain relief 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.

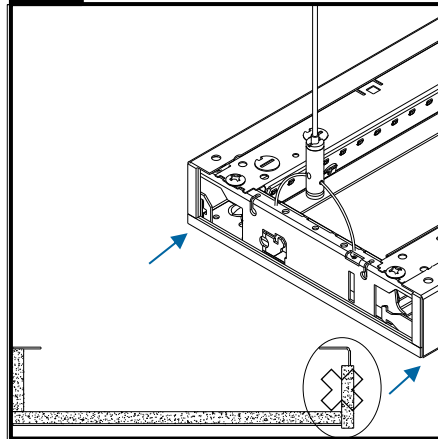
NOTE: Use smallest appropriate wire nuts.

NOTE: crimp and bushing are part of the ceiling mount kit.

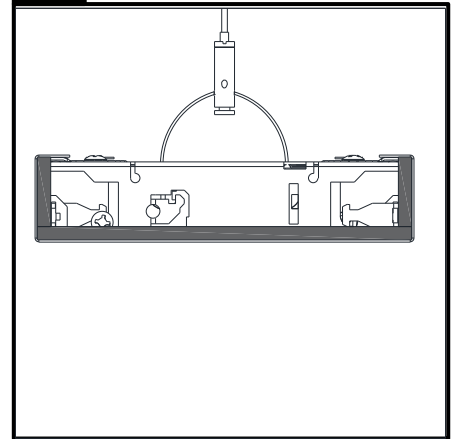
! ATTENTION: Install in accordance with local and national building and electric codes.

7 Gasket Installation

Cut, peel and stick the gasket to the edge of the luminaire as shown. Every fixture end or joint requires gasket installation.

7.1 Gasket Installation

Ensure gasket is seated properly. The gasket should not protrude overall luminaire width or height.

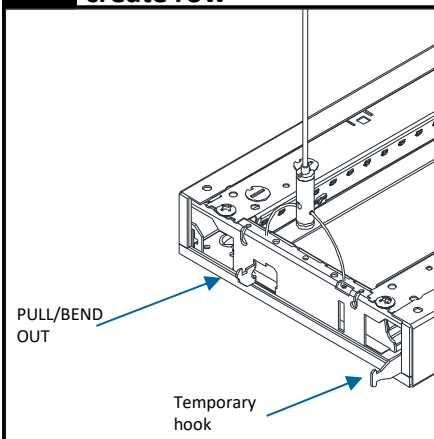
7.2 Gasket Installation

The gasket is shown in grey above.

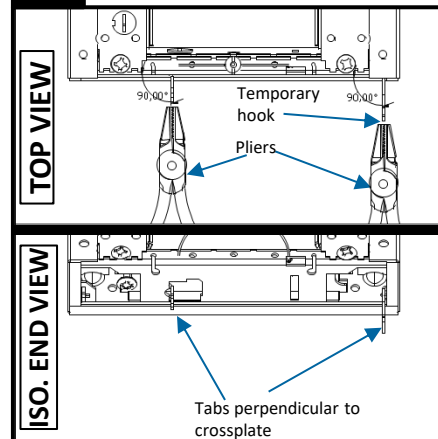
If not joining additional fixture(s), skip to step 11 for endcap installation instructions.

i Preventive Measures for Perfect installation

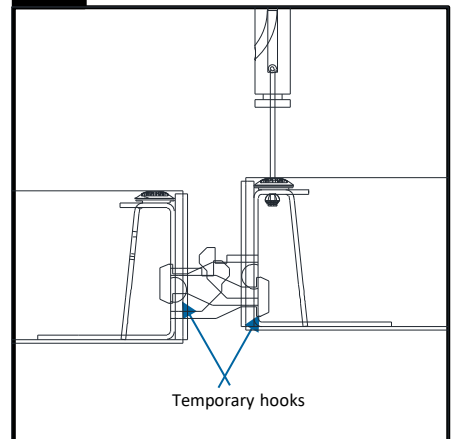
Note: Pull out the Bend & temporary hook completely (Perpendicular to base from where it bends) for perfect locking.

8 Join additional fixture to create row

For each additional fixture in the row, at the end furthest from the existing suspended fixture, attach A/C sling to the fixture (see steps 2-4). At the end closest to the existing suspended fixture, pull out the two tabs. Repeat procedure for the luminaire it will be joined to.

8.1 Join additional fixture to create row

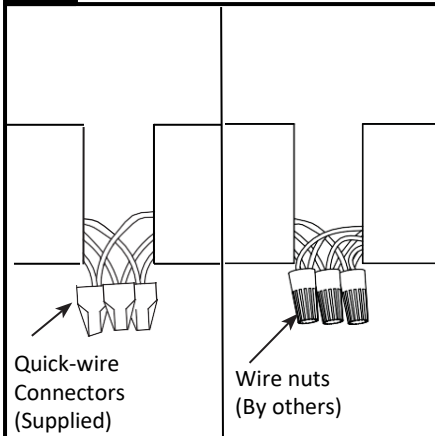
Using a set of pliers, ensure that tabs are perpendicular to fixture. This is required to ensure proper engagement to opposite fixture.

8.2 Join additional fixture to create row

With two people, raise second fixture to ceiling. At other end (opposite joint), insert aircraft cable through adjuster. At joint, insert temporary hooks into suspended fixture. Ensure temporary hook is engaged on both fixtures.

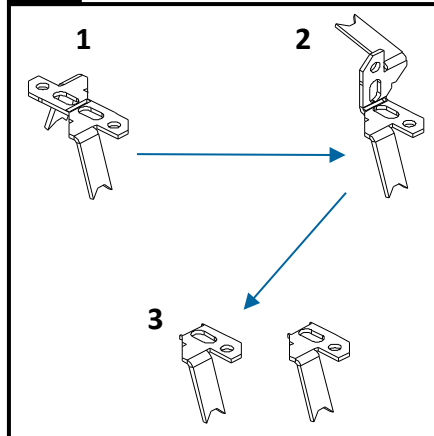
IMPORTANT: Do not attempt to join fixtures on floor. Instead, hang one fixture at a time and join modules at ceiling level.

! **ATTENTION:** Install in accordance with local and national building and electric codes.

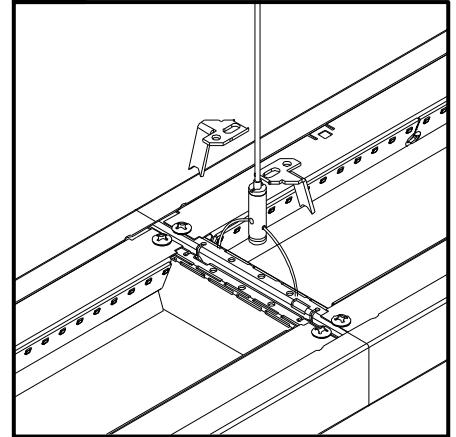
9 Complete Electrical Connections

Complete in-row electrical connections.
NON-POWER LOCATIONS: Use supplied quick-wire connectors. Tuck wires into wire cavity.

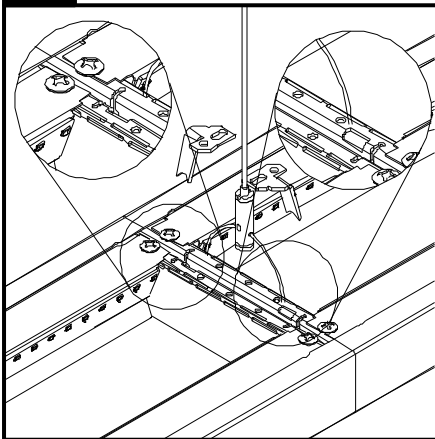
POWER LOCATIONS: Remove installed quick-wire connectors and complete electrical connections using wire nuts (supplied by others). Tuck wires into wiring cavity.

10 Locking Plate

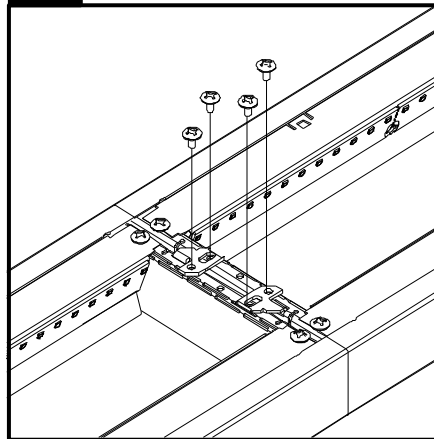
Break locking plate in two halves

11 Join additional fixture

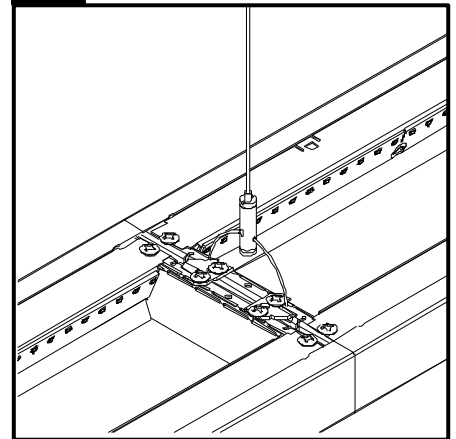
SLIDE MODULES TOGETHER: Drop in the locking plate provided in the joint kit. Locking plate will interlock the two fixtures together

12 Secure with locking plate

Location of locking plate insertion.

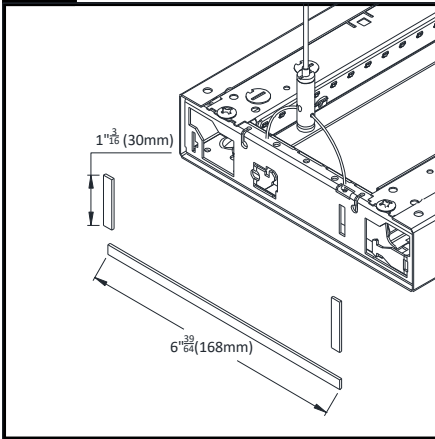
13 Locking Plate

After the locking plate is inserted, secure the locking plate to the crossplate. Using a Philips head screwdriver, tighten screws until the two fixtures pull together creating a seamless gap.

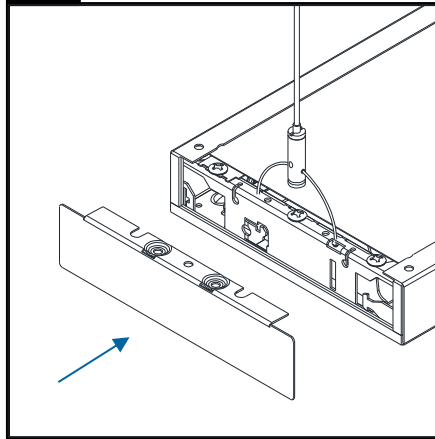
14 Join additional fixture

Installed Locking Plates

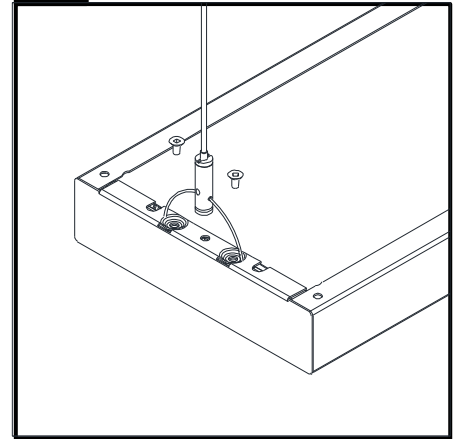
! **ATTENTION:** Install in accordance with local and national building and electric codes.

15 Gasket Installation

Cut, peel and stick the gasket to the edge of the luminaire as shown. Refer to steps 7-7.2 for more instructions.

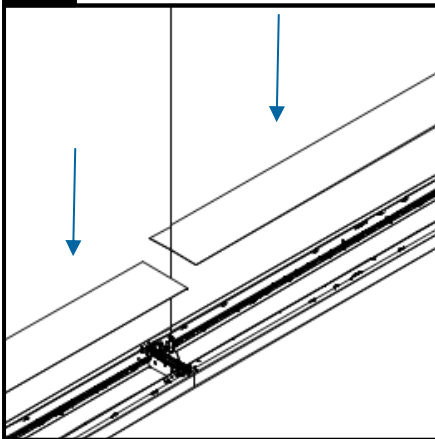
16 Install Endcaps

Place the endcap on top of the crossplate. Align to luminaire.

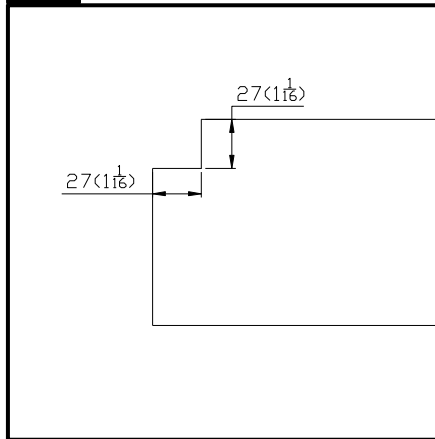
17 Install Endcaps

Using the provided Phillips screws (black), attach endcaps to bracket.

IMPORTANT: Do not over-tighten endcap fasteners. Signify Ledalite recommends tightening fasteners by hand. When screwhead is flush with crossplate, turn an additional full turn

18 Install Dust Cover

Tuck in dust cover into fixture.

19 Install Dust Cover

On the power drop side of the luminaire, trim the dust cover as shown above to clear the power cord.

! **ATTENTION:** Install in accordance with local and national building and electric codes.

INSTALLATION

WARNINGS AND INSTRUCTIONS FOR LUMINAIRES

IMPORTANT: THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

FOR YOUR PROTECTION, YOU MUST CAREFULLY READ ALL WARNINGS AND INSTRUCTIONS IN THEIR ENTIRETY PRIOR TO INSTALLATION, OPERATION, SERVICE OR MAINTENANCE. FAILURE TO DO SO CAN RESULT IN DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. If you do not understand these warnings and instructions, or if additional information is desired, please contact the Customer Care Call Center at 800-555-0050.

- Installation, service and maintenance of luminaires must be performed by a qualified professional and in accordance with all federal, state and local laws, regulations and electrical codes. This professional should be familiar with the construction and operation of this product and any hazards involved. If not qualified, do not attempt installation, service or maintenance.
- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts, abrasions and other hazards, please read all warnings and instructions included with the luminaire, on the luminaire's packaging and affixed to the luminaire itself.
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaire's construction and operation and any hazards involved.



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Disconnect or turn off power before attempting any installation, service or maintenance.
- Verify that supply voltage is correct by referencing the luminaire label information.
- Make all electrical and ground connections in accordance with the National Electrical Code (NEC) and any other applicable laws, regulations or codes.
- All wiring connections must be capped with UL-approved wire connectors.



WARNING

RISK OF PERSONAL INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.



WARNING

RISK OF FIRE OR PERSONAL INJURY

- Keep combustible materials away from LED/lamp & lens.
- Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Allow LED/lamp & lens to cool before handling.
- Do not touch enclosure or light source.
- Do not exceed maximum wattage marked on luminaire label.
- Follow all manufacturer's warnings, recommendations, instructions and restrictions for driver type, burning position, mounting locations and replacement.



CAUTION

RISK OF PRODUCT DAMAGE

- Never connect luminaires and/or components under load with supply voltage turned on.
- Do not mount or support these luminaires in a manner that can cut the outer jacket or damage wire insulation.
- Do not restrict fixture ventilation. Allow for some volume of airspace around luminaire. Avoid covering luminaire with insulation, foam or other material that will prevent convection or conduction cooling.
- Do not exceed luminaire maximum ambient temperature.
- Do not modify the luminaire.
- Only use luminaire in its intended application and location.
- LED products are polarity sensitive. Ensure proper polarity before installation.
- Electrostatic Discharge (ESD) can damage LED. Personal grounding equipment must be worn during all installation and servicing of the luminaire.
- Do not touch individual electrical components as this can cause ESD, shorten LED life, or impact LED performance.
- Some components inside the luminaire may not be serviceable. In the unlikely event your luminaire may require service, stop using it immediately and contact the Customer Care Call Center at 800-555-0050.
- Always read the luminaire's complete installation instructions prior to installation for any additional luminaire specific warnings.
- In the case of HID or Fluorescent luminaires, regular re-lamping is required to keep luminaire operating within safe limits
- **Do not install damaged product.** Handling and installing damaged products can potentially increase the risks mentioned. In case of damage and/or missing parts upon arrival of the luminaire, please contact the Customer Care Call Center at 800-555-0050.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation or maintenance. Should further information be desired, or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to the Customer Care Call Center at 800-555-0050. Please see luminaire specific Installation and Maintenance Instruction for additional warnings or any applicable FCC or regulatory statements. Failure to follow any of these instructions could void luminaire warranties.
- **Luminaire Maintenance**
- Regular luminaire maintenance programs are recommended.
- It is recommended to clean the outside of the luminaire and the refractor/lens.
- Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user.
- If clean water is not sufficient for cleaning, use a neutral, synthetic, non-scratching and non-abrasive cleaning substance.
- Never use alkaline and/or acetous cleaning substances.
- Make sure that the cleaning substance is carefully removed by rinsing with lots of clean water.
- Signify recommends using a cleaning solution that has a PH between 5 and 8.
- Recycle: For information on how to recycle electronic products and components, please visit www.epa.gov.