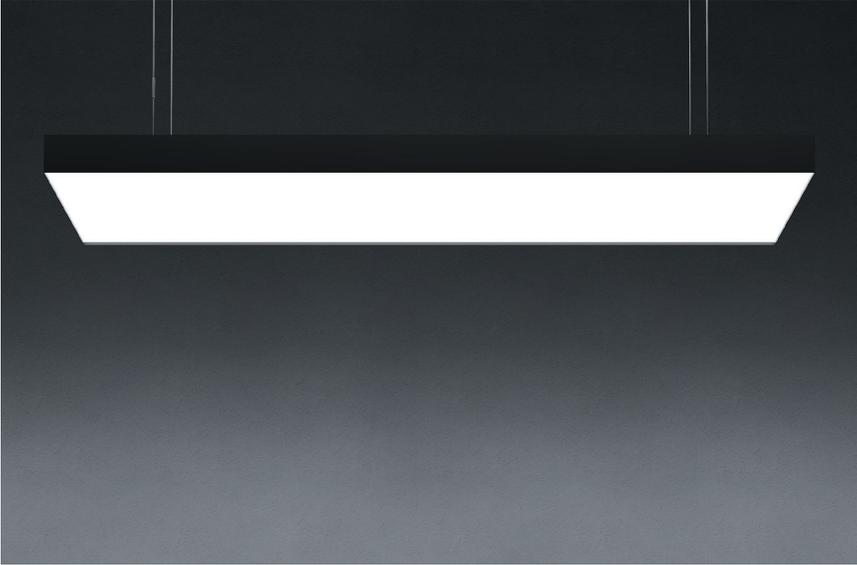




# COOLEGE LUMINOUS CEILINGS

## FABRICATED LUMINAIRE - SUSPENDED

### INSTALLATION GUIDE



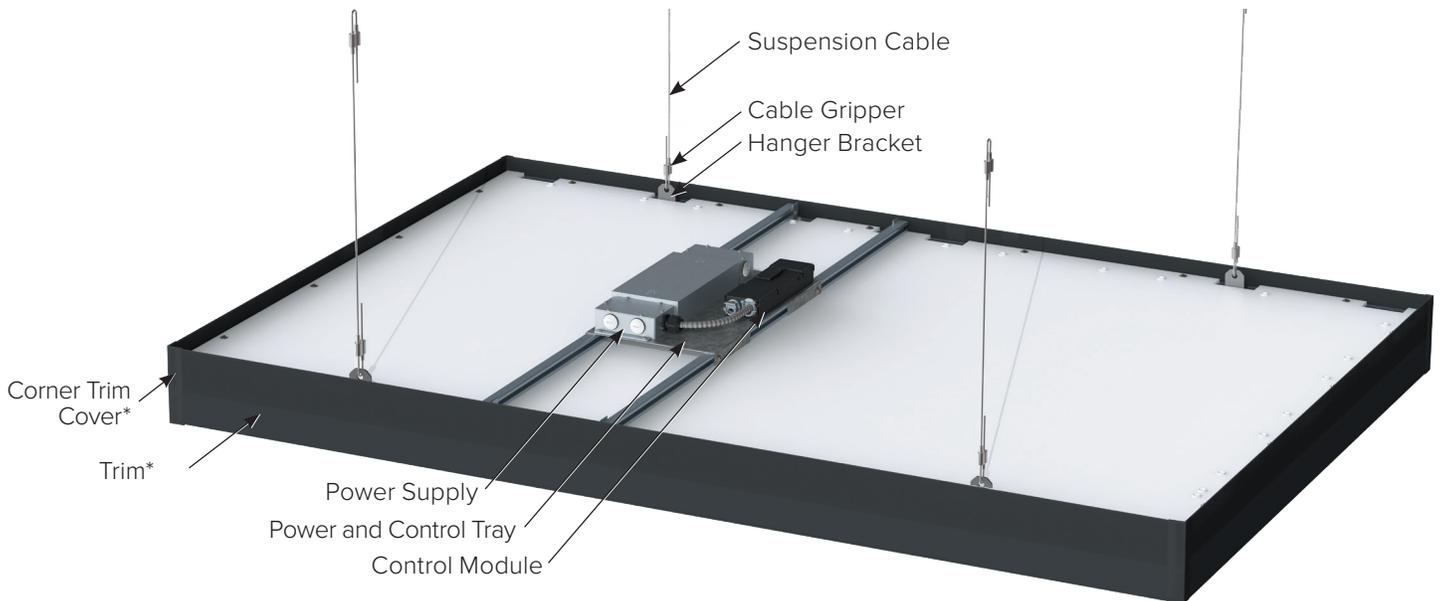
Cooledge **FABRICated Luminaires** are a simple, out-of-the-box way to incorporate the unique look and feel of a stretch fabric ceiling into your space. Bring the feeling of the outdoors inside: fill an open concept space with clouds of light that also absorb sound to deliver an environment that truly caters to people.

Suspended luminaires deliver immersive illumination and noise reduction for:

- Showrooms
- Lobbies
- Open-plan Offices
- Shop-in-shop Retail

Rectangle units feature Cooledge's unique "Infinity Edge" design for uniform illumination from edge to edge.

### 1. COMPONENTS (AIRCRAFT CABLE MOUNTING)



\*Rectangle units only



RoHS



Contact Cooledge for ordering information for JAS compliant models.

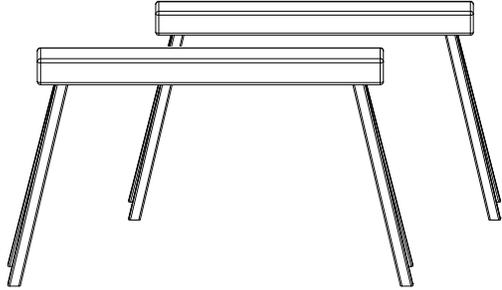


5 Year Limited Warranty: Parts and workmanship

## 2. TOOLS

**⚠ WARNING:** Wear clean cotton or latex gloves when handling Cooledge FABRICated Luminaires.  
Do not remove the plastic protective film until the point noted in this install guide.

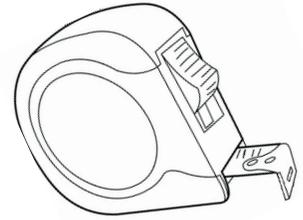
Saw Horses



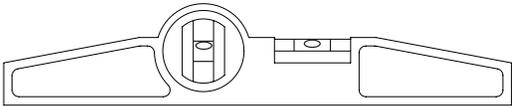
Gloves



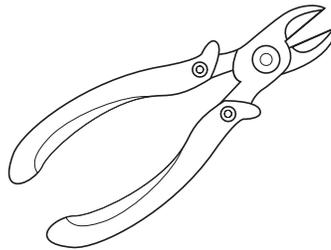
Measuring Tape



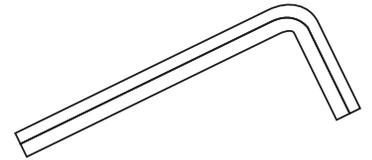
Level



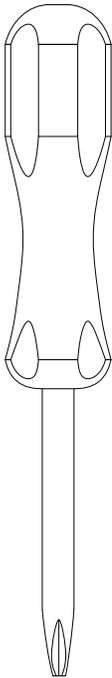
Cable Cutters



4mm Hex Key



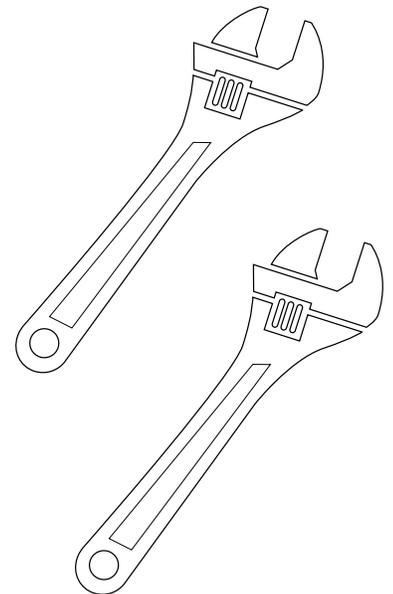
#2 Phillips Screwdriver



3mm Flat Head Screwdriver



2x wrenches (only required for threaded rod mounting)

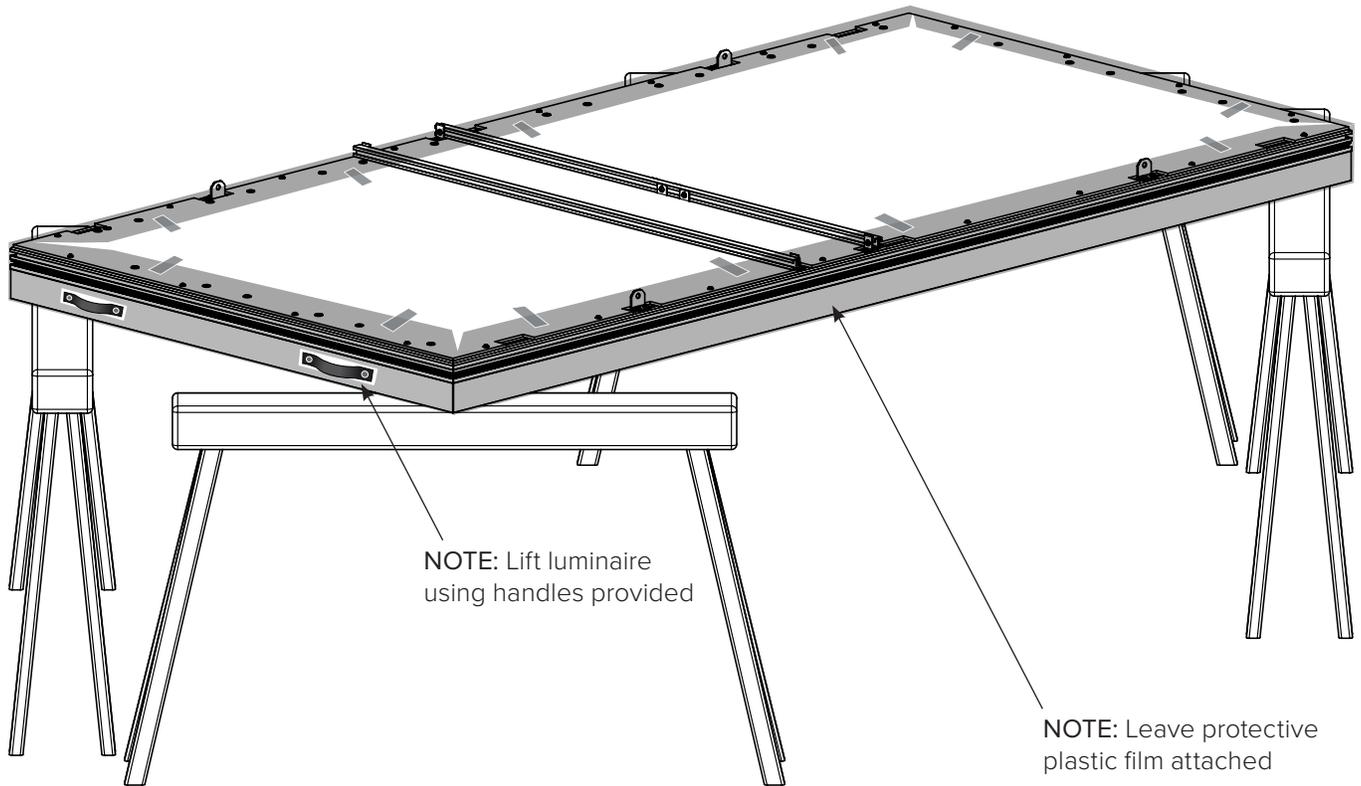


**⚠ CAUTION:** Observe precautions for handling electrostatic sensitive devices.

**⚠ CAUTION:** Use appropriate Personal Protective Equipment (PPE) to ensure safety at work.

### 3. INSTALLATION PROCEDURE (AIRCRAFT CABLE MOUNTING)

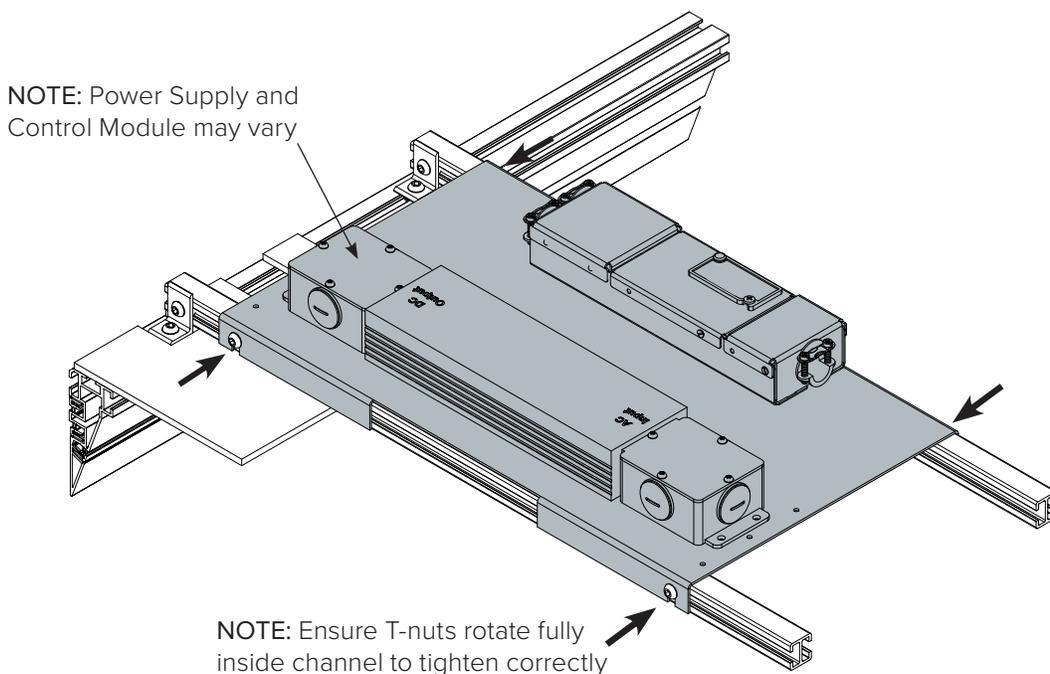
#### 3.1. UNPACK LUMINAIRE AND PLACE FACE DOWN ON SAW HORSES AT CORNERS



#### 3.2. ATTACH POWER AND CONTROL TRAY(S) TO STIFFENERS

NOTE: Trays may be mounted remotely. In this case, the DC power connections should be made to the Luminaire (section 2.3) with a suitable length of cable.

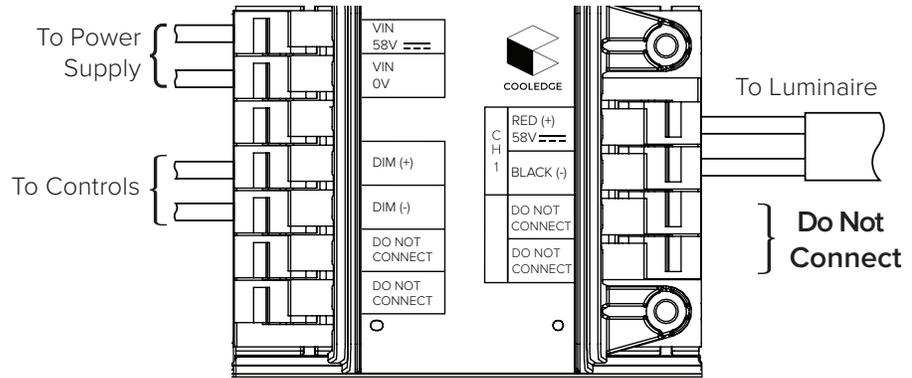
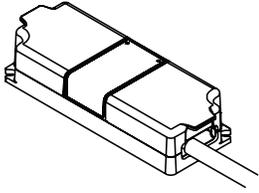
Refer to EXT-0071 Cooledge Lighting Control Module User Guide for setting up the control module.



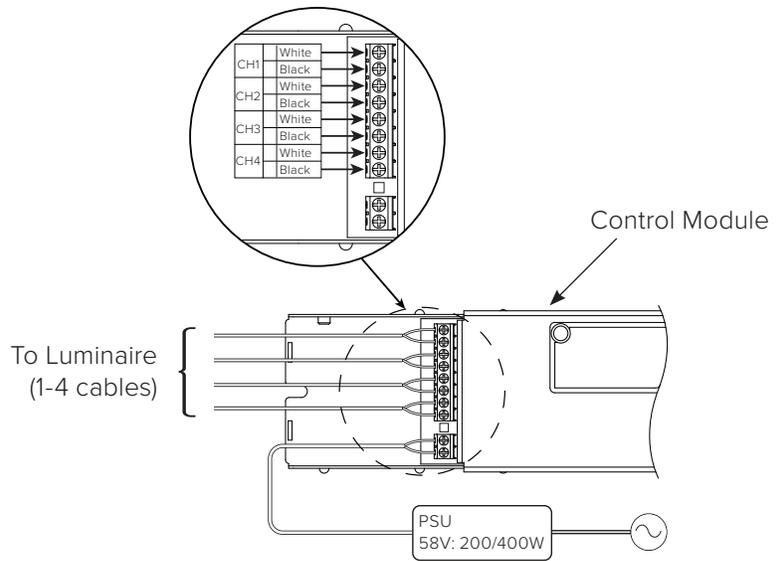
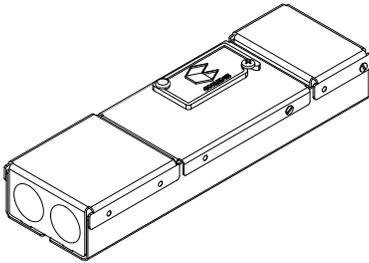
### 3.3. CONNECT POWER AND CONTROL TRAY TO LUMINAIRE

NOTE: The power and control tray type will vary depending on region, luminaire size, and control protocol.

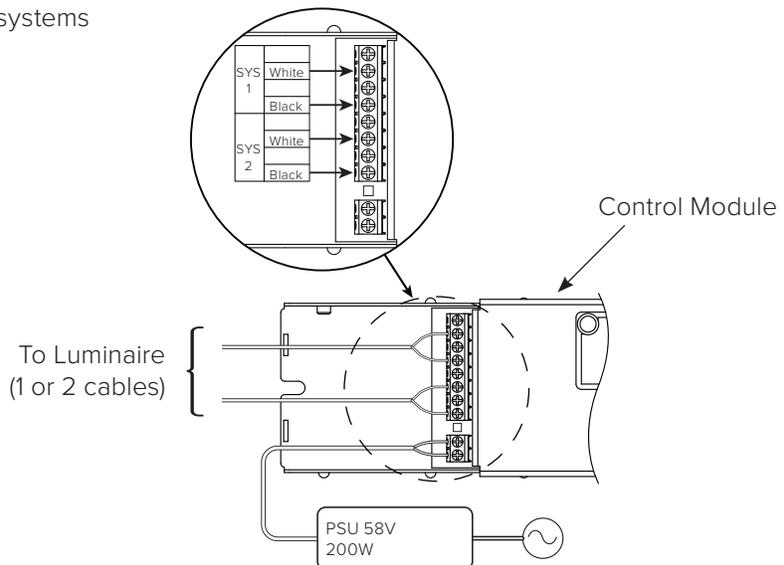
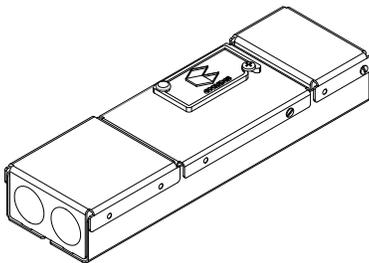
#### 1-CHANNEL Control Module Wiring Connectors (CE compliant systems only)



#### Static Color Temperature (SCT) Systems



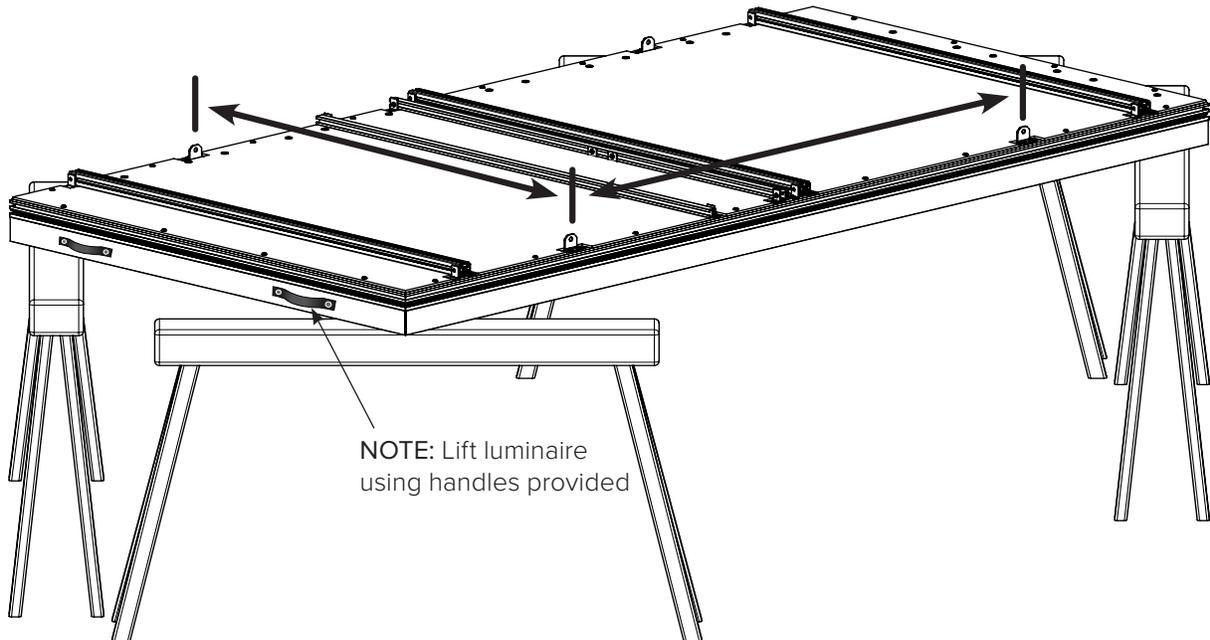
#### Tunable White (TNW) and Dim-to-Warm (DTW) systems



### 3.4. ESTABLISH THE REQUIRED POSITIONS FOR SUSPENSION CABLES

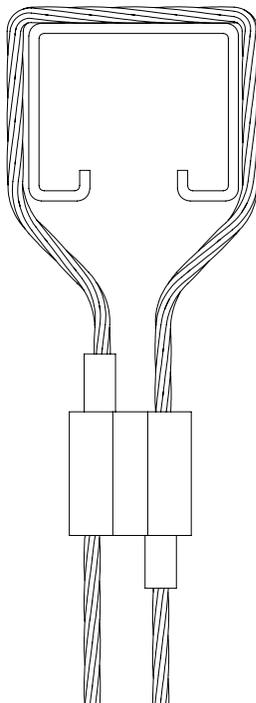
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Either measure between the suspension points or refer to TABLE 1, PAGE 17.



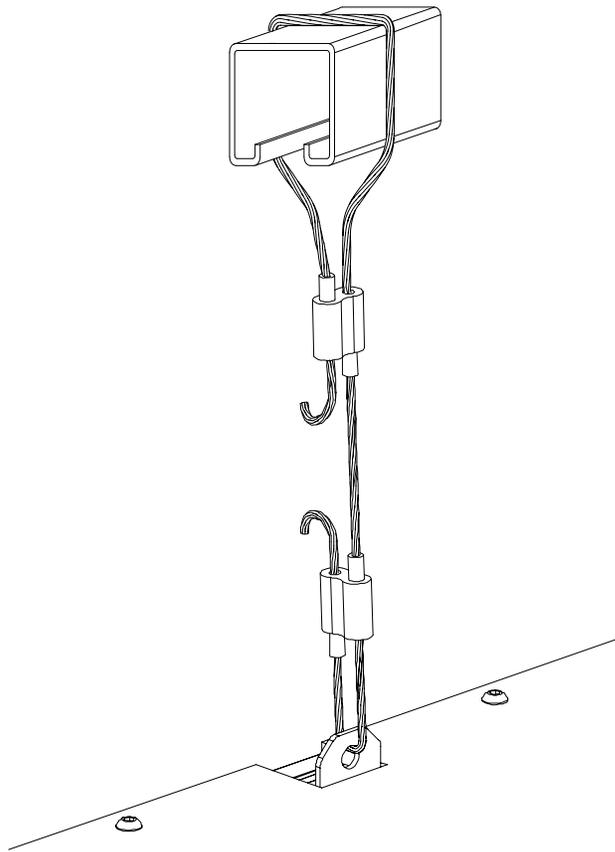
### 3.5. ATTACH CABLES TO CEILING ANCHOR POINTS AT REQUIRED POSITIONS

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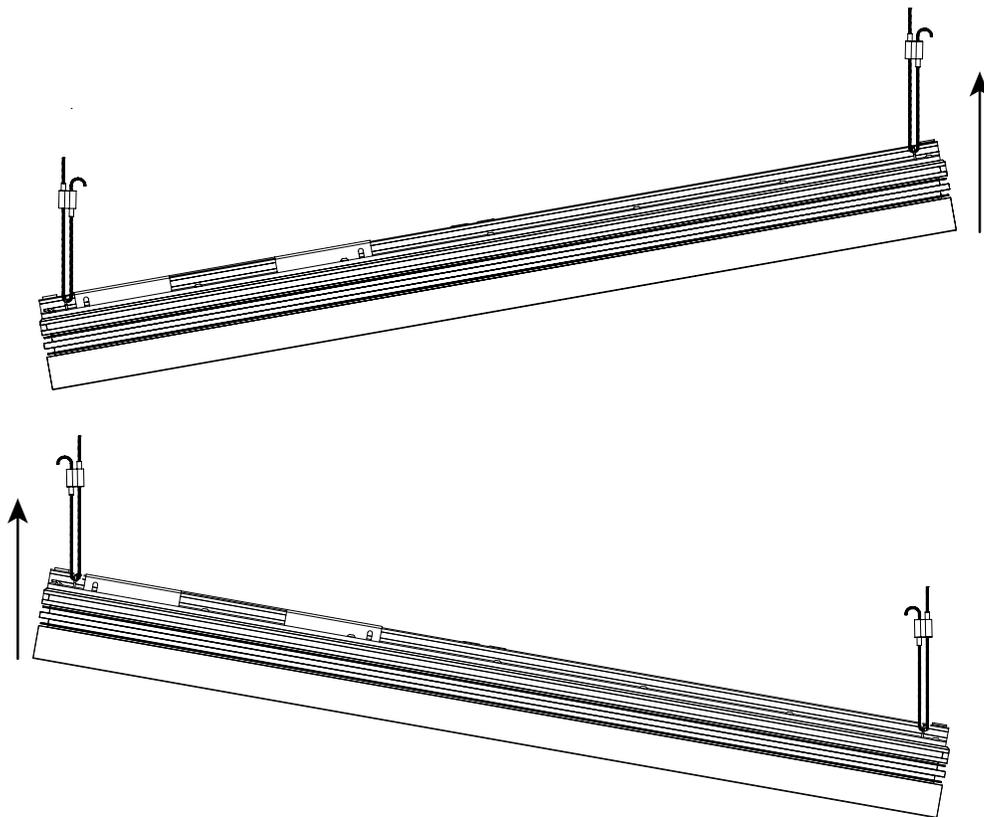
### 3.6. ATTACH CABLES TO HANGER BRACKETS WITH GRIPPERS

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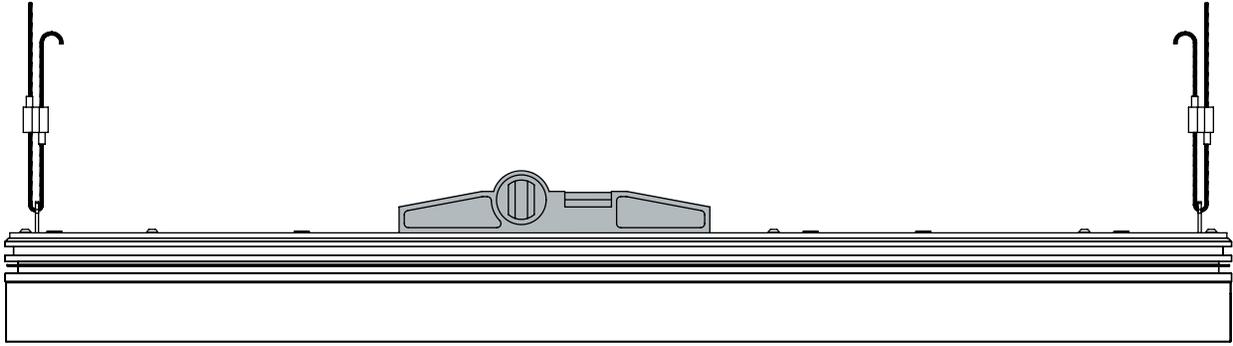
### 3.7. RAISE LUMINAIRE TO REQUIRED HEIGHT

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### 3.8. LEVEL THE LUMINAIRE

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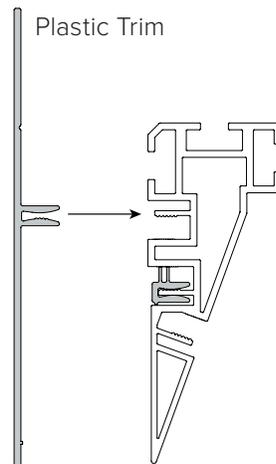
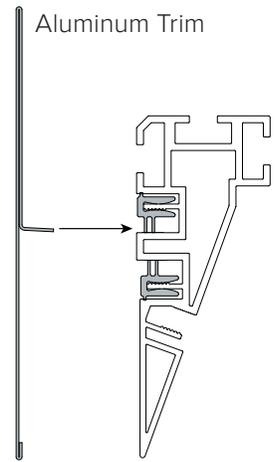
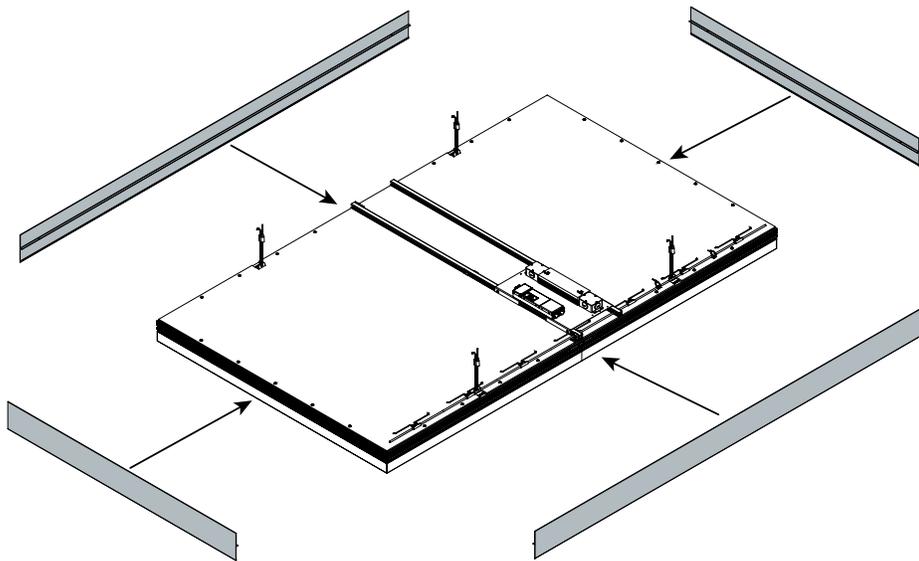
### 3.9. REMOVE THE PROTECTIVE PLASTIC WRAPPING AND LIFTING HANDLES

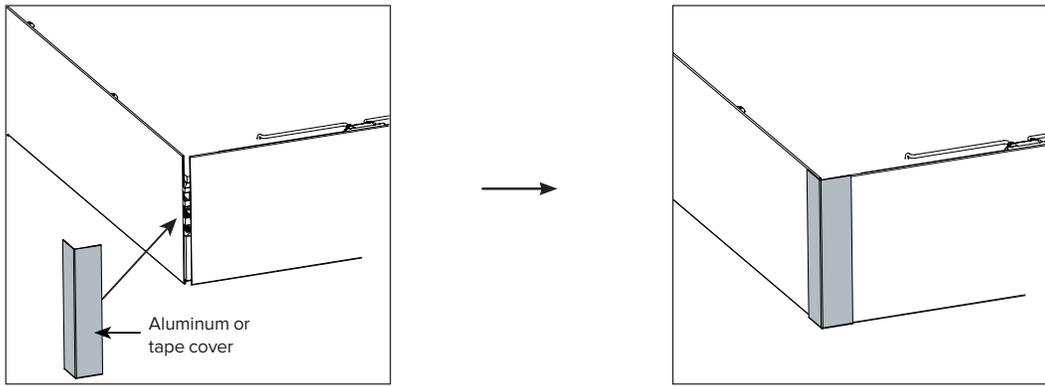
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Remove the lifting handles using a 4mm Hex Key.  
Ensure you wear gloves from this point forward to prevent marks on the fabric.

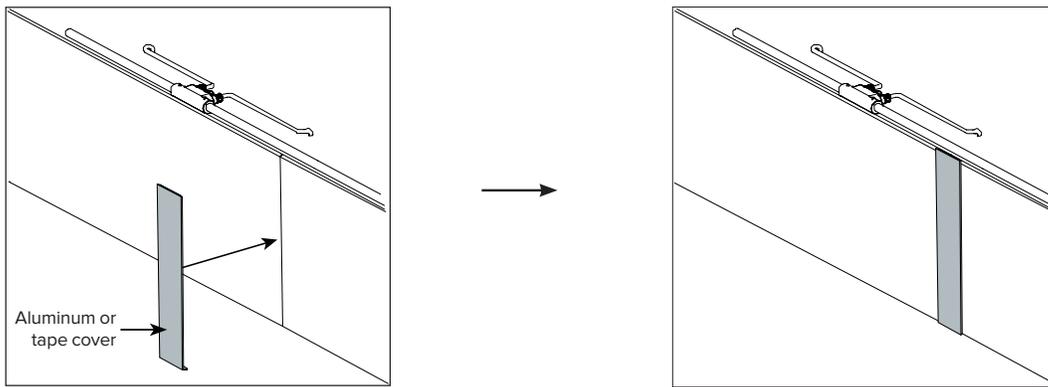
### 3.10. ATTACH THE TRIM (FASCIA) (RECTANGLE UNITS ONLY)

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Remove adhesive liner from corner trim cover or tape and apply to corner.  
 Aluminum Trim only: Make sure the bottom flange of the cover is touching the bottom of the trim.



Remove the adhesive liner from trim cover (or tape) and apply to the trim joint.  
 Aluminum Trim only: Make sure the bottom flange is touching the bottom of the trim.

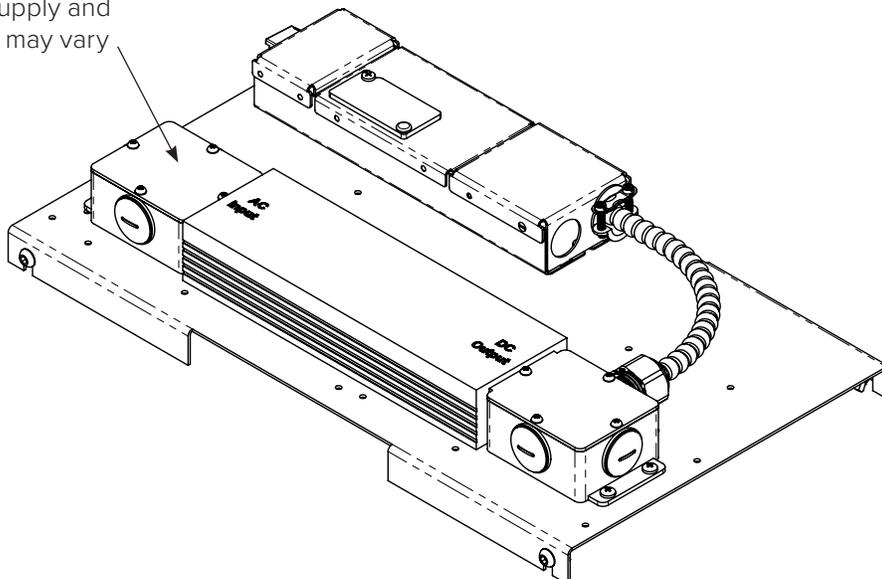
### 3.11. CONNECT THE ELECTRICAL POWER

The electrical power connections should be made by a qualified electrician in accordance with all national and local electrical and construction codes.

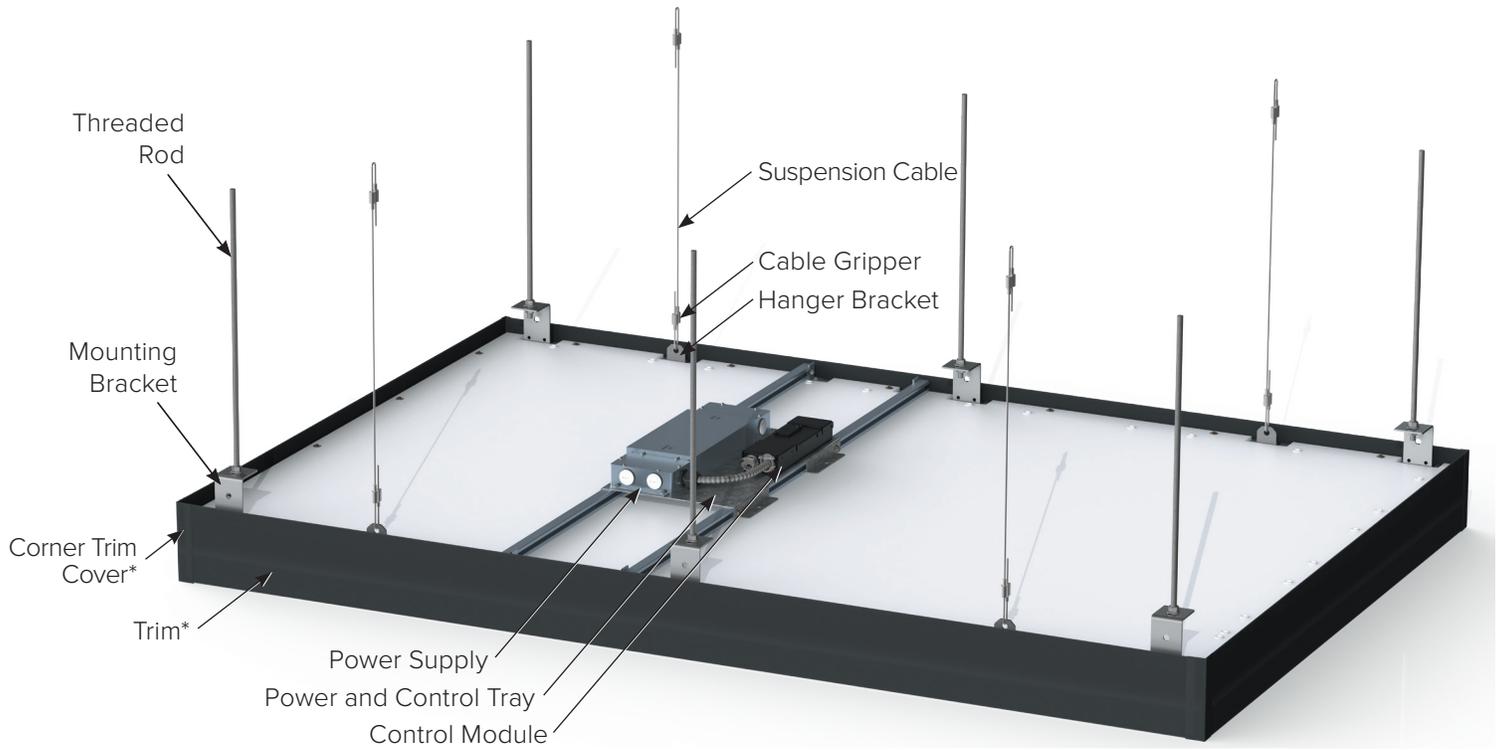
Refer to EXT-0071 Cooledge Lighting Control Module User Guide for setting up the control module.

Connect AC to Power Supply

**NOTE:** Power Supply and Control Module may vary

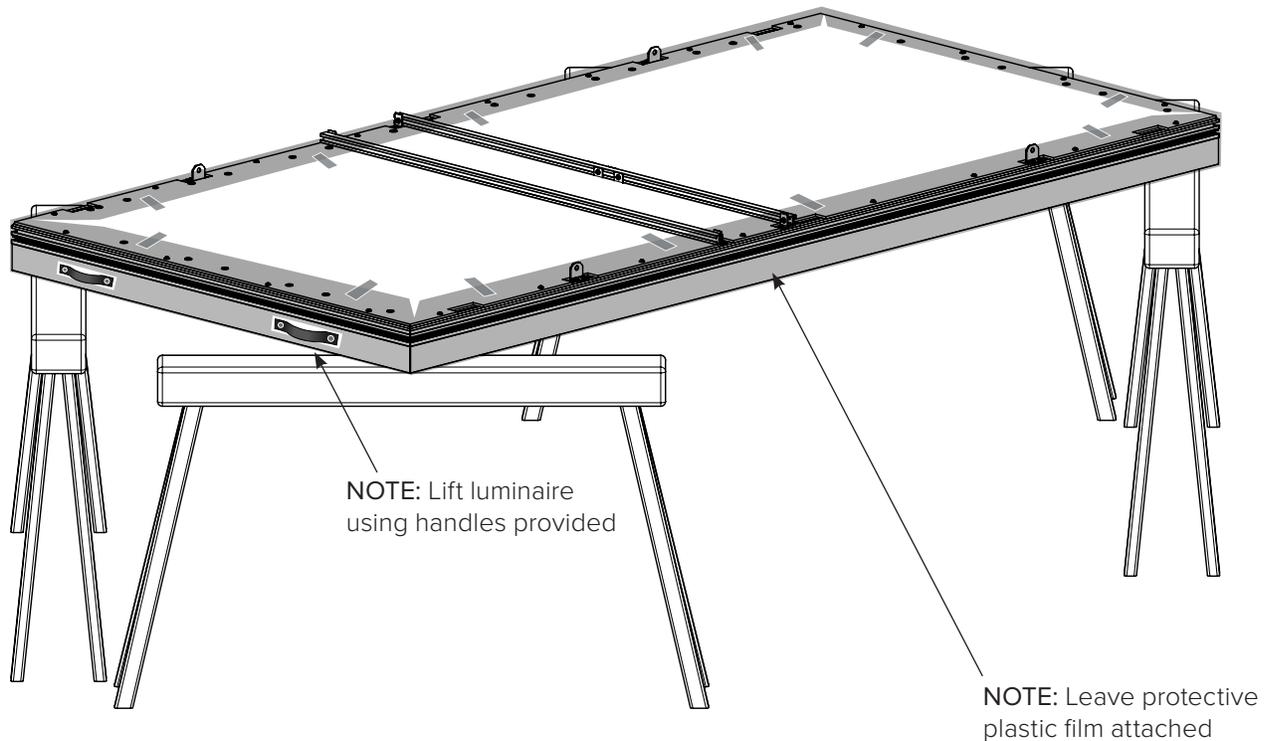


## 4. COMPONENTS (THREADED ROD MOUNTING)



## 5. INSTALLATION PROCEDURE (THREADED ROD MOUNTING)

### 5.1. UNPACK LUMINAIRE AND PLACE FACE DOWN ON SAW HORSES AT CORNERS

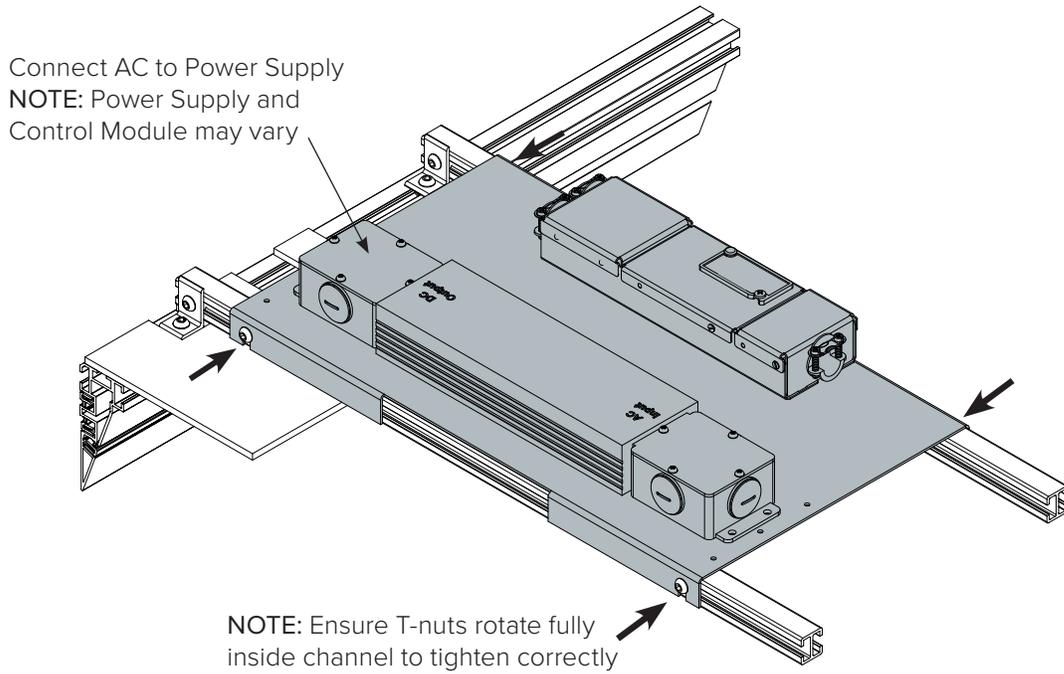


## 5.2. ATTACH POWER AND CONTROL TRAY(S) TO STIFFENERS

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**NOTE:** Trays may be mounted remotely. In this case, the DC power connections should be made to the Luminaire (section 2.3) with a suitable length of cable.

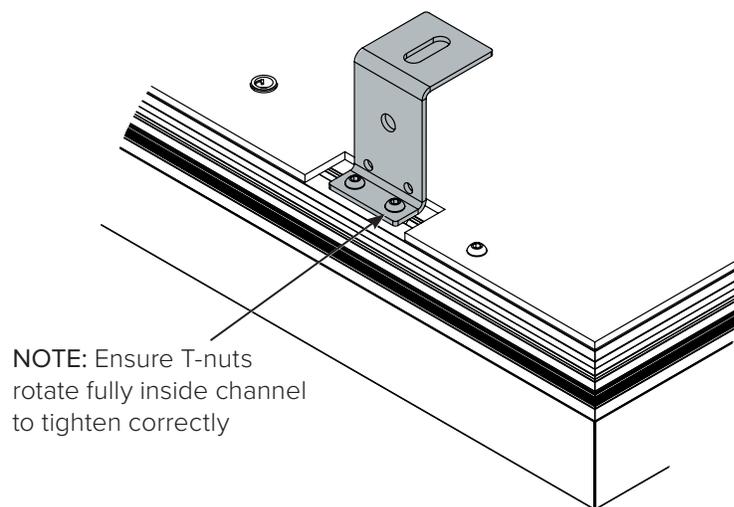
Refer to EXT-0071 Cooledge Lighting Control Module User Guide for setting up the control module.



## 5.3. ATTACH MOUNTING BRACKETS

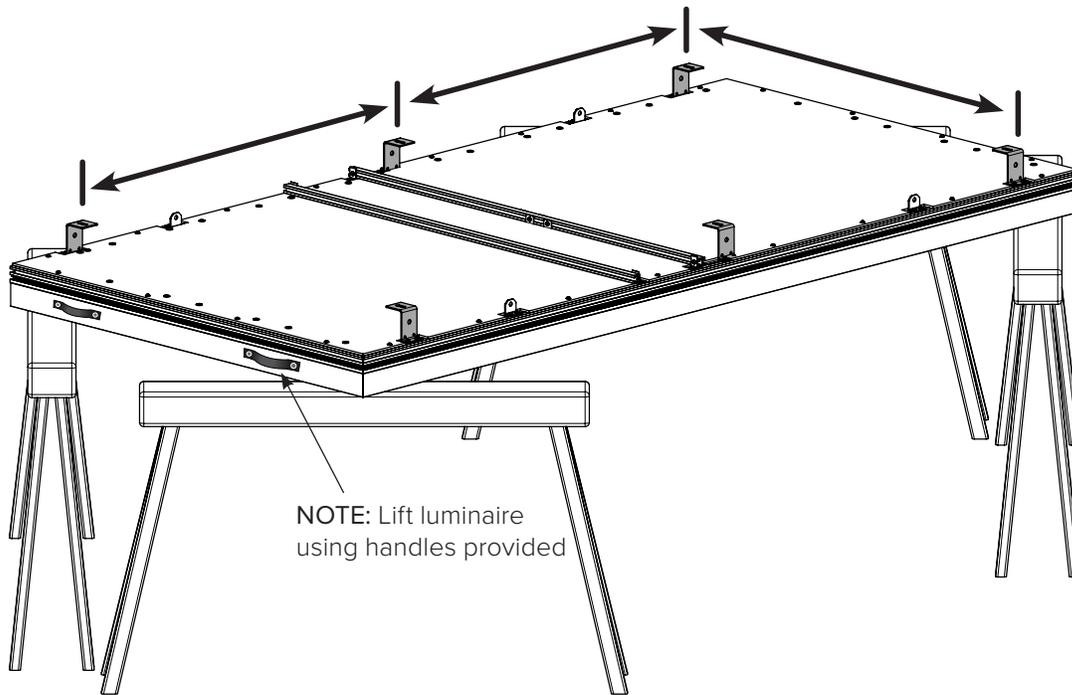
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**NOTE:** Smaller sizes require four brackets; larger sizes require six or eight brackets (see TABLE 2, PAGE 18).



#### 5.4. ESTABLISH THE REQUIRED POSITIONS FOR THREADED RODS

Either measure between the suspension points or refer to TABLE 2, PAGE 18.

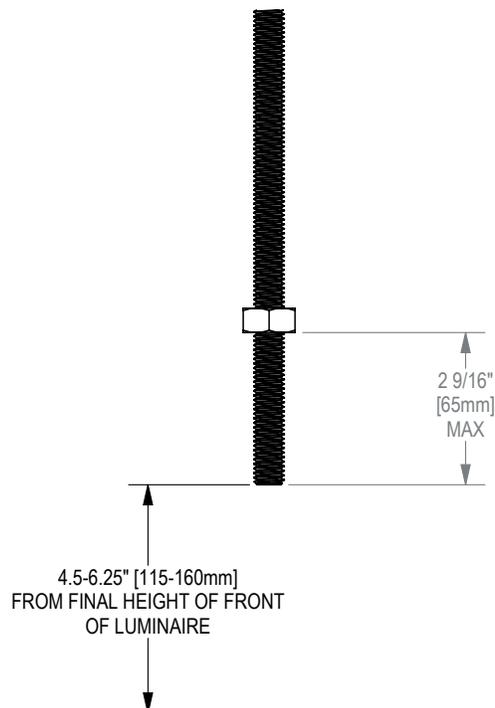


#### 5.5. MOUNT THREADED RODS TO CEILING STRUCTURE AT REQUIRED POSITIONS

Note: Threaded rods and associated hardware are not supplied by Cooledge.

Recommended size of threaded rod is 3/8"-16 or M10.

The lower end of the threaded rods must be 4.5" to 6.25" [115mm to 160mm] above the desired level of the fabric surface of the luminaire.

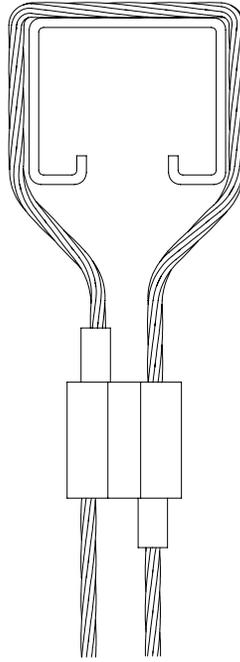


Install one nut on each rod at the desired height.

## 5.6. ATTACH FOUR CABLES TO THE CEILING ALONGSIDE THE THREADED RODS

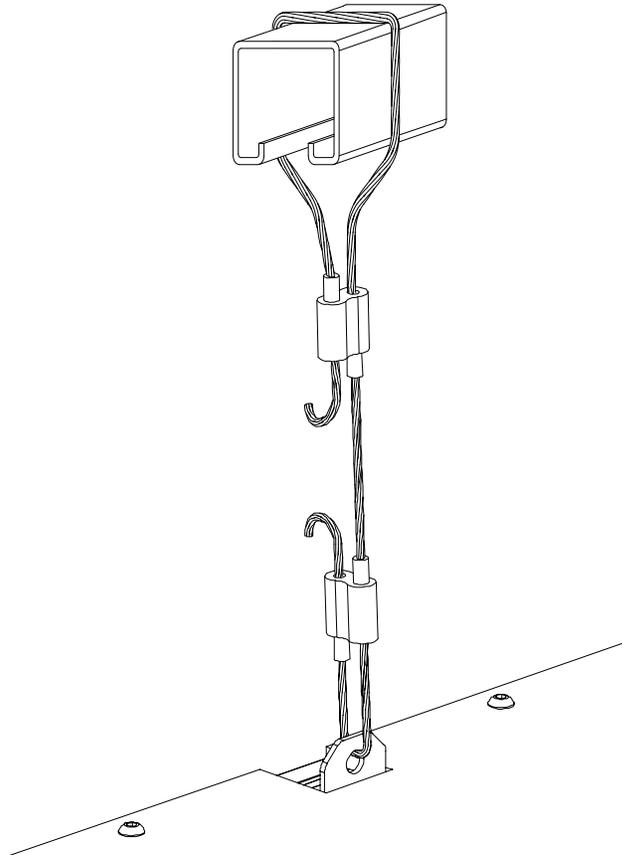
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NOTE: Cables are used to assist in installation but may be left in place if desired.



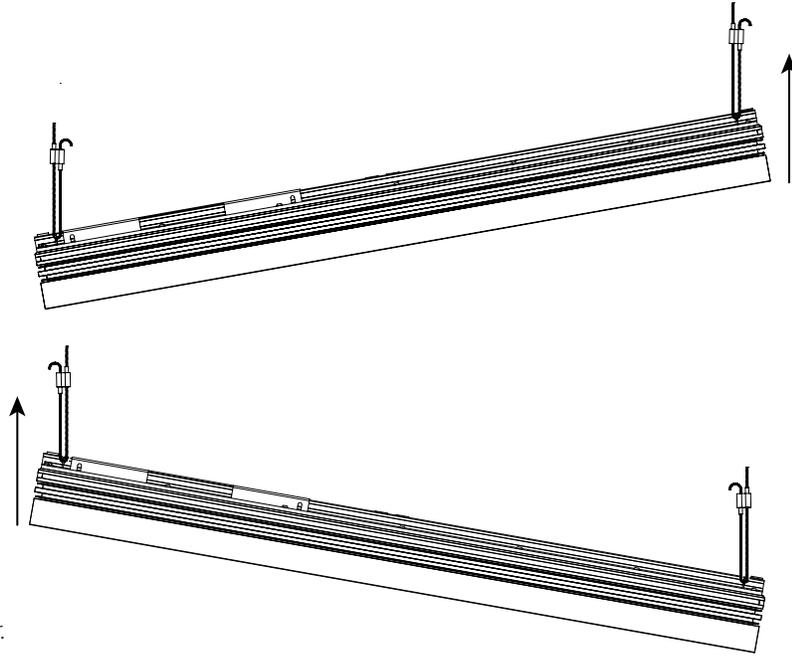
## 5.7. ATTACH CABLES TO HANGER BRACKETS WITH GRIPPERS

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## 5.8. RAISE LUMINAIRE TO JUST BELOW THREADED RODS

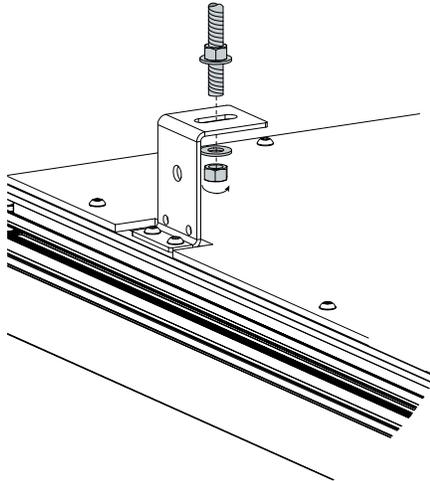
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*\*Example with cable gripper.*

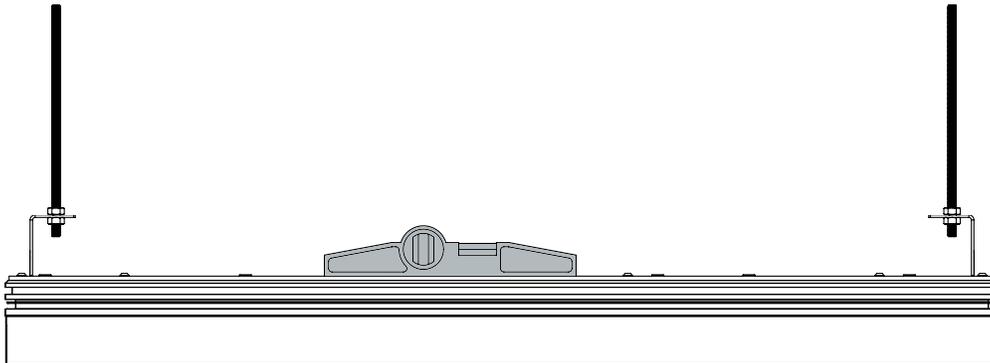
## 5.9. INSERT THREADED ROD INTO LUMINAIRE BRACKET

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## 5.10. LEVEL THE LUMINAIRE AND TIGHTEN THE FASTENERS ON THE THREADED ROD

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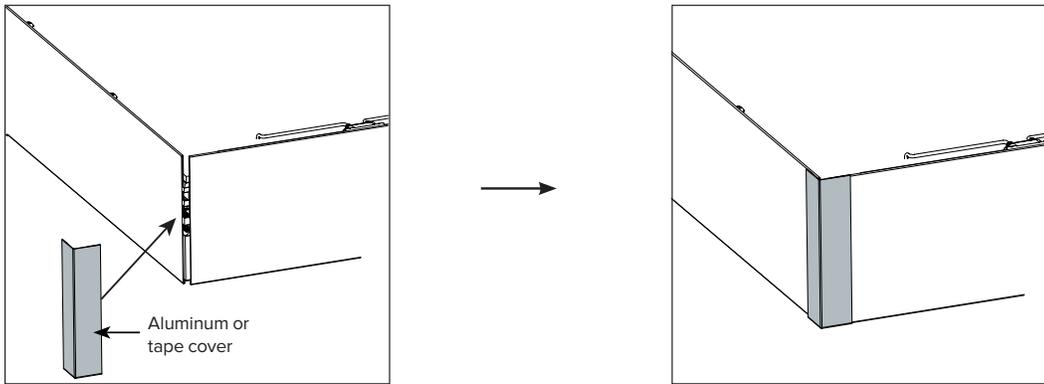
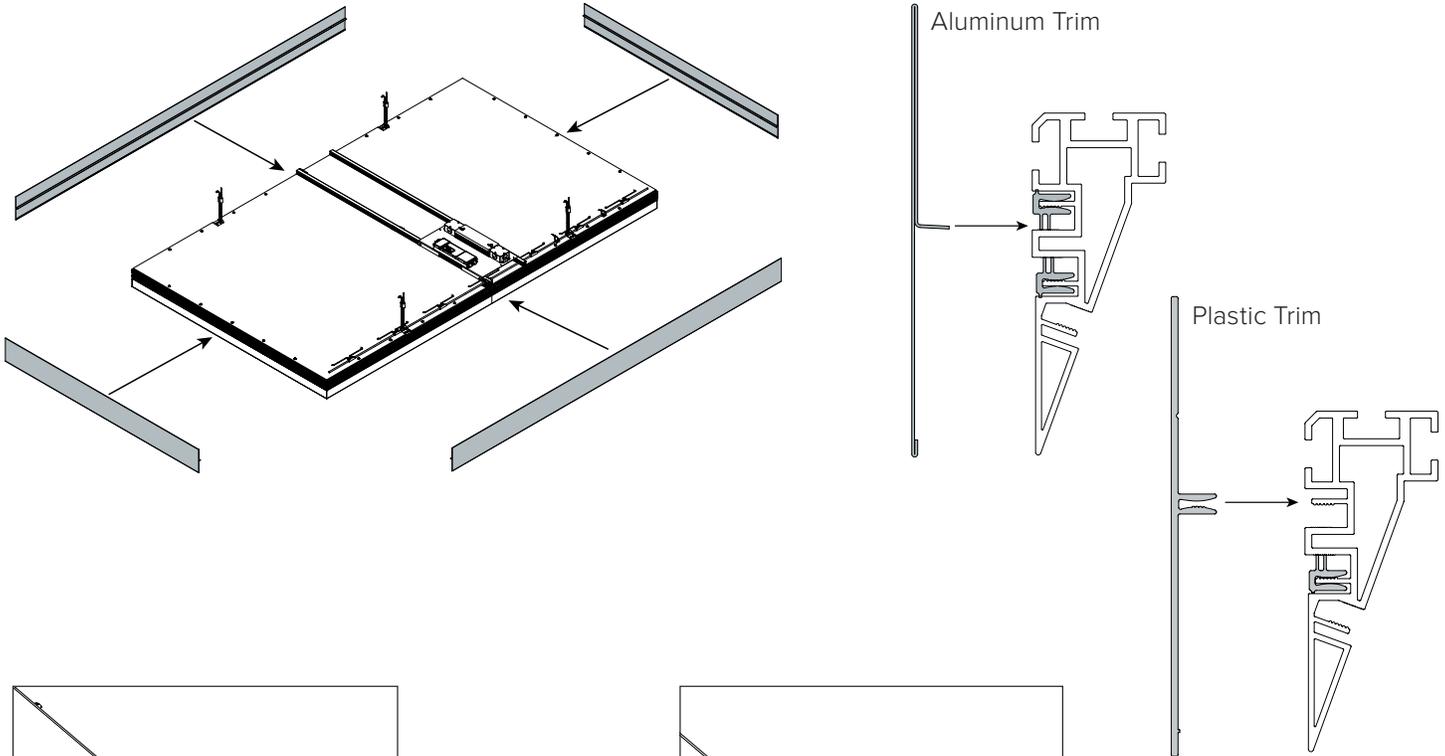


If cables are to be left in place, tighten to remove slack. Otherwise, remove cables.

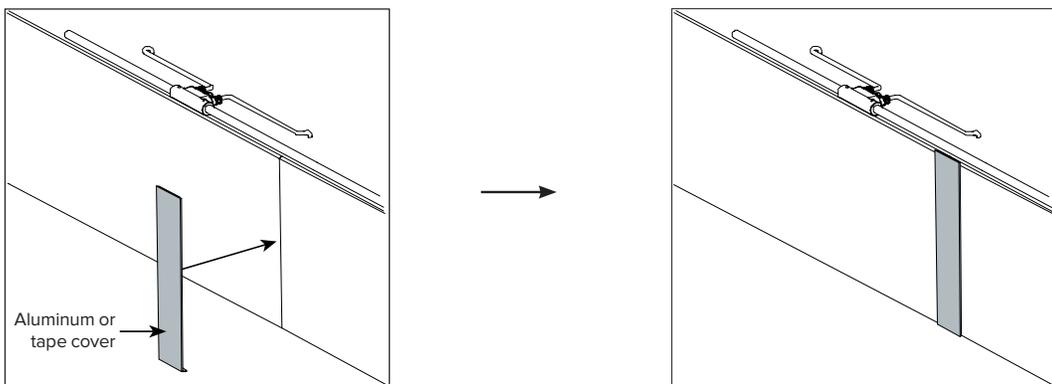
## 5.11. REMOVE THE PROTECTIVE PLASTIC WRAPPING AND LIFTING HANDLES

Remove the lifting handles using a 4mm Hex Key.  
Ensure you wear gloves from this point forward to prevent marks on the fabric.

## 5.12. ATTACH THE TRIM (FASCIA) (RECTANGLE UNITS ONLY)



Remove adhesive liner from corner trim cover or tape and apply to corner.  
Aluminum Trim only: Make sure the bottom flange of the cover is touching the bottom of the trim.



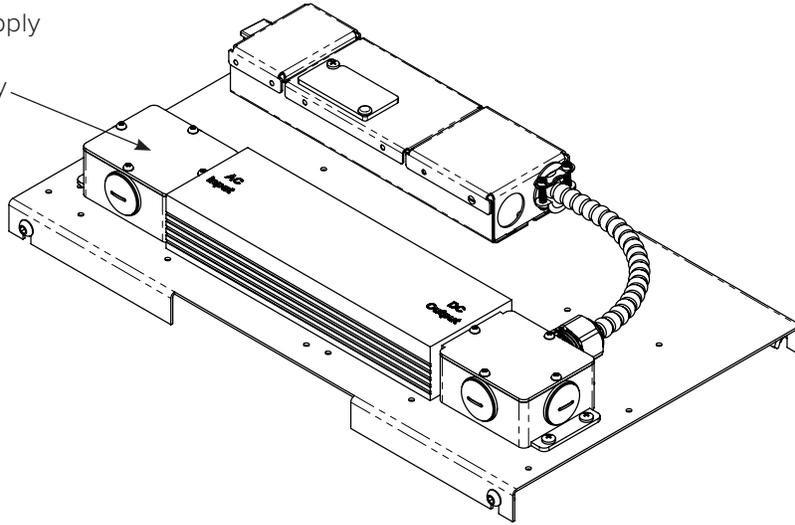
Remove the adhesive liner from trim cover (or tape) and apply to the trim joint.  
Aluminum Trim only: Make sure the bottom flange is touching the bottom of the trim.

### 5.13. CONNECT THE ELECTRICAL POWER

The electrical power connections should be made by a qualified electrician in accordance with all national and local electrical and construction codes.

Refer to EXT-0071 Cooledge Lighting Control Module User Guide for setting up the control module.

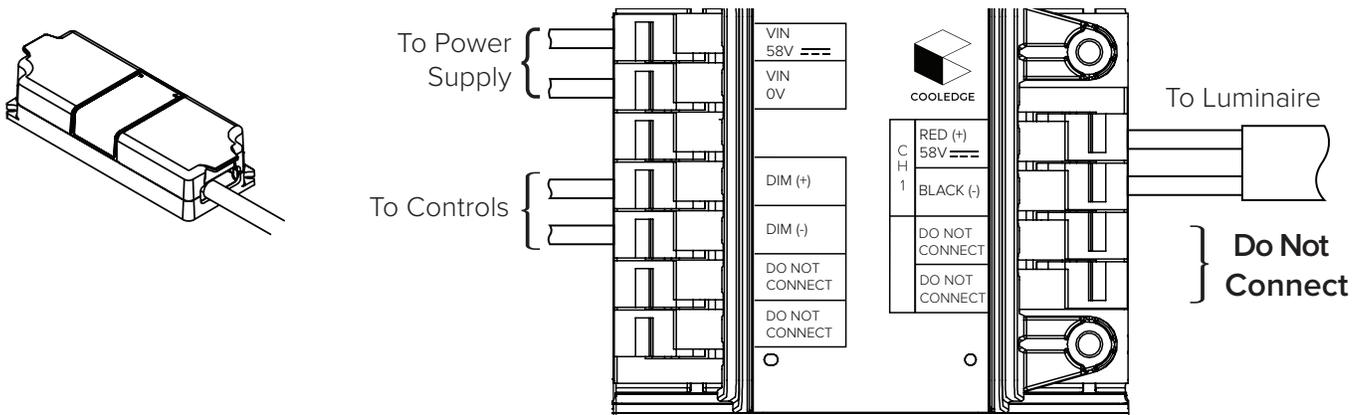
Connect AC to Power Supply  
**NOTE:** Power Supply and Control Modules may vary



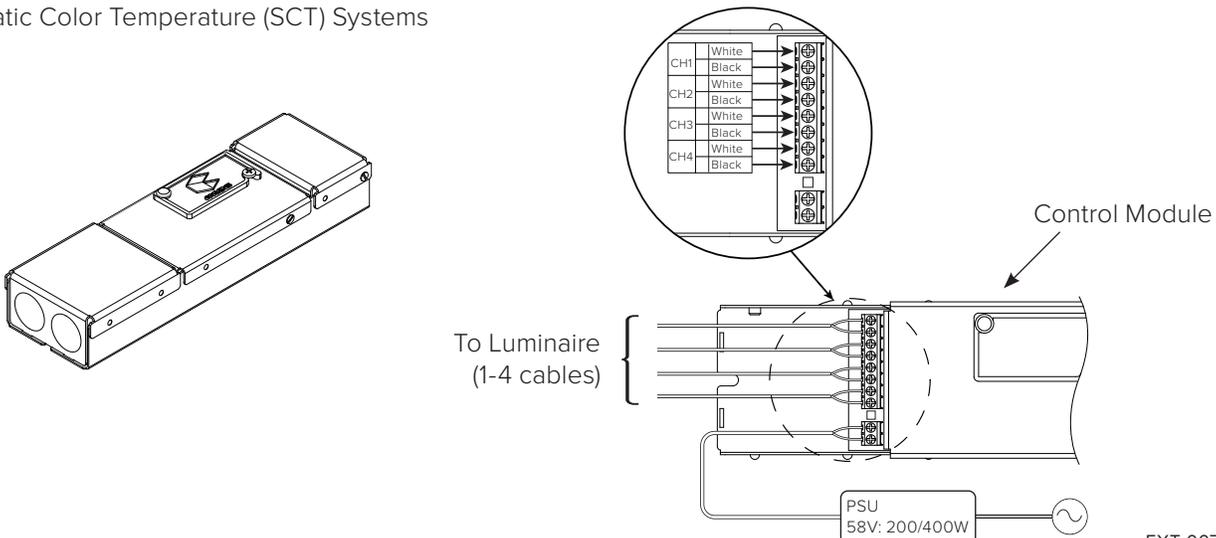
### 5.14. CONNECT POWER AND CONTROL TRAY TO LUMINAIRE

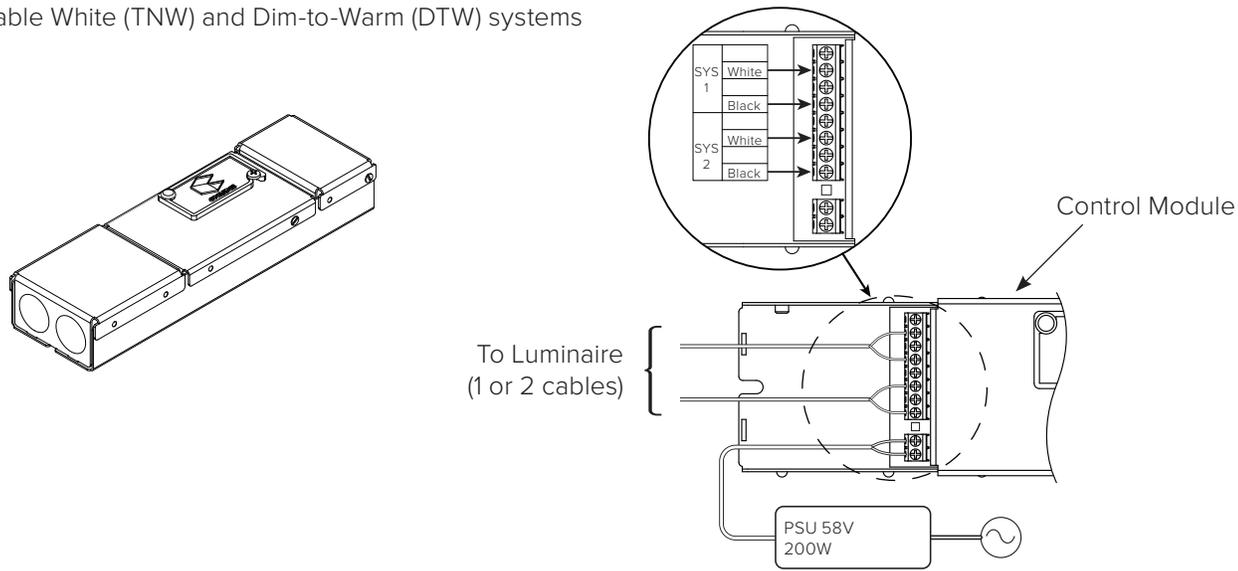
#### 1-CHANNEL

Control Module Wiring Connectors  
 (CE compliant systems only)



#### Static Color Temperature (SCT) Systems





## 6. HANDLING & MAINTENANCE

In general, Cooledge FABRICated Luminaires require little or no maintenance; however, if there is a need to handle or clean the luminaires, Cooledge recommends the following procedures.

### Handling:

- Always handle the luminaire from the sides and avoid touching the diffuser to prevent fingerprints, oil, or dirt from marking the fabric.
- Always use cloth gloves if handling the fabric diffuser.

### Cleaning:

#### Fabric Diffuser

Over time there may be some accumulation of dust from the environment. To remove dust there are several methods available including:

- Brush gently with a clean, micro fiber cloth or “magic eraser” (if available in your region)
- Vacuum with a clean brush-tip vacuum nozzle
- Blow with compressed air (ensure there is no oil or grease)
- Use an adhesive lint-roller (recommended to test a small area in case the specific type of roller leaves a residue)

For minor stains, spots or streaks, Cooledge recommends gently wiping the fabric with isopropyl alcohol, “IPA”, (99% or higher) applied to a clean, soft cloth and allow to dry.

**Note:** use of liquids other than IPA to clean the fabric diffuser may result in permanent stains. FABRICated Luminaires are rated for dry locations only and should not be exposed to moisture or direct contact with water.

#### Trim/Fascia

- Wipe trim with a clean, soft cloth

## 7. APPENDIX – POSITIONS OF SUSPENSION POINTS

### 7.1. CABLE ATTACHMENT POINTS

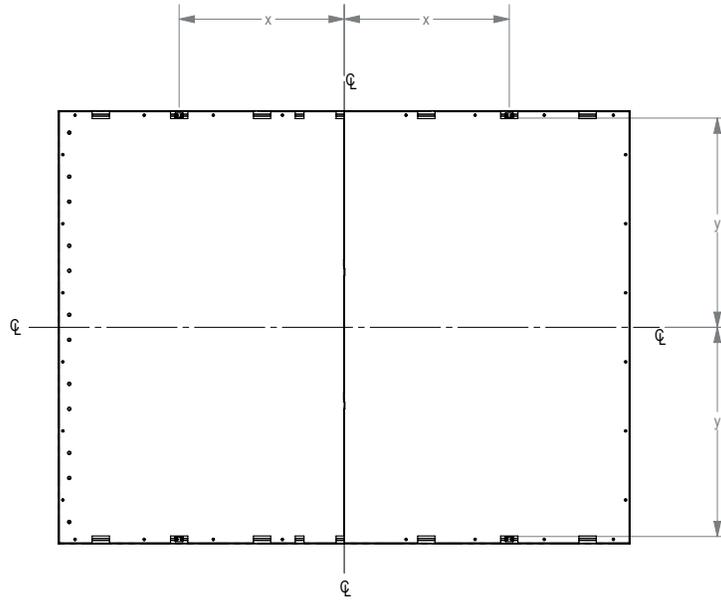


TABLE 1a - RECTANGLES

NOMINAL SIZE	# SUSPENSION POINTS	DIM "X"	DIM "Y"
4' X 4' (1200mm X 1200mm)	4	20 5/8" [525mm]	21 7/8" [555mm]
4' X 6' (1200mm X 1800mm)	4	21 5/8" [550mm]	21 7/8" [555mm]
4' X 8' (1200mm X 2400mm)	4	26 3/4" [680mm]	21 7/8" [555mm]
4' X 10' (1200mm X 3000mm)	4	38 1/8" [970mm]	21 7/8" [555mm]
5' X 5' (1500mm X 1500mm)	4	15 1/4" [387mm]	27 3/4" [705mm]
6' X 6' (1800mm X 1800mm)	4	16 1/2" [420mm]	36" [915mm]
6' X 8' (1800mm X 2400mm)	4	28 3/8" [720mm]	36" [915mm]
6' X 9' (1800mm X 2700mm)	4	33 1/6" [840mm]	36" [915mm]

TABLE 1b - CIRCLES

NOMINAL SIZE	# SUSPENSION POINTS	DIM "X"	DIM "Y"
4' (1200mm)	4	15 3/4" (400mm)	15 3/4" (400mm)
5' (1500mm)	4	24 3/8" (620mm)	24 3/8" (620mm)
6' (1800mm)	4	31 1/2" (800mm)	31 1/2" (800mm)
7' (2100mm)	4	31 1/2" (800mm)	31 1/2" (800mm)

TABLE 1c - CURVED CORNERS

NOMINAL SIZE	# SUSPENSION POINTS	DIM "x"	DIM "y"
4'X10' (1200X3000mm)	4	39 7/16" (1002mm)	18 3/4" (475mm)
6'X9' (1800X2700mm)	4	38 1/2" (980mm)	36 3/4" (934mm)

TABLE 1d - BULLNOSE

NOMINAL SIZE	# SUSPENSION POINTS	DIM "x"	DIM "y"
4'X8' (1200X2400mm)	4	27 1/2" (698mm)	22 3/16" (564mm)
5'X10' (1500X3000mm)	4	33 1/6" (840mm)	28 1/8" (715mm)

## 7.2. THREADED ROD ATTACHMENT POINTS

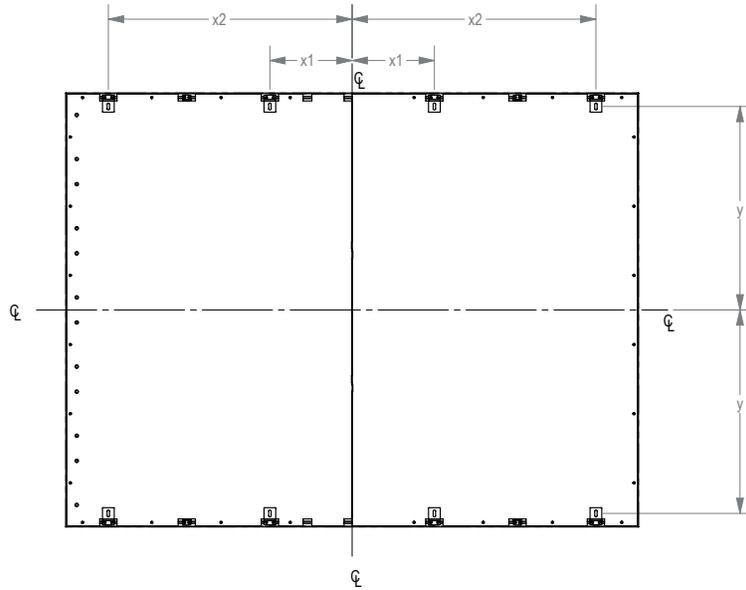


TABLE 2a - RECTANGLES

NOMINAL SIZE	# THREADED RODS	DIM "X1"	DIM "X2"	DIM "Y"
4' X 4' (1200mm X 1200mm)	4	15" [380mm]	N/A	20 7/8" [530mm]
4' X 6' (1200mm X 1800mm)	6	On center	27 1/2" [700mm]	20 7/8" [530mm]
4' X 8' (1200mm X 2400mm)	6	3 3/16" [81mm] one side only	37 1/4" [947mm]	20 7/8" [530mm]
4' X 10' (1200mm X 3000mm)	8	25 5/8" [650mm]	51 1/4" [1300mm]	20 7/8" [530mm]
5' X 5' (1500mm X 1500mm)	6	3 3/8" [86mm] one side only	22 1/16" [560mm]	26 9/16" [675mm]
6' X 6' (1800mm X 1800mm)	6	On center	29 15/16" [760mm]	34 13/16" [885mm]
6' X 8' (1800mm X 2400mm)	8	11 7/8" [300mm]	39 7/16" [1000mm]	34 13/16" [885mm]
6' X 9' (1800mm X 2700mm)	8	12 5/8" [320mm]	44 7/8" [1140mm]	34 13/16" [885mm]

TABLE 2b - CIRCLES

NOMINAL SIZE	# THREADED RODS	DIM "x"	DIM "y"
4' (1200mm)	4	14 1/8" (358mm)	14 1/8" (358mm)
5' (1500mm)	4	22 1/16" (577mm)	22 1/16" (577mm)
6' (1800mm)	4	29 13/16" (758mm)	29 13/16" (758mm)
7' (2100mm)	4	29 13/16" (758mm)	29 13/16" (758mm)

TABLE 2c - CURVED CORNERS

NOMINAL SIZE	# THREADED RODS	DIM "x1"	DIM "x2"	DIM "y"
4'X10' (1200X3000mm)	4	37 3/16" (944mm)	N/A	16 7/8" (428mm)
6'X9' (1800X2700mm)	6	On center	36 7/8" (937mm)	35 5/8" (905mm)

TABLE 2d - BULLNOSE

NOMINAL SIZE	# THREADED RODS	DIM "x1"	DIM "x2"	DIM "y"
4'X8' (1200X2400mm)	4	18 1/2" (470mm)	N/A	21 1/2" (545mm)
5'X10' (1500X3000mm)	6	On center	34 13/16" (884mm)	27 1/8" (689mm)



**RoHS**



Contact Coolegge for ordering information for JA8 compliant models.



**5 Year Limited Warranty:**  
Parts and workmanship