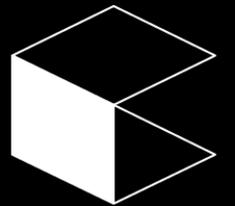


# SKYSPAN – SUSPENDED DESIGN & INSTALLATION PROCESS OVERVIEW

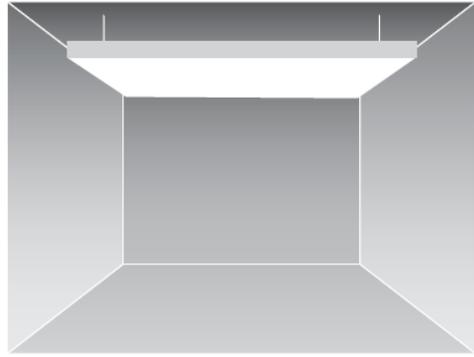
October 2025



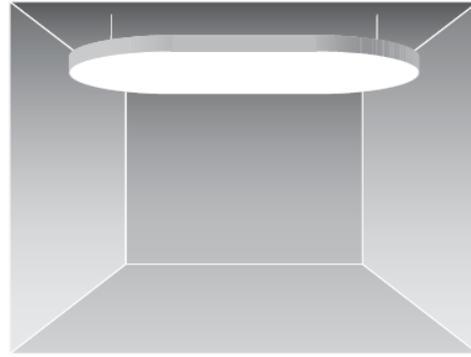
**COOLEGE™**

Light as a building material

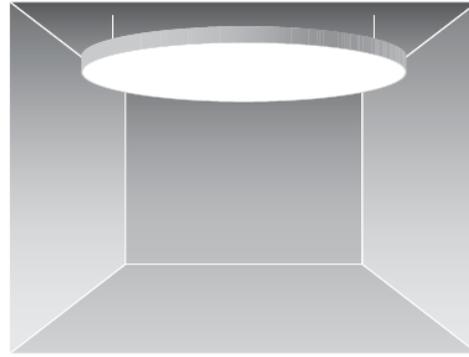
# SKYSPAN SUSPENDED OVERVIEW



RECTANGLES



CURVED CORNERS



CIRCLES

## SkySpan Suspended

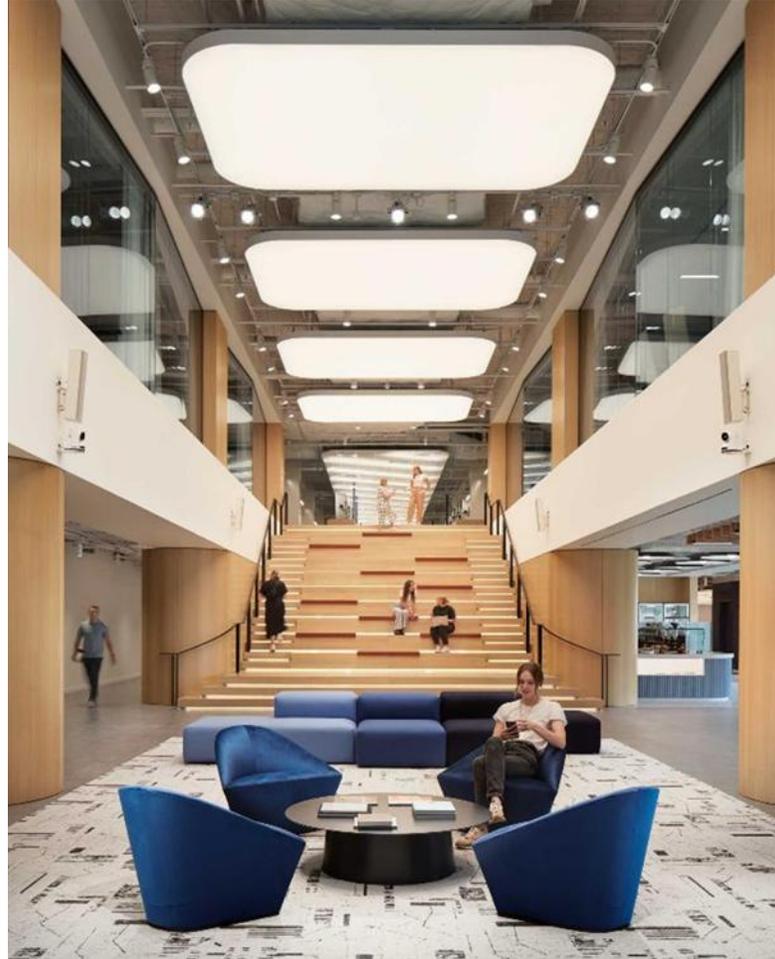
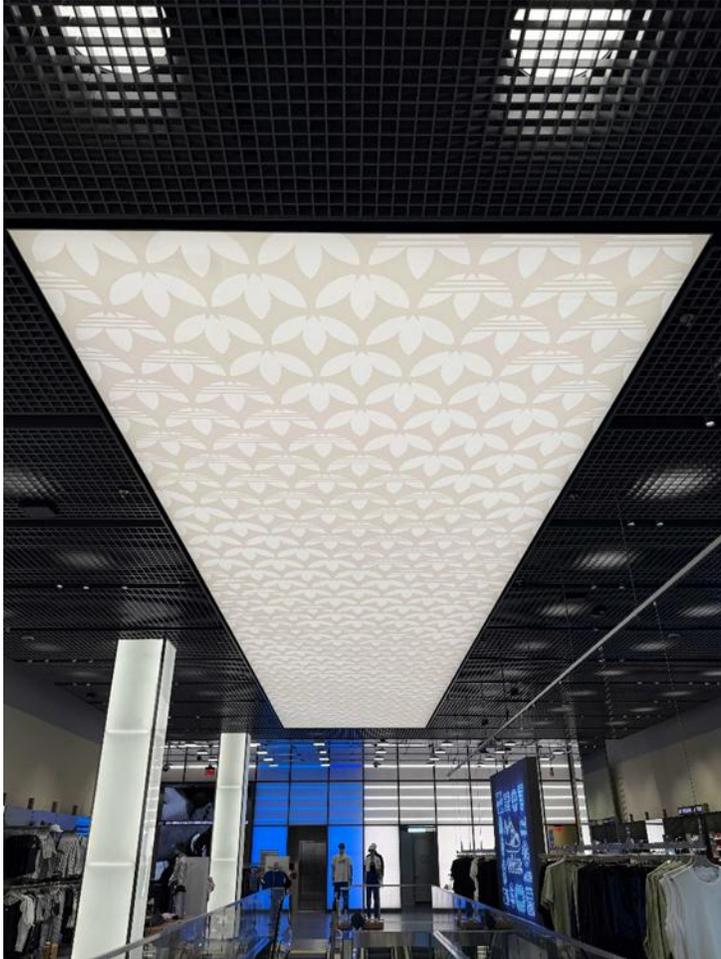
In general, there are 3 types of fixture

- Rectangles
- Curved Corners & Irregular Shapes
- Circles

## SPECIFICATION HIGHLIGHTS

|                             |   |
|-----------------------------|---|
| <b>Mounting Type</b>        | <b>Suspended – Threaded Rod, Aircraft Cable</b>               |
| Diffuser Materials          | Woven Polyester Fabric Standard (other options available)     |
| Maximum Seamless Dimensions | 15.5ft (4.7m) x 161ft (49m) (WxL)                             |
| Light Output Options        | 7 Constant Flux Options (Build-To-Order available)            |
| Color Temperature (CCT)     | 5 CCT Options plus Tunable White (3 tunable ranges available) |
| Color Rendering Index (CRI) | 90+   |
| Frame Height                | 5.3in (135mm)   |
| Minimum Bend Radius         | Minimum 15in (380mm)  |
| Average Weight              | 1.7 lb/sqft (8.3 kg/m <sup>2</sup> )                          |

# SKYSPAN SUSPENDED OVERVIEW



# IMPORTANT DOCUMENTS & INFORMATION

**PROJECT SUBMITTAL: SKYSPAN** **SUSPENDED**

**NOTE:** The content provided in this document is for **APPROVAL** purposes only. Once approved, Cooleedge will use the information contained in this document to fulfill the customer order. It is the responsibility of the approver(s) of this document to ensure the accuracy of the product models and options selected and the quantities required.

**NOTE:** This document is divided into 3 Sections.  
 1. Specialty Illumination Solutions (for Approval)  
 2. Lighting Systems Materials only – installation by others  
 3. Mechanical System (Materials and Installation provided by Cooleedge)

**COOLEEDGE™**  
 PROJECT NAME: GAP Glendale Galleria  
 PROJECT AREA:  
 REFERENCE TYPE:  
 COOLEEDGE REFERENCE - OPPY #: 015229  
 DATE: 15-Jun-2022

**REVISION HISTORY:**

| Revision # | Date         | Description      | Prepared By |
|------------|--------------|------------------|-------------|
| R00        | 30-May-2022  | Initial Revision | JTH         |
| R01        | 15-June-2022 | Revise to 4000K  | JTH         |
| R02        |              |                  |             |
| R03        |              |                  |             |
| R04        |              |                  |             |

**APPROVALS:**

Approved  Revise and Resubmit  NOT Approved  
 Approved as Corrected  Resubmit for Record

BY APPROVING THIS SUBMITTAL IT IS UNDERSTOOD AND ACCEPTED THAT THE COOLEEDGE PRODUCTS WILL BE MANUFACTURED AND DELIVERED ACCORDING TO SPECIFICATIONS AS SHOWN IN THIS DOCUMENT. APPROVAL OF THIS SUBMITTAL IS ACKNOWLEDGEMENT OF ACCEPTANCE OF ANY AND ALL COSTS AND FEES ASSOCIATED WITH MANUFACTURE AND DELIVERY OF PRODUCT IF CHANGES ARE REQUIRED AFTER APPROVAL OF THIS SUBMITTAL.

Signature: **see stamp; Joe Luzzo, Chipman Design**  
 Print Name:  
 Title:  
 Company:  
 Date:

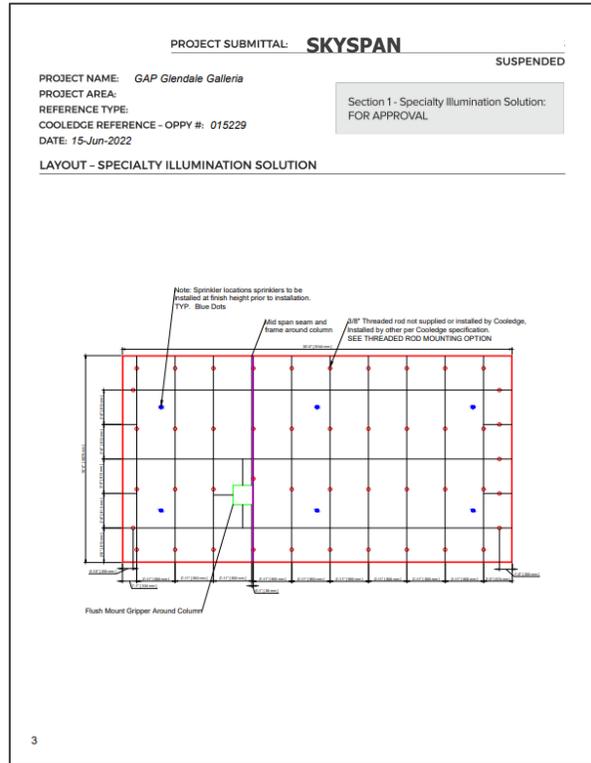
**SUBMITTAL REVIEW**  
 This review is for general informational purposes with the design content. The contractor retains responsibility for:  
 A. Compliance with the contract documents.  
 B. Confirming and correcting quantities and dimensions.  
 C. Scheduling contractor resources & installation schedule.  
 D. Coordination of this work with other trades.  
 E. Performing this work in a safe and sanitary manner.  
 F. Coordination with the architect to maintain schedule.  
 G. All other provisions of the agreement.  
 It is understood that the architect retains the right to be consulted as an architect for additional work as additional work.

NO EXCEPTIONS  HOLDINGS  REVISIONS (SEE REMARKS)  
 CONTRACTOR SIGNATURE DATE TIME BY  
 ARCHITECT SIGNATURE DATE TIME BY

**IMPORTANT NOTES:**  
 • This submittal document contains design layouts, product details, and product quantities based on project requirements provided by the customer and/or the customer's representatives. Cooleedge is not responsible for the accuracy of 3 rd party information used to generate this submittal.

Cooleedge Lighting Inc. 10-12551 Commerce Parkway Richmond, BC V6V 2L1 Canada  
 O +1 604 273 2655 F +1 604 273 2650 T +1 604 953 4448 W cooleedge.com

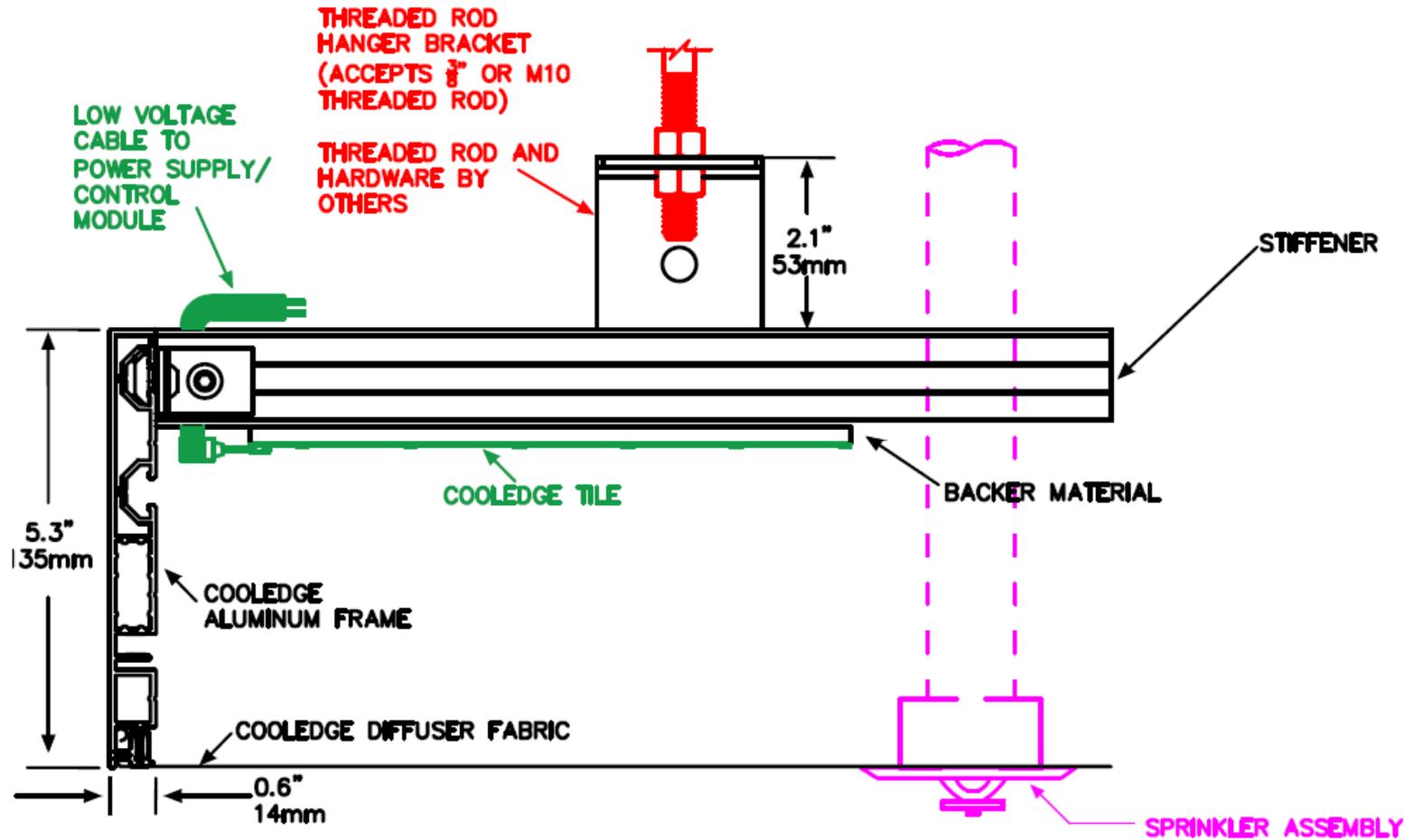
Cooleedge Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.



- Approved Submittals – including all layouts and mounting locations
  - Indicates location of fixtures and mounting points
  - Includes exact Bill of Materials to be supplied by Cooleedge
  - Contains a layout for the Lighting System
- Remote mounting distance for power & controls
  - Determines gauge of conductors required for connection between power and controls and Cooleedge lighting system

| MAXIMUM RUN LENGTH - VALUES IN FEET |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| # of Runs                           | 900lm |       |       |       |       |       | 600lm |       |       |       |       |       |
|                                     | 2200K | 2700K | 3000K | 3500K | 4000K | 5700K | 2200K | 2700K | 3000K | 3500K | 4000K | 5700K |
| 1                                   |       | 13.00 | 14.20 | 14.60 | 14.60 | 14.60 | 18.30 | 19.10 | 19.70 | 20.10 | 20.10 | 20.10 |
| 2                                   |       | 5.80  | 6.40  | 6.60  | 6.60  | 6.60  | 8.10  | 8.90  | 9.40  | 9.60  | 9.60  | 9.60  |
| 3                                   |       | 3.90  | 4.30  | 4.30  | 4.30  | 4.30  | 5.50  | 5.80  | 6.20  | 6.40  | 6.40  | 6.40  |
| 4                                   | N/A   | 2.80  | 3.20  | 3.20  | 3.20  | 3.20  | 4.10  | 4.40  | 4.60  | 4.80  | 4.80  | 4.80  |
| 5                                   |       | 2.30  | 2.50  | 2.50  | 2.50  | 2.50  | 3.20  | 3.50  | 3.70  | 3.70  | 3.70  | 3.70  |
| 6                                   |       | 1.90  | 2.10  | 2.10  | 2.10  | 2.10  | 2.70  | 2.80  | 3.00  | 3.20  | 3.20  | 3.20  |
| 7                                   |       | 1.60  | 1.80  | 1.80  | 1.80  | 1.80  | 2.30  | 2.50  | 2.70  | 2.70  | 2.70  | 2.70  |
| 8                                   |       | 1.40  | 1.60  | 1.60  | 1.60  | 1.60  | 1.90  | 2.10  | 2.30  | 2.30  | 2.30  | 2.30  |

# SCOPE: FIXTURE CROSS-SECTION



## General Contractor

- Installation of the mounting structure (Unistrut, ceiling anchors, etc.) for designated hanging hardware, specifically threaded rod (or in some cases, aircraft cable).
- Installation of the hanging hardware (threaded rods or cables).

## Electrical Contractor

- Installation of all high voltage mains wiring including connection to Coolidge Power Supplies
- Installation of Coolidge Lighting System including TILES or Panels, T-Cables, Control Modules, Power Supplies and all associated low voltage wiring when required by project.

## Coolidge Installers

- Installation of Coolidge SkySpan Suspended System (aluminum frame, backing material and fabric)

## Other Trades

- Installation of sprinklers or other items that penetrate the fabric diffuser

## General Contractor

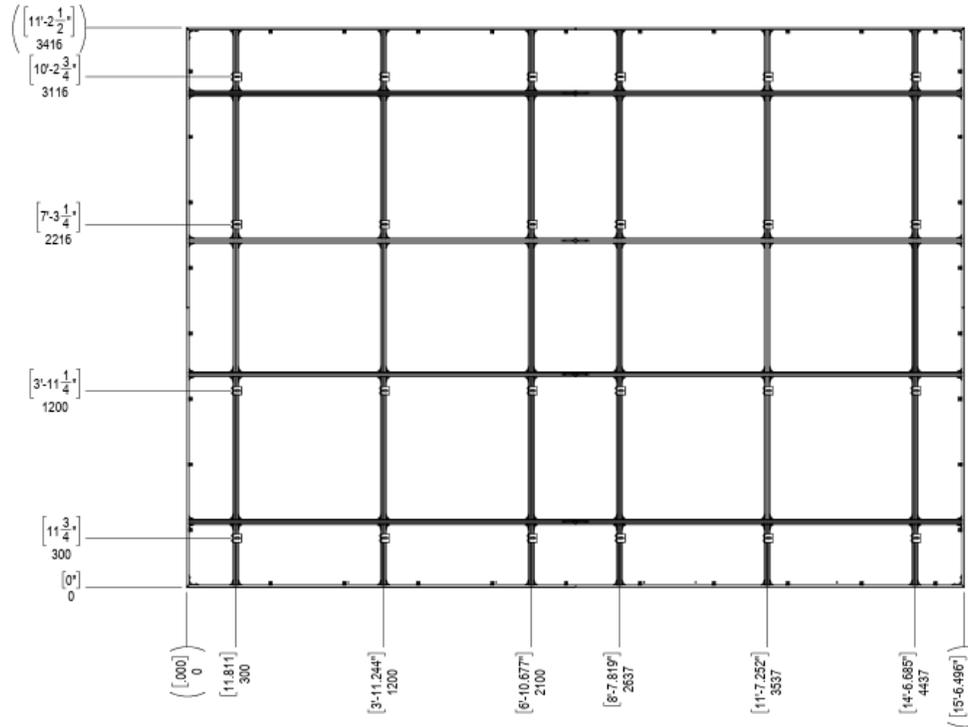
- Supply and installation of the mounting structure (Unistrut, ceiling anchors, etc.) for designated hanging hardware
- Installation of the hanging hardware (threaded rods or aircraft cables)
- Typically, threaded rod is recommended
- In some cases, aircraft cable may be acceptable.
- Threaded rod size must be 3/8" or M10 (nuts must also be provided)
- Can be installed by General Contractor, Electrical Contractor or other. Not in Cooledge Scope.
- Mounting point layout provided by Cooledge.
- Mounting point layout must be followed.



# IMPORTANT DOCUMENTS & INFORMATION – COOLEEDGE MOUNTING POINT LAYOUT

- Provided by Cooleedge Project Manager
- Mounting Points must be installed according to this layout
- Obstructions and adjustments must be noted as quickly as possible.
- Threaded Rods must be trimmed to appropriate height
- Nuts must be provided

## MOUNTING BRACKET LOCATIONS



SCALE 1 : 25

|   |   |   |   |                   |         |
|---|---|---|---|-------------------|---------|
|  | THIRD ANGLE PROJECTION  | © Cooleedge Lighting 2025<br>Cooleedge Lighting Confidential Information<br>This document is copyrighted property of Cooleedge Lighting and may not be reproduced without Cooleedge Lighting written permission or used or disclosed for other than Cooleedge Lighting authorized purposes. | DWG. NO.<br><b>OPPY017319-RSP-S-1-R01</b>   | REV.<br><b>01</b> |         |
|   | 110-13551 COMMERCE PARKWAY<br>RICHMOND, BC CANADA V6V 2L1<br>+1 604 273 2865<br>COOLEEDGELIGHTING.COM | UNLESS OTHERWISE SPECIFIED<br>DIMENSION    INCH TOL.    mm TOL.<br>X                    ±0.25            ±1<br>X.X                ±0.1             ±0.5<br>X.XX              ±0.02           ±0.25<br>X.XXX            ±0.005        ±0.06<br>ANGULAR        ±1°                            | TITLE SIS Suspended; Black; 4737mm X 3416mm Rectangular Threaded Rod; 197mm/sqft-MF; 3500K; Dall/0-10V; CRI=90; UL; Class C (NRC=0.75); |                   |         |
|   |   | MATERIAL  | N/A   |                   |         |
|   |   | SCALE   | 1:25  | UNITS             | mm      |
|   |   |   |   | SHEET             | 4 OF 11 |

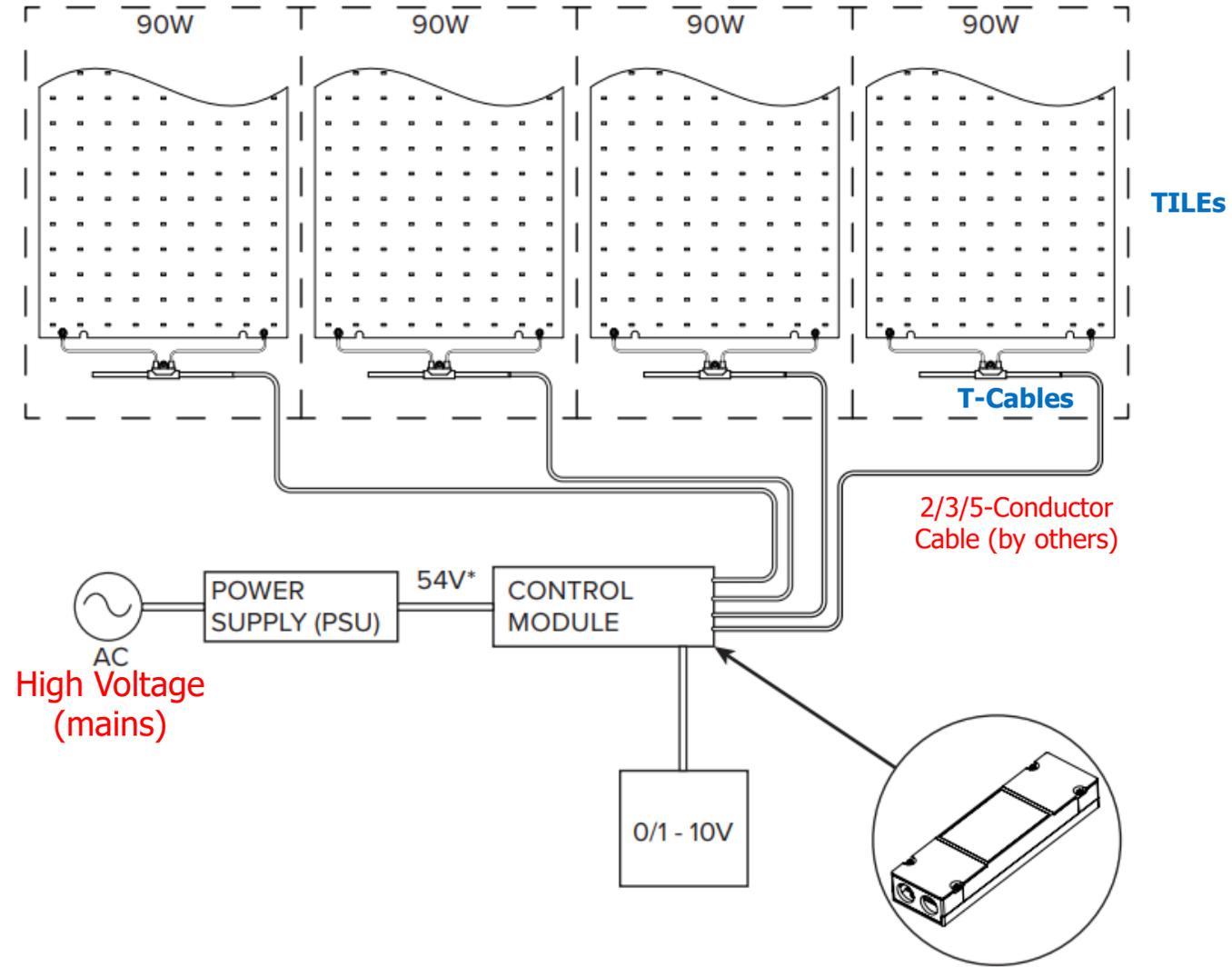
# SCOPE – ELECTRICAL CONTRACTOR

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- Installation of Cooledge Lighting System including:
  - TILES or Panels
  - T-Cables
  - Control Modules
  - Power Supplies
  - all associated low voltage wiring
- TILE/Panel layout provided by Cooledge and must be followed.
- Dimming Testing
- Installation of threaded rod (or in some cases, aircraft cable) for mounting **when not in scope for** General Contractor



# LIGHTING SYSTEM COMPONENTS

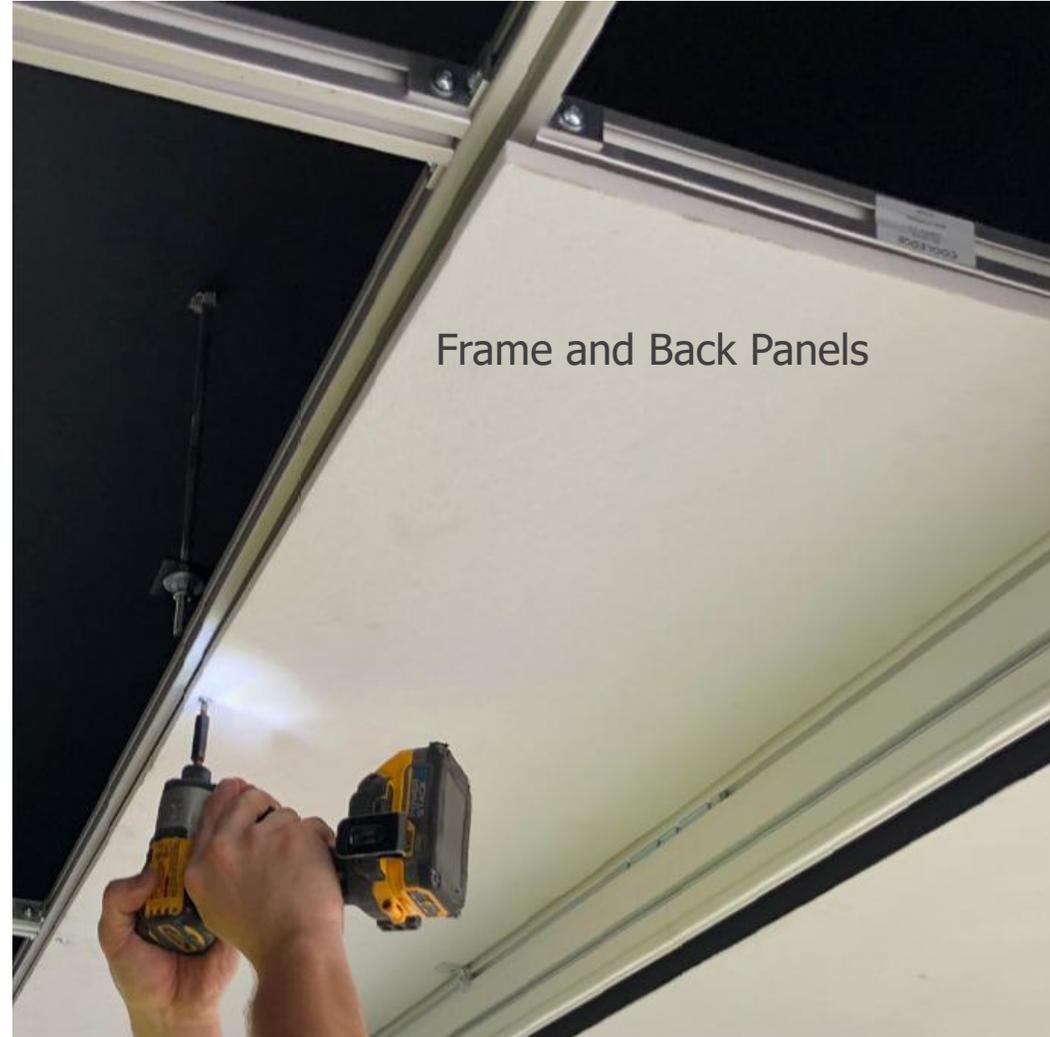




# SCOPE - COOLEGE

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- Installation of Cooledge SkySpan Suspended System:
  - Aluminum frame: assemble frame or frame sections on the floor.
  - Mount frame: Lift frame into place and set appropriate height.
    - Note that rods should be trimmed and nuts must be provided
  - Backing material: cut and fit acoustic backing material to fit. Seal all gaps
  - Fabric: Stretch the diffuser fabric across the entire span and tuck tightly, eliminating wrinkles and striations.
    - Note that the area must be clean of dust and debris to prevent damage or stains.



## PROCESS STEPS: PRIOR TO COOLEGE INSTALLATION

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To initiate the SkySpan Suspended installation process, our project management team will reach out directly to a designated site contact to begin preparation for an efficient and successful installation. It is imperative that communication begins as soon as possible

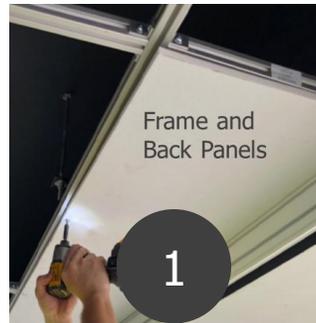
1. General Contractor must install the mounting structure for the hanging hardware
2. General Contractor (or in some cases, Electrical Contractor) must install the threaded rod (or cable) and associated fasteners to match the approved submittal
3. Electrical Contractor must pull low voltage wiring as shown in the provided lighting layout to the Suspended assembly (top entry is required). Wire gauge will be determined by the distance from the Coolege Control Modules to the lighting system.
4. The Coolege Lighting System will typically ship to the job site prior to the mechanical materials and will be received and controlled by the Electrical Contractor.
5. Coolege and the Electrical Contractor will review installation procedures and testing protocols specific to the installation
6. If they are to be installed remotely, power components for the Lighting System should be installed or prepared prior to our arrival

# PROCESS STEPS: COOLEGE INSTALLATION

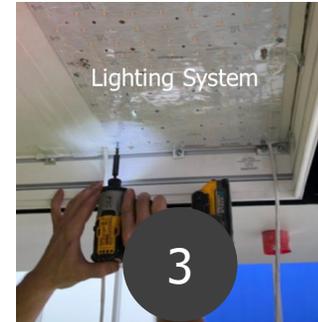
The SkySpan Suspended system ships on a large pallet in order to accommodate the diffuser fabric roll, which can be up to 16.5' (5m) long, depending on the size of the fixture. Also included in this shipment are the aluminum frames, back panels and hardware. This material should be stored in a safe, dry location.

The Cooledge Installation Team will visit the site twice:

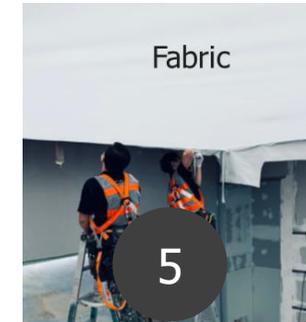
1. Assemble the frame
2. Install the fabric diffuser



Cooledge



Electrical Contractor



Cooledge

1. Once the site is ready for the frame to be installed, Cooledge will schedule an Installation Team to construct the frame and back panels. In general, installation dates should be scheduled at least 4 weeks in advance
2. At this point the Pre-Installation Questionnaire must be filled out. Please note the Installation Team will require the use of lifts, ladders or rolling scaffold to be provided by the site on every installation date
3. Electrical Contractor submits a Site Readiness Form to confirm that the project is ready for the 1st part of the Cooledge installation.
4. Once the frame and back panels are installed, the Electrical Contractor can install and test the Lighting System and a date for fabric installation confirmed.
5. Electrical Contractor submits a Site Readiness Form to confirm that the project is ready for the 2nd part of the Cooledge installation.
6. Cooledge installation team installs the fabric, completes commissioning inspection and submits completion documents to the Cooledge project management team.

Depending on project and/or local requirements Cooledge may include installation of the Lighting System as part of its scope

# SITE REQUIREMENTS

- Unless indicated on the Cooledge Quote, the site shall provide lift, ladders, or rolling scaffold of suitable height for the use of Cooledge Installation Team
- The area must be free of dust/debris that could damage or stain the diffuser fabric and work in the area that could potentially cause damage to the fabric should be substantially complete.  
*(Note: Cooledge is not responsible for damage to the fabric once it is installed)*
- The area immediately underneath the fixture location must be free from obstructions (when possible)
- The site is responsible for receiving and transporting all materials to the installation area



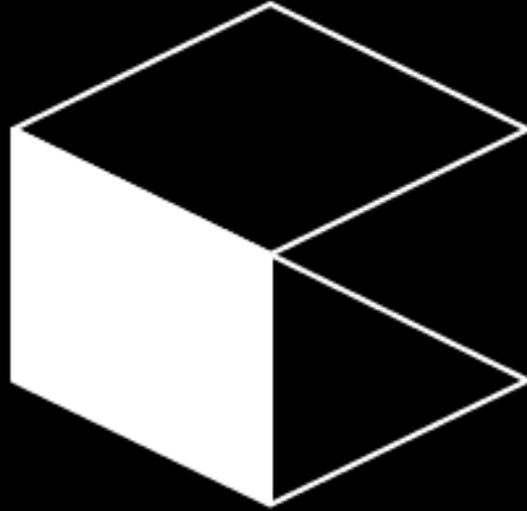
# TYPICAL SCHEDULE

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Typical project lead times are 8-12 weeks from receipt of deposit and approved submittal package. The table below is a general timeline of events assuming a fixed installation date.

|  |  |
|--|--|
| <b>Upon Receipt of Deposit and Signed Submittal</b>  | Cooledge will reach out to the Site Contact to review all job related documents.   |
| <b>Minimum 8 Weeks from Fabric Installation</b>  | Cooledge and Site Contact confirm frame installation date, and determine tentative date for fabric installation. General Contractor installs mounting structure for threaded rod (or in some cases, aircraft cable). |
| <b>Minimum 4 Weeks from Fabric Installation</b>  | General Contractor (or in some cases, Electrical Contractor) attaches hanging hardware (threaded rod, or in some cases aircraft cable) to mounting structure. Site Contact to complete Pre-Install Questionnaire.    |
| <b>Minimum 3 Weeks from Fabric Installation</b>  | Cooledge installs frame and back panels. Cooledge PM and Site Contact review TILE and Control Module Installation Procedures.  |
| <b>2 Weeks from Fabric Installation</b>  | Lighting Installation substantially complete. Testing of Lighting System to begin.   |
| <b>1 Week from Fabric Installation</b>   | Testing of Lighting System complete. Site Contact to complete Site Readiness Form and submit photographs of area(s).   |
| <b>Day of Fabric Installation</b>  | Cooledge will arrive on site and begin fabric installation. Fabric penetrations (sprinklers, etc.) must be installed prior to this date.   |
| <b>Cooledge Project Management will be in regular contact with the site from receipt of Signed Submittal and Deposit until installation and commissioning is complete.</b> |  |

THANK YOU



COOLEGE™