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. Maintain the volume of space while bringing the feeling of the outdoors inside to areas where recessed or suspended luminaires are not practical.

Surface mount luminaires deliver immersive illumination for:
- Areas with low ceiling height
- Corridors
- Boardrooms and meeting spaces
- Multi-family residential

Features Cooledge’s unique “Infinity Edge” design for uniform illumination from edge to edge.

1. COMPONENTS

- Suspension Cable
- Cable Gripper
- Hanger Bracket
- Ceiling Bracket
- Stiffener
- Corner Trim Cover
- Trim
- Power Supply
- Power and Control Tray
- Control Module

Contact Cooledge for ordering information for JA8 compliant models.

5 Year Limited Warranty:
Parts and workmanship

Cooledge 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.
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.

<table>
<thead>
<tr>
<th>Saw Horses</th>
<th>Gloves</th>
<th>Measuring Tape</th>
</tr>
</thead>
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<td><img src="image" alt="Gloves" /></td>
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<tr>
<th>Level</th>
<th>Cable Cutters</th>
<th>4mm and 5mm Hex Key</th>
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</tbody>
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<tr>
<th>#2 Phillips Screwdriver</th>
<th>3mm Flat Head Screwdriver</th>
<th>2x wrenches (only required for threaded rod mounting)</th>
</tr>
</thead>
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<tr>
<td><img src="image" alt="#2 Phillips Screwdriver" /></td>
<td><img src="image" alt="3mm Flat Head Screwdriver" /></td>
<td><img src="image" alt="2x wrenches" /></td>
</tr>
</tbody>
</table>

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

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

3.1. INSTALL POWER AND CONTROL TRAYS IN A REMOTE LOCATION

The power and control tray will be mounted remotely from the luminaire. Install the tray in a suitable location and run the DC cable(s) to the luminaire location.

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.

**WARNING:** Ensure electrical power is disconnected!

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

**NOTE:** Lift luminaire using handles provided.
3.3. ESTABLISH THE REQUIRED POSITIONS FOR SUSPENSION CABLES

Either measure between the suspension points or refer to TABLE 1, PAGE 11.

NOTE: The suspension cables are only used to raise the luminaire during installation. If suitable anchor points are not available, the luminaire may be raised by lifting at each corner.

3.4. ATTACH CABLES TO CEILING ANCHOR POINTS AT REQUIRED POSITIONS
3.5. ESTABLISH THE REQUIRED POSITIONS FOR CEILING BRACKETS

Either measure between the stiffener bars or refer to TABLE 2, PAGE 12.

3.6. MOUNT BRACKETS TO CEILING

WARNING: Position of brackets is critical for correct mounting. Each bracket must be able to support 10kg / 22lbs. Use fasteners appropriate to your ceiling material. Attach to structural members when possible.

NOTE: Lift luminaire using handles provided
3.7. ATTACH CABLES TO HANGER BRACKETS WITH GRIPPERS

3.8. RAISE LUMINAIRE TO JUST BELOW CEILING BRACKETS

Leave space for electrician to make connection to power supply.
3.9. MAKE ELECTRICAL CONNECTION

Join DC cable(s) from step 2.1 to the cable(s) on the top of the luminaire.

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

Static Color Temperature (SCT) Systems

Tunable White (TNW) and Dim-to-Warm (DTW) systems
3.10. 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.

3.11. ATTACH TO CEILING BRACKETS

**WARNING:** do not press on the fabric!
Raise one side of the luminaire until the holes in the two brackets align and insert the M8 screw. Do not fully tighten.

Repeat for the other brackets.

3.12. TIGHTEN SCREWS

Recommended torque 10 ft-lb [13 Nm].
3.13. ATTACH THE TRIM

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.
3.14. POWER-ON TEST

Turn on the electrical power and verify the luminaire is working correctly.

4. 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
5. APPENDIX – POSITIONS OF SUSPENSION POINTS

5.1. CABLE ATTACHMENT POINTS

TABLE 1

<table>
<thead>
<tr>
<th>NOMINAL SIZE</th>
<th># SUSPENSION POINTS</th>
<th>DIM “X”</th>
<th>DIM “Y”</th>
</tr>
</thead>
<tbody>
<tr>
<td>4' X 4' (1200mm X 1200mm)</td>
<td>4</td>
<td>20 5/8&quot; [525mm]</td>
<td>21 7/8&quot; [555mm]</td>
</tr>
<tr>
<td>4' X 6' (1200mm X 1800mm)</td>
<td>4</td>
<td>21 3/4&quot; [550mm]</td>
<td>21 7/8&quot; [555mm]</td>
</tr>
<tr>
<td>4' X 8' (1200mm X 2400mm)</td>
<td>4</td>
<td>26 3/4&quot; [680mm]</td>
<td>21 7/8&quot; [555mm]</td>
</tr>
<tr>
<td>4' X 10' (1200mm X 3000mm)</td>
<td>4</td>
<td>38 1/8&quot; [970mm]</td>
<td>21 7/8&quot; [555mm]</td>
</tr>
<tr>
<td>5' X 5' (1500mm X 1500mm)</td>
<td>4</td>
<td>15 1/4&quot; [387mm]</td>
<td>27 3/4&quot; [705mm]</td>
</tr>
<tr>
<td>6' X 6' (1800mm X 1800mm)</td>
<td>4</td>
<td>16 1/4&quot; [420mm]</td>
<td>36&quot; [915mm]</td>
</tr>
<tr>
<td>6' X 8' (1800mm X 2400mm)</td>
<td>4</td>
<td>28 3/8&quot; [720mm]</td>
<td>36&quot; [915mm]</td>
</tr>
<tr>
<td>6' X 9' (1800mm X 2700mm)</td>
<td>4</td>
<td>33 1/4&quot; [840mm]</td>
<td>36&quot; [915mm]</td>
</tr>
</tbody>
</table>
### 5.2. CEILING BRACKET ATTACHMENT POINTS

![Diagram of ceiling bracket attachment points]

**TABLE 2**

<table>
<thead>
<tr>
<th>NOMINAL SIZE</th>
<th># THREADED RODS</th>
<th>DIM &quot;X1&quot;</th>
<th>DIM &quot;X2&quot;</th>
<th>DIM &quot;Y&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>4' X 4' (1200mm X 1200mm)</td>
<td>4</td>
<td>13 ¾&quot; [350mm]</td>
<td>N/A</td>
<td>21 ½&quot; [535mm]</td>
</tr>
<tr>
<td>4' X 6' (1200mm X 1800mm)</td>
<td>6</td>
<td>On center</td>
<td>32 5/8&quot; [820mm]</td>
<td>21 ½&quot; [535mm]</td>
</tr>
<tr>
<td>4' X 8' (1200mm X 2400mm)</td>
<td>6</td>
<td>On center</td>
<td>3 ¾&quot; [81mm]</td>
<td>21 ½&quot; [535mm]</td>
</tr>
<tr>
<td>4' X 10' (1200mm X 3000mm)</td>
<td>8</td>
<td>23 5/8&quot; [600mm]</td>
<td>23 5/8&quot; [600mm]</td>
<td>21 ½&quot; [535mm]</td>
</tr>
<tr>
<td>5' X 5' (1500mm X 1500mm)</td>
<td>6</td>
<td>3 ¾&quot; [86mm]</td>
<td>20 5/8&quot; [524mm]</td>
<td>27&quot; [685mm]</td>
</tr>
<tr>
<td>6' X 6' (1800mm X 1800mm)</td>
<td>6</td>
<td>On center</td>
<td>29 15/16&quot; [760mm]</td>
<td>35 ¼&quot; [895mm]</td>
</tr>
<tr>
<td>6' X 8' (1800mm X 2400mm)</td>
<td>8</td>
<td>14 ¾&quot; [360mm]</td>
<td>41 ¾&quot; [1060mm]</td>
<td>35 ¼&quot; [895mm]</td>
</tr>
<tr>
<td>6' X 9' (1800mm X 2700mm)</td>
<td>8</td>
<td>12 5/8&quot; [320mm]</td>
<td>44 7/8&quot; [1140mm]</td>
<td>35 ¼&quot; [895mm]</td>
</tr>
</tbody>
</table>