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. Use recessed luminaires to create open spaces that deliver the visual, biological, and emotional benefits of large luminous surfaces, for example in plaster or drywall ceilings.

Recessed luminaires deliver immersive illumination for:
- Elevator lobbies
- Showrooms
- Shops
- Healthcare facilities

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

1. COMPONENTS

- Suspension Cable
- Cable Gripper
- Hanger Bracket
- Control Module
- Power and Control Tray
- Power Supply
- Upper Mounting Bracket
- Lower Mounting Bracket
- Corner Trim
- Trim Clip
- Trim
- Torsion Spring
- Control Module
## 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>
<tbody>
<tr>
<td><img src="image1" alt="Saw Horses" /></td>
<td><img src="image2" alt="Gloves" /></td>
<td><img src="image3" alt="Measuring Tape" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Level</th>
<th>Cable Cutters</th>
<th>4mm and 5mm Hex Key</th>
</tr>
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<tbody>
<tr>
<td><img src="image4" alt="Level" /></td>
<td><img src="image5" alt="Cable Cutters" /></td>
<td><img src="image6" alt="4mm and 5mm Hex Key" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>#2 Phillips Screwdriver</th>
<th>3mm Flat Head Screwdriver</th>
<th>2x wrenches (only required for threaded rod mounting)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image7" alt="#2 Phillips Screwdriver" /></td>
<td><img src="image8" alt="3mm Flat Head Screwdriver" /></td>
<td><img src="image9" 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. UNPACK LUMINAIRE AND PLACE FACE DOWN ON SAW HORSES AT CORNERS

NOTE: Lift luminaire using handles provided

NOTE: Leave protective plastic film attached

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.

NOTE: Ensure T-nuts rotate fully inside channel to tighten correctly

NOTE: Power Supply and Control Module may vary
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. ATTACH THE LOWER PORTION OF THE TORSION SPRING BRACKETS

NOTE: Smaller sizes require four brackets, larger sizes require six or eight brackets, see TABLE 2, PAGE 13.

3.5. ESTABLISH THE REQUIRED POSITIONS FOR SUSPENSION CABLES

Either measure between the suspension points or refer to TABLE 1, PAGE 12.

NOTE: Lift luminaire using handles provided
3.6. ATTACH CABLES TO CEILING ANCHOR POINTS AT REQUIRED POSITIONS

3.7. ESTABLISH THE REQUIRED POSITIONS FOR CEILING BRACKETS

Either measure between the centres of torsion springs or refer to TABLE 2, PAGE 13.

NOTE: Lift luminaire using handles provided
3.8. MOUNT UPPER BRACKETS TO CEILING

WARNING: Position of brackets is critical for correct mounting. Each bracket must be able to support 5kg / 11lbs. Brackets may be attached to threaded rods 3/8" - 16 or M10.

3.9. ATTACH CABLES TO HANGER BRACKETS WITH GRIPPERS
3.10. RAISE LUMINAIRE TO JUST BELOW CEILING BRACKETS

Leave space for electrician to make connection to power supply.

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
3.12. ATTACH ONE SIDE TO UPPER BRACKETS

WARNING: do not press on the fabric!
Raise one side of the luminaire, squeeze together the legs of the spring and insert into slot in upper bracket.

Repeat for the other brackets on that side of luminaire.

3.13. ATTACH REMAINING BRACKETS

Lift the other side of the luminaire and attach spring as described in section 2.12.

NOTE: Lift luminaire using handles provided
3.14. 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.

3.15. ATTACH TRIM WITH PROVIDED CLIPS

3.16. ATTACH CORNER COVER TO TRIM

3.17. LIFT LUMINAIRE INTO FINAL POSITION

Carefully push upwards on the edges of the luminaire until it is pulled up into place by the springs.
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. LOWERING THE LUMINAIRE FOR MAINTENANCE

WARNING: Disconnect the electrical power before lowering the luminaire.

1. Insert the removal tool alongside the luminaire, turn 90 degrees and pull down.
2. Carefully pull down the rest of the luminaire.
3. Unhook the springs on one side by squeezing together the legs, and lower until supported by the cables.
4. Repeat on the opposite side.
# 6. APPENDIX - POSITIONS OF SUSPENSION POINTS

## 6.1. CABLE ATTACHMENT POINTS

![Diagram of 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 ⅝” [525mm]</td>
<td>21 ⅞” [555mm]</td>
</tr>
<tr>
<td>4’ X 6’ (1200mm X 1800mm)</td>
<td>4</td>
<td>21 ⅞” [555mm]</td>
<td>21 ⅞” [555mm]</td>
</tr>
<tr>
<td>4’ X 8’ (1200mm X 2400mm)</td>
<td>4</td>
<td>26 ¾” [680mm]</td>
<td>21 ⅞” [555mm]</td>
</tr>
<tr>
<td>4’ X 10’ (1200mm X 3000mm)</td>
<td>4</td>
<td>38 ⅜” [970mm]</td>
<td>21 ⅞” [555mm]</td>
</tr>
<tr>
<td>5’ X 5’ (1500mm X 1500mm)</td>
<td>4</td>
<td>15 ¼” [387mm]</td>
<td>27 ¼” [705mm]</td>
</tr>
<tr>
<td>6’ X 6’ (1800mm X 1800mm)</td>
<td>4</td>
<td>16 ½” [420mm]</td>
<td>36” [915mm]</td>
</tr>
<tr>
<td>6’ X 8’ (1800mm X 2400mm)</td>
<td>4</td>
<td>28 ⅜” [720mm]</td>
<td>36” [915mm]</td>
</tr>
<tr>
<td>6’ X 9’ (1800mm X 2700mm)</td>
<td>4</td>
<td>33 ¼” [840mm]</td>
<td>36” [915mm]</td>
</tr>
</tbody>
</table>
### 6.2. UPPER BRACKET ATTACHMENT POINTS

![Diagram of upper bracket attachment points](image)

**TABLE 2**

<table>
<thead>
<tr>
<th>NOMINAL SIZE</th>
<th># BRACKETS</th>
<th>DIM “X1”</th>
<th>DIM “X2”</th>
<th>DIM “Y”</th>
</tr>
</thead>
<tbody>
<tr>
<td>4’ X 4’ (1200mm X 1200mm)</td>
<td>4</td>
<td>13 ¾” [350mm]</td>
<td>N/A</td>
<td>20” [507mm]</td>
</tr>
<tr>
<td>4’ X 6’ (1200mm X 1800mm)</td>
<td>6</td>
<td>On center</td>
<td>32 ⅜” [820mm]</td>
<td>20” [507mm]</td>
</tr>
<tr>
<td>4’ X 8’ (1200mm X 2400mm)</td>
<td>6</td>
<td>On center</td>
<td>3 ⅜” [81mm]</td>
<td>20” [507mm]</td>
</tr>
<tr>
<td>4’ X 10’ (1200mm X 3000mm)</td>
<td>8</td>
<td>23 ⅜” [600mm]</td>
<td>20” [507mm]</td>
<td></td>
</tr>
<tr>
<td>5’ X 5’ (1500mm X 1500mm)</td>
<td>6</td>
<td>3 ⅛” [86mm]</td>
<td>20 ⅞” [524mm]</td>
<td>25 ⅝” [657mm]</td>
</tr>
<tr>
<td>6’ X 6’ (1800mm X 1800mm)</td>
<td>6</td>
<td>On center</td>
<td>29 ⅜” [760mm]</td>
<td>34 ⅝” [867mm]</td>
</tr>
<tr>
<td>6’ X 8’ (1800mm X 2400mm)</td>
<td>8</td>
<td>14 ⅜” [360mm]</td>
<td>41 ⅜” [1060mm]</td>
<td>34 ⅝” [867mm]</td>
</tr>
<tr>
<td>6’ X 9’ (1800mm X 2700mm)</td>
<td>8</td>
<td>12 ⅜” [320mm]</td>
<td>44 ⅜” [1140mm]</td>
<td>34 ⅝” [867mm]</td>
</tr>
</tbody>
</table>

Contact Cooledge for ordering information for JA8 compliant models.

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

5 Year Limited Warranty: Parts and workmanship.