**Important Safety Instructions**

When using electrical equipment, basic safety precautions should always be followed including the following:

**Read And Follow All Safety Instructions**

1. **Warning:** This product must be installed in accordance with the NEC or your local electrical code. If you are not familiar with these codes and requirements, consult a qualified electrician. *Avertissement: Ce produit doit être installé conformément au NEC ou à votre code électrique local. Si vous n’êtes pas familier avec ces codes et exigences, consultez un électricien qualifié.*

2. **Warning:** This equipment is not for use in hazardous combustible atmospheres as defined by the National Electrical Code. *Avertissement: Cet équipement ne doit pas être utilisé dans des atmosphères combustibles dangereuses telles que définies par le Code national de l’électricité.*

3. Do not install insulation within 76 mm (3 in) of any part of this luminaire. *Ne pas mettre l’isolant a moins de 76 mm (3 po.) De toute partie du luminaire.*

4. Dry locations only. *Pour emplacements secs seulement.*


6. Access behind wall required. *Acces requis derriere le mur.*


8. **Note:** Suitable building structure and mounting fasteners should be identified by a person competent in evaluating the fixture weight load or other related stresses at the fixture installation location(s).

9. **Note:** The luminaire will be shipped with the lens un-installed and will be placed after the luminaire is mounted.

**Save These Instructions For Future Reference**

**Installation:**

**Diagram 1**

**Straight Cove Lighting**

<table>
<thead>
<tr>
<th>Component</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight Cove - RGB</td>
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<tr>
<td>1-07-000012</td>
<td>5-07-000046</td>
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<td>5-07-000047</td>
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<td></td>
<td>5-07-000048</td>
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<tr>
<td>Straight Cove - 35K</td>
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<td>5-07-000041</td>
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<tr>
<td>Straight Cove - 50K</td>
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</tr>
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<td>1-07-000115</td>
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<td></td>
<td>5-07-000043</td>
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<td></td>
<td>5-07-000044</td>
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</tbody>
</table>

**Curved Cove Lighting**

<table>
<thead>
<tr>
<th>Component</th>
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<tbody>
<tr>
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<td>Curved Cove - 35K</td>
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<td></td>
<td>5-07-000033</td>
</tr>
</tbody>
</table>

*Consult factory for custom sizes.*

**UNCRATING NOTE:**

Coves come with TWO layers of lens material. Please do not discard.

**Straight Cove Light Installation**

**Note:**

The Cove Light sections can be installed one at a time directly to the intended mounting location and then joined together or the three sections can be joined together on a clean work surface and then mounted in the intended location. If joined before mounting, multiple people will be needed to lift the luminaire due to the total length of the fully assembled luminaire.

**Step 1:**

Turn off the power supply.

**Step 2:**

Beginning with the Center Section, secure the luminaire to the intended mounting surface by using screw or bolt type fasteners through the hanging brackets located at the top of the luminaire housing as shown in **Diagram 1**. *Or:* Secure the luminaire to the intended mounting surface by using appropriate luminaire hanging wires through the tabs provided near the end and at the top of the luminaire to the main supports as shown in **Diagram 1**. No auxiliary supports are required.
Step 3: Secure the two End Sections to the intended mounting surface in the same method as the Center Section in Step 2.

Step 4: Wire each section of the luminaire per the Electrical Connections section.

Step 5: To join the sections together, connect the two End Sections to the Center Section by inserting the end with the Splice Plate into the end without a splice plate. Make sure each section marker lines up, A-A and B-B. See Diagram 2.

Step 6: To fasten the sections together, secure the outer screws first into the threaded holes of the splice plate. Hand tighten screws only. Over tightening may cause cross threading of the threaded openings.

Step 7: Place the remaining 4 screws into the luminaire and through the splice plate. Be sure to align the LED Segments so they are overlapping by 1-2 segments. See Diagram 3.

Note: The LED strips must overlap per Diagram 3. To protect the LED’s, the product does not ship with the LED Strips protruding from the fixture housing. The LED Strips will need to be slid into position after the sections are joined.

Step 8: Ensure each end of the Cove Light is capped by the supplied end piece(s).

Step 9: To install the lens, first stack the lenses so the translucent diffuser will be on the room side and the clear lens will be on the interior of the luminaire.

Step 10: Holding both lenses stacked together, insert them in to the T-Channel along one edge of the luminaire at an angle as shown in Diagram 4 by Number 1 and then rotate up as shown by Number 2. Ensure the lenses are resting evenly on each of the T-Channels. The completed installation will look like Diagram 5.

Curved Cove Light Installation

Note: The Cove Light sections can be installed one at a time directly to the intended mounting location and then joined together or the three sections can be joined together on a clean work surface and then mounted in the intended location. If joined before mounting, multiple people will be needed to lift the luminaire due to the total length of the fully assembled luminaire.

Step 1: Turn off the power supply.

Step 2: Remove the inner Fascia T-Channel on the center luminaire by removing the 7 phillips head screws securing the T-Channel to the luminaire housing as shown in Diagram 6.
Step 3: Beginning with the Center Section, secure it to the intended mounting surface by using screw or bolt type fasteners through the hanging brackets located at the top of the housing as shown in Diagram 7. Or: Secure it to the intended mounting surface by using appropriate luminaire hanging wires through the tabs provided near the end and at the top of the luminaire to the main supports as shown in Diagram 7. No auxiliary supports are required.

Step 4: Secure the two End Sections to the intended mounting surface in the same method as the Center Section in Step 2.

Step 5: Wire each luminaire section per the Electrical Connections section.

Step 6: To join the sections together, connect the two End Sections to the Center Section by inserting the end with the Splice Plate into the end without a splice plate as shown in Diagram 7. Make sure each section marker lines up, A-A and B-B.

Step 7: To fasten the sections together, secure the outer screws first into the threaded holes of the splice plate. Hand tighten screws only. Over tightening may cause cross threading of the threaded openings.

Step 8: Place the remaining 4 screws into the luminaire and through the splice plate. Be sure to align the LED Segments so they are overlapping by 1-2 segments. See Diagram 8.

Note: The LED strips must overlap per Diagram 8. To protect the LED’s, the product does not ship with the LED Strips protruding from the fixture housing. The LED Strips will need to be slid into position after the sections are joined.

Step 9: Ensure each end of the Cove Light Luminaire is capped by the supplied end piece(s).

Step 10: To install the lens, first stack the lenses so the translucent diffuser will be on the room side and the clear lens will be on the interior of the luminaire.

Step 11: Holding both lenses stacked together, insert them in to the T-Channel along one edge of the Center Section at an angle as shown in Number 1 of Diagram 9 and then rotate up as shown in Number 2 of Diagram 9. Slide the lenses to the end on End Section 1. Ensure the lenses are resting evenly on the T-Channels of each side of the luminaire. The completed installation will look like Diagram 10.

Step 12: Repeat Step 11 and slide the lenses to the end of End Section 2.

Step 13: Re-install the inner Fascia T-Channel on the Center section removed in Step 2. the lenses are resting evenly on the T-Channels of each side.
Combining Curved and Straight Luminaire Installation

**Step 1:**
It is possible to make a combination luminaire using curved and straight pieces. It is recommended to follow the instructions stated above for the assembly, however it should be completely assembled outside of the ceiling and then installed as a complete unit. This will require multiple people for the installation so the luminaire does not bend during installation.

**Step 2:**
Wire each luminaire section per the Electrical Connections section.

### Electrical Connections

**Step 1:**
Using customer supplied 90°C minimum rated wire connectors, terminate the supply wiring through each Cove Light wiring compartment.

**DC WHITE LIGHT WIRING - Diagram 11**
1. Connect + 12 VDC supply lead to the Red lead.
2. Connect - 12 VDC supply lead to the Black lead.

**DC RGB LIGHT WIRING - Diagram 12**
1. Connect + 12 VDC supply lead to the Black lead.
2. Connect - Red supply lead to the Red negative lead.
3. Connect - Green supply lead to the Green negative lead.
4. Connect - Blue supply lead to the Blue negative lead.

**Step 2:**
After wiring each section, the connection to each Cove luminaire needs to be ran to a common junction box as shown in Diagram 13.

Note: If using PDC Linear RGB Controller, be sure to wire to site specific wiring diagram for proper current balancing.

### Diagram 13 - Overview