Installation Guide
2’ x 2’ Image Ceiling®
MRI and Non-MRI Applications

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 luminaire 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. **Attention:** Ce luminaire 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 National Electrical Code.
3. **Danger:** Risk of shock - Disconnect power before installation. **Danger:** Risque de choc – Couper l’alimentation avant l’installation.
4. Type Non-IC Recessed. **Garnitures de type Non-IC.**
5. Inherently protected. **Protection inhérente.**
6. Dry locations only. **Pour emplacements secs seulement.**
7. Access above ceiling required. **Accès requis au-dessus du plafond.**

Save These Instructions For Future Reference

Installation:

**Warning:** Fixtures should be supported independently of the ceiling grid. Ceiling structure should be installed to withstand a load rating of 4lbs/sqft. Ceiling mains at the Image Ceiling area to be run every 24in. and should be ran the shortest distance possible.

Single 2’ x 2’ Image Ceiling® Panel Installation

**NOTE:** There are multiple configurations possible for the 2’ X 2’ Image Ceiling® Panels. Illustrated below is an example of a standard 2’ x 2’ installation. However they are often arranged in arrays of various shapes using multiple 2’ x 2’ panels. Questions or concerns with a specific installation should be directed to the Customer Site Installation drawings unique to the job site or to your Sales Representative.

**Step 1:**
Turn off the power supply.

**Step 2:**
Place the 2’ x 2’ Image Panel into the existing ceiling grid as shown in **Diagram 1.** If there is more than one image, ensure they are laid out in the correct configuration and the image is facing the room side.

**Step 3:**
Place the riser on to the ceiling grid above the 2’ x 2’ Image Panel with the narrower opening facing the room side as shown in **Diagram 2.**

**Step 4:**
Place the luminaire into the riser as shown in **Diagram 3** aligning the junction box with the incoming supply wire and the other luminaries if applicable.
**Step 5:**
Wire the luminaire(s) per the Electrical Connections section. Verify the part number before making connections and be sure to follow the correct wiring diagram illustrated below.

**Step 6:**
Turn on the power supply.

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**Electrical Connections:**

**Step 1:**
Remove the Junction Box cover.

**Step 2:**
Using 90°C minimum rated wire connectors, make the following connections. Verify the part number before making connections and be sure to follow the correct wiring diagram illustrated below.

**Step 3:**
For the 2’ x 2’ MRI Image Ceiling® Panel with White light part number 1-07-000031, make the following electrical connections as shown in Diagram 4.

**Step 4:**
For the 2’ x 2’ MRI Image Ceiling® Panel with RGB light part number 1-07-000032, make the following electrical connections as shown in Diagram 5.

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

**Step 5:**
For the 2’ x 2’ Non-MRI Image Ceiling® Panel with White light part number 1-07-000093, make the following electrical connections as shown in Diagram 5.

**Step 6:**
For the 2’ x 2’ Non-MRI Image Ceiling® Panel with RGB light part number 1-07-000094, make the following electrical connections as shown in Diagram 6.

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

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**Diagram 4 - 1-07-000031 - 2’ x 2’ MRI Image Ceiling® Panels White Light**

<table>
<thead>
<tr>
<th>Junction Box</th>
<th>Supply Wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>- 12 VDC</td>
</tr>
<tr>
<td>Red</td>
<td>+ 12 VDC</td>
</tr>
</tbody>
</table>

1. Connect the +12 VDC supply lead to the RED positive lead.
2. Connect the -12 VDC supply lead to the BLACK negative lead.

**Diagram 5 - 1-07-000032 - 2’ x 2’ MRI Image Ceiling® Panels RGB Light**

<table>
<thead>
<tr>
<th>Junction Box</th>
<th>Supply Wire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>+ 12 VDC</td>
</tr>
<tr>
<td>Red</td>
<td>- RED</td>
</tr>
<tr>
<td>Green</td>
<td>- GREEN</td>
</tr>
<tr>
<td>Blue</td>
<td>- BLUE</td>
</tr>
</tbody>
</table>

1. Connect the +12 VDC supply lead to the BLACK positive lead.
2. Connect the -RED supply lead to the RED negative lead.
3. Connect the -GREEN supply lead to the GREEN negative lead
4. Connect the -BLUE supply lead to the BLUE negative lead.
Directive 2012/19/EU (WEEE - Waste Electrical and Electronic Equipment): Information for Users

This product complies with EU Directive 2012/19/EU. The crossed out wheeled bin symbol on the article means that at the end of its useful lifespan, this product must not be disposed of with your other household or municipal waste. This product has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment if not properly disposed. In order to avoid dissemination of those substances in our environment and to diminish the pressure on the natural resources, the user is responsible for delivering the appliance to an appropriate collection facility at the end of its useful lifespan. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information on available collection facilities contact your local waste collection service or the place of purchase.

Electrical Connections Continued:

1. Connect the BLACK fixture supply lead to the voltage supply line position. S1 Hot 1 and S2 Hot 2.
2. Connect the WHITE fixture lead to the neutral supply position.
3. Connect the GREEN or GREEN/YELLOW ground lead to the green wire position.
4. Connect the VIOLET dimming positive lead to the supply dimming positive lead (for 0-10V).
5. Connect the GREY dimming negative lead to the supply dimming negative lead (for 0-10V).

1. Connect the +12 VDC supply lead to the BLACK positive lead.
2. Connect the -RED supply lead to the RED negative lead.
3. Connect the -GREEN supply lead to the GREEN negative lead.
4. Connect the -BLUE supply lead to the BLUE negative lead.