BEFORE YOU BEGIN / AVANT DE COMMENCER

Read these instructions and IOTA ILB-CP instruction manual completely and carefully. Wear work gloves to prevent dirt and oil from being transferred to the luminaire.

IMPORTANT SAFEGUARDS / MESURES DE SÉCURITÉ IMPORTANTES

- Turn power off before inspection, installation or removal.
- Properly ground electrical enclosure.
- To prevent electrical shock, do not mate unit connector until installation is complete and AC power is supplied to the unit.
- This kit provides more than one power supply output source. To reduce the risk of electrical shock, disconnect both normal and emergency sources by turning off the AC branch circuit and by disconnecting the unit connector.
- Battery is a sealed unit. Components are not replaceable. Replace the entire unit when necessary.
- Installation and servicing should be performed by qualified personnel only. De-energize before opening.
- The kit is for use with grounded LED luminaires listed to UL standards. Not for use in heated air outlets or hazardous locations.
- The kit requires an unswitched AC power source of 120 to 277 volts, 50/60Hz.
- Do not mount near gas or electric heaters.
- The use of accessory equipment not recommended by manufacturer may cause unsafe condition.
- The kit and frame will supply output listed as below for 90 minutes.
- For use in 0°C minimum, 40°C maximum ambient temperature.
- Do not use this equipment for other than intended use.
- Install in accordance with the National Electrical Code and local regulations.
- Lighting fixture manufacturers, electricians, and end-users need to ensure product system compatibility before final installation.

CAUTION / ATTENTION

- Follow all NEC and local codes.
- Use only UL approved wire for input/output connections. Minimum size 18AWG copper wire or 14AWG for continuous runs.
- Suivre tous les codes NEC ainsi que les codes locaux.
- Utiliser seulement du câblage approuvé par UL pour les connections d’entrées et de sorties. Utiliser des conducteurs de cuivre de grosseur 18AWG minimum ou de grosseur 14AWG dans le cas de montage en rangée continue.
Save These Instructions
Use only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

Kit vs Fixture

<table>
<thead>
<tr>
<th>LRX EMBB Fixture</th>
<th>LRX EMBB Frame Kit</th>
<th>LRXS EMBB Fixture</th>
<th>LRX EMBB Frame Kit</th>
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</thead>
<tbody>
<tr>
<td>SAP Description</td>
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<td>SAP Description</td>
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<tr>
<td>LRXR610AABBCCCEL FRAME6REL07</td>
<td>LRXS610AABBCCCEL FRAME6SEL07</td>
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<tr>
<td>LRXR618AABBCCCEL FRAME6REL10</td>
<td>LRXS618AABBCCCEL FRAME6SEL10</td>
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<tr>
<td>LRXR810AABBCCCEL FRAME8REL07</td>
<td>LRXS810AABBCCCEL FRAME8SEL07</td>
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<tr>
<td>LRXR818AABBCCCEL FRAME8REL10</td>
<td>LRXS818AABBCCCEL FRAME8SEL10</td>
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<tr>
<td>LRXR830AABBCCCEL FRAME8REL10</td>
<td>LRXS830AABBCCCEL FRAME8SEL10</td>
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<tr>
<td>LRXR840AABBCCCEL</td>
<td>LRXS840AABBCCCEL</td>
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</tr>
</tbody>
</table>

Nomenclature for LRX Series

I - “A” Denotes color rendering index (CRI)
- 8 - 80
- 9 - 90

II - “BB” Denotes correlated color temperature (CCT)
- 27 - 2700K
- 30 - 3000K
- 35 - 3500K
- 40 - 4000K
- 50 - 5000K

III - “CC” Denotes dimming type
- MD - 0-10V Dimming
- PH - Phase cut Dimming

• FRAME6REL07, FRAME6REL07, FRAME6SEL07, FRAME8SEL07 shall be mounted height Max. 22.71 ft. (6.92m)
• FRAME6REL10, FRAME8REL10, FRAME6SEL10, FRAME8SEL10 shall be mounted height Max. 25.91 ft. (7.92m)

Thickness of ceiling is listed below:

<table>
<thead>
<tr>
<th>LRXREL Fixture</th>
<th>Thickness of Ceiling Max.(mm)</th>
<th>LRXSEL Fixture</th>
<th>Thickness of Ceiling Max.(mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRXR610AABBCCCEL</td>
<td>15</td>
<td>LRXR810AABBCCCEL</td>
<td>20</td>
</tr>
<tr>
<td>LRXR618AABBCCCEL</td>
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<td>LRXR818AABBCCCEL</td>
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<tr>
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</tbody>
</table>

Prepare Electrical Wiring

**Electrical Requirements**
- The luminaire must be supplied with 120-277 VAC, 50/60 Hz (In 120-277V application).
- Connected to an individual properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker. Use min. 75°C supply conductor.

**Grounding Instructions**
- The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) Article 600 and local codes.

Fixture Requirements

<table>
<thead>
<tr>
<th>Provided Item</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 LRX EMBB Frame Kit</td>
<td>1</td>
</tr>
<tr>
<td>2 LRX EMBB Fixture</td>
<td>1</td>
</tr>
</tbody>
</table>
LRX EMBB New Construction Installation

Components

<table>
<thead>
<tr>
<th>Provided Item</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Frame (6-inch or 8-inch)</td>
<td>1</td>
</tr>
<tr>
<td>2 Mounting brackets</td>
<td>2</td>
</tr>
<tr>
<td>3 L-Bracket</td>
<td>2</td>
</tr>
<tr>
<td>4 U-Bracket (used only with RC Series Installs)</td>
<td>1</td>
</tr>
<tr>
<td>5 Wing nut</td>
<td>3</td>
</tr>
</tbody>
</table>

Frame Installation

1. Cut the appropriate size hole into ceiling tile.
2. Place side L-brackets on existing frame screws and tighten with screwdriver on both sides of the frame. Then attach mounting brackets to both L-brackets with wing nuts (provided).
3. Slide hanger bars through adjustable mounting brackets.
4. **Option A:** Mount fixture by attaching hanger bars to T-Grid ceiling (BH3 SKU 94890).
   
   **Option B:** Mount fixture with ½” EMT conduit.
   
   **Note:** Supplied by 3rd party.
5. Adjust fixture height to be flush with ceiling and tighten both mounting bracket wing nuts.
EMBB Installation

1. Ensure that the power to the unit is turned off. Use proper lockout and tagout procedures.

2. Secure the battery on the ceiling. Attach the test switch to the LRX EMBB fixture. First remove the nut from the end of test switch, then put test switch through the hole of fixture, then thread nut to test switch.

3. Connect the quick connector of LRX EMBB fixture with new frame, then close quick connector box well.

4. Connect AC and dimming leads in the junction box. Verify that AC supply line and dimming leads are connected properly.
   - If dimming leads will not be utilized, please do not remove the wire connectors.
   - For phase cut dimming product, dimming leads can be disconnected.
   - Connect male and female ends of the battery unit connector. Then the battery will discharge. Please refer to the picture shown above.
   - Wire diagram is shown above.
   - Dimming compatibility for both 0-10V and phase cut, please refer to GE website: www.gelighting.com/dimming.
Lumens Setting Switch

NOTE: For switchable product, please refer to the figure bellowing for operation. For 1000/650lm product, default output level is 1000lm. Push switch up or left to activate 650lm. For 4000/3000lm, default output level is 4000lm.

Springs up

Load springs into upright position by twisting the springs upward and carefully insert the fixture to the hole of the frame. Ensure fixture is secure.
- All kit and frame will be completely addressed on ceiling.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. CAN ICES-005 (A)/NMB-005(A).

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.