INSTALLATION INSTRUCTIONS

CRESCENT MOONRING
SHAPES W/ ROTATABLE CONNECTORS

MR1/MR1.5/MR3-RQ | Suspended, Ceiling | LED
Safety & Warnings!

1. Read all instructions.
2. Install in accordance with national and local electrical code regulations.
3. This product is intended to be installed and serviced by a qualified, licensed electrician.
4. Only install with a compatible Class 2 LED Constant Current Driver. This product has not been evaluated for use when connected to an LED driver that does not comply with Class 2 voltage and energy limited supplies.
5. Do not install in wet locations. For dry and damp use only.
6. Turn off electrical power before installing or servicing fixture in any way.
7. To reduce the risk of fire and overheating, make sure all connections are tight.

Attention!

1. Lisez toutes les instructions.
2. Installez conformément à la réglementation du code électrique national et local.
3. Ce produit est destiné à être installé et entretenu par un électricien agréé qualifié.
4. Installez uniquement avec un pilote de courant constant à DEL de classe 2 compatible. Ce produit n’a pas été évalué pour une utilisation lorsqu’il est connecté à un pilote de LED qui n’est pas conforme aux alimentations de tension et d’énergie limitée de classe 2.
5. Ne pas installer à l’extérieur ou dans des endroits humides. Pour une utilisation en intérieur et sec seulement.
6. Coupez l’alimentation électrique avant de évoluer le système d’éclairage en aucune façon.
7. Pour réduire le risque d’incendie et de surchauffe, assurez-vous que toutes les connexions sont bien serrées.

SHOCK HAZARD! May result in serious injury or death. Turn power OFF at circuit breaker prior to installation or servicing.
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Overview:

Included:

- Canopy Assembly
- Susp. Bullet and Ceiling Fitting
- Suspension Cable
- 5/64" Hex Key

Parts (by others)
- Junction Box
- Wood Screws, #10, 1.5" long

Tools Required
- Drill
- #2 phillips bit
- Wire strippers

Quick Specs
- Input Voltage / Frequency: See product label
- Rated Power: See product drawing
- Ambient Temperature: -4° – 120°F (-20° – 50°C)
- Environment: Dry and damp locations
Install remote driver J-Box(es) in an accessible/serviceable location. Run low voltage wire from Remote Driver J-Box to Canopy J-Box in accordance with local/state/federal regulations.

Install Canopy Fittings may also be mounted using toggle bolts.

Canopy Fittings may also be mounted on 1/4"-20 Threaded Rods.
Installation: Fixture

5 Route Suspension Cable and Attach to Ceiling
Route Suspension Cable through Suspension Bullet. Ball end should sit in Suspension Bullet. Screw Suspension Bullet to Ceiling Fitting.

6 Suspend fixture
Insert other end of suspension cable through gripper and suspend fixture at designated spot. Make sure male joint of one section faces female joint of other section.

7 Feed power cable through adjoining section
Fixture sections will be labeled if required to feed power cables from one section to another. To connect power, route power cable to adjoining fixture and pass through to the indirect side. For ceiling mount fixtures, this step has to be completed before mounting fixture to ceiling.

8 Connect wires
Connect wires from adjacent section to lever nuts on the indirect side. Pull lever up, insert wire and press lever down. Make sure there are no loose connections and polarity is correct.

9 Align adjacent fixtures
Align male and female connectors of adjacent fixtures and pull wire into fixture so that there is no slack around rotating connectors. Lightly tighten set screws with 5/64" hex key so rotating joints remain connected but can still be adjusted. For ceiling mount version, similarly align connectors while mounting. Make sure wires do not get pinched between parts.

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DO NOT PINCH OR PUT EXCESSIVE TENSION ON WIRES while joining sections or reattaching end caps.
10 Adjust fixture to desired angle
Adjust lengths of suspension cables at all locations on fixture to rotate it at desired angle. Maximum rotation of joint is 20°.

11 Tighten set screws
Tighten set screws on connector to secure both fixtures with provided 5/64" hex key. Make sure the joints are properly aligned.

12 Install indirect cover plates
Install indirect cover plates on center brackets by fastening provided 6-32 screws.

13 Cut excess cable/fasten cable gripper
Cut excess suspension cable and firmly tighten cable gripper cap.

14 Raise Canopy to Ceiling
Raise wiring and canopy assembly to J-box. Refer to final/record drawing to make wiring connections. **Ensure Power is OFF prior to connecting wiring.**

15 Mount Canopy Bracket to J-Box & Secure Canopy
Mount Canopy Bracket to J-Box using provided screws, then secure Canopy over J-Box with finial. **CAUTION: Do not pinch wire connections.**
Mount Canopy Bracket to J-Box using provided screws, then secure Canopy over J-Box with finial. Attach bullet (with cable) to canopy. **CAUTION:** Do not pinch wire connections.

**15B Combo Canopy Installation**

**16 Turn Power On**

Turn breaker ON and check if fixture operates as intended and that there are no loose connections.

**17A Install Direct Lenses**

Carefully angle/snap lenses into fixture, as shown. **Note:** because lenses are not adhered to fixture, fixture may only be mounted at moderate angles.

**17B Install Direct Lenses**

Ensure lenses overlap, as shown.
**Installation: Ceiling Mount**

18. **Drill Holes in Ceiling & Install Remote Driver J-Box**
   Drill three 5/8" holes in ceiling at mounting positions (per final/record drawing). Follow steps 2-3 to install "Canopy" J-Box and Remote Driver J-Box and run wiring.

19. **Install Non-Power Feed Cleat Bosses**
   Install two non-power feed Cleat Bosses either directly into framing/blocking, onto a 1/4"-20 rod, or using toggle bolts. Use a 1/2" washer (0.05-0.069" thickness) between Cleat Boss and ceiling.

20. **Install Power Feed Cleat Boss**
   One of the Cleat Bosses will have a power feed - make another 5/8" hole 2" from one of the Cleat Boss holes for wiring from fixture to remote driver.

21. **Bring Fixture to Ceiling**
   Bring fixture close to ceiling and align Ceiling Mount Brackets on fixture with Cleat Bosses. Ensure wiring location is correct.

22. **Feed Wiring to Remote Driver**
   Feed wiring through the grommet on cover plate and route through ceiling to Remote Driver.

23. **Install Non-Power Feed Cleat Bosses**
   Insert Retaining Pins, ensuring that they "click" into place around Boss and sit in gap between Mount Bracket and Collar of Boss. **CAUTION:** Do NOT pinch wires during this process.
Wiring Diagrams

Traditional On/Off

0-10V Dimming

DMX

DALI

Lutron LDE
Wiring Diagrams

0-10V Tunable

[Diagram showing wiring connections with colors and labels]
Troubleshooting

Only a certified electrician can service and troubleshoot product field issues. Always turn main power off before servicing fixture.

Full Fixture does not illuminate

- Ensure fixture is wired correctly and power is on.
- Check that circuit breaker is on and not off or tripped.
- LED driver may be defective.
- Ensure no wires are pinched between parts after joining connectors.

Full fixture is flickering

- **0-10V, DMX, and DALI Dimming Models**: Ensure polarity is correct for DATA + and - connections. Swapping DATA + and - connections can cause flickering.
- **TRIAC Dimming Models**: Ensure a compatible TRIAC Forward Phase dimmer is connected to fixture. Call tech support for further information.
- Possible loose DATA + and - connections from fixture to 0-10V, DMX, or DALI control.
- Possible loose low voltage DC + or - connection from driver to LED. Call customer support.

Fixture section(s) do not illuminate

- Possible loose low voltage DC + or - connection between LED boards or from LED driver to LED boards.
- Some fixtures need multiple LED drivers. In this case, it’s possible one of the drivers is defective, which will cause the LED connected to the driver not to illuminate. Call tech support.
- Ensure no wires are pinched between parts after joining connectors.

Fixture section(s) are flickering

- Possible loose low voltage DC + or - connection between LED boards.

Fixture does not dim

- **0-10V, DMX, and DALI Dimming Models**: Ensure polarity is correct for DATA + and - connections. Swapping DATA + and - connections can cause flickering.
- **TRIAC Dimming Models**: Ensure a compatible TRIAC Forward Phase dimmer is connected to fixture. Call tech support for further information.
- Possible loose DATA + and - connections from fixture to 0-10V, DMX, or DALI control.