

## GENERAL NOTES

Missing Items, Concealed Damage & all damage *MUST BE REPORTED* to Carrier (damage claims) or Dado Lighting (missing items) within 72 business hours of shipment being delivered. Failure to do so will require customer to pay for replacement items.

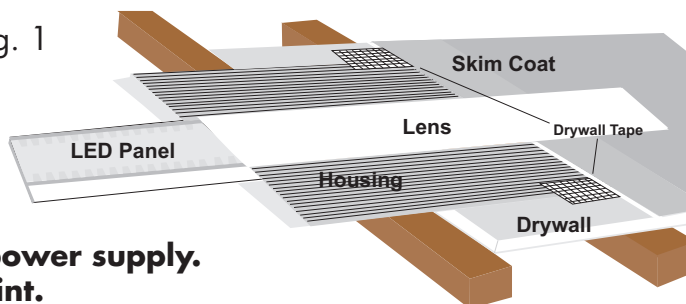
Lenses to be unrolled within 48 hours and stored flat.

If housing is not installed square and plumb with the final finished surface (without twist, warp or wane), warranty is void.

Drywall and Plaster installed to a level 5 finish.

**Pattern is a precise system and assembles in a specific order. Lay out all components prior to installation. Each housing will be uniquely labeled. Refer to the Assembly Sheets for the as built fixtures, packed in with the housings. Housing sections are NOT interchangeable, nor to be field cut unless labeled so. Lead time for replacement parts due to assembly error or un-planned modification on site will depend upon current production schedule and will require at least 2-3 weeks.**

Fig. 1

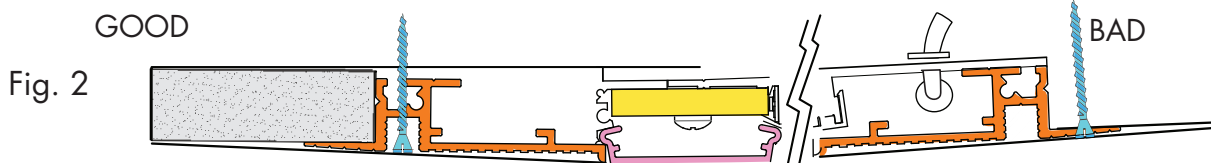


### General Outline:

1. Mount housings to structure.
2. Connect feed cable to remote power supply.
3. Install drywall, mud coat & paint.
4. Insert LED panels.
5. Insert lens.

### 1. Mount housing to structure

DO NOT SCREW THROUGH FLANGE, as this will cause the aperture to bow and the lens will not hold.



1.1. New construction – Drill holes for drywall screws through coupling channels to secure to studs, joists or blocking. Screwheads must sit flush – DO NOT USE screws that sit proud.

1.2. Cut-in construction – After cutting slot in drywall for housing, locate studs or joists and insert blocking & drill holes for drywall screws through coupling channels as needed to allow screws to attach to structure. Screws will not hold in drywall only.

**2. Field Cutting** – Housings with the the FC option may be field cut up to 6" – straight cuts across housing – no miter cuts to be made on-site.

- 2.1. Cut end opposite where feed cable is attached. See "Cut Here" label on housing.
- 2.2. Ensure wire harness within housing is pulled clear before cutting.
- 2.3. Use blade for cutting non-ferrous material, 80 teeth minimum; and feed slowly.
- 2.4. Once installed, advise factory of length(s) from measure point within housing.. For fixtures that turn left or right on same plane, provide lengths for both the inside & outside mud lips.

**3. Joining housings for long lengths or forming patterns:**

- 3.1. Insert protruding tabs from first into second housing.
- 3.2. Couple housings together with brass barrel nuts & tighten with 9/64" Allen wrench. See Fig. 3
- 3.3. For long housings without feed cable attached, join wire harness with prior housing with field crimp connector, provided. Ensure proper color / polarity match up before insertion of wires. No stripping of wires required. Use pliers and squeeze till connector is flush. Slip connector and extra wire back under lip of housing.

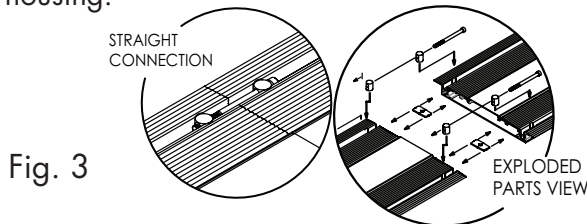


Fig. 3

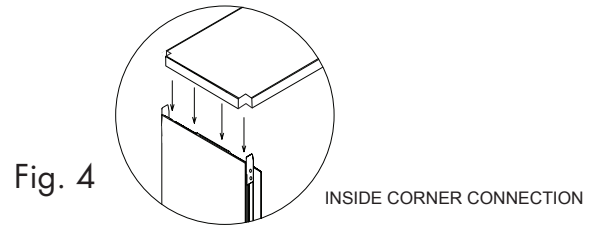


Fig. 4

**4. ICxx Inside Corner Notes** – Inside Corners are integral to housing, not a separ

- 4.1. Housing sections overlap in corner; additional length is added to one housing.
- 4.2. Housings allow adjustment for non-square or off angle corners. Ensure mud lips touch at corner.
- 4.3. LED panel and lens of first housing will overlap with panel and lens of second.
- 4.4. When cutting lenses (see Step 11) ensure overlapping lens extends past visible corner.

**5. OC90 Outside Corner Notes**

- 5.1. Outside corners are pre-assembled at factory and attach in the field to longer straight sections
- 5.2. Depending on length, OC90 lenses will either be notched and bent at the factory to wrap around the corner; or will be mitered at corner.

**6. RTxx, LTxx & hubs - Right & Left turn transitions, and X or T intersections, on same plane notes:**

- 6.1. Odd angle turns and all hubs are pre-assembled at the factory and additional housing sections are butt connected for longer lengths.

**7. Route CL2P feed cable attached to the housing to the remote power supply.**

- 7.1. Housings ship standard with 15 ft of CL2P wire attached. Up to 50' for N100 or ELV power supply; 20' for D010; of #12 wire can be added in field to reach power supply. Contact Factory in advance for longer factory cables or if longer distances are required.
- 7.2. On long lengths & patterns, feed cables are labeled with wattage load for easy loading of 100W drivers.

**8. Remote power supply wiring instructions**

(see separate instructions for appropriate wiring diagram)

Warning RISK OF FIRE and electrical shock. Installing remote power supply requires knowledge of electrical lighting systems. If not qualified, DO NOT ATTEMPT TO INSTALL. Contact a qualified Electrician

- 8.1. Remote power supply to be installed in accessible location with good air circulation; ambient temperature not to exceed 60°C (140°F).
- 8.2. On model #s R-x-N100, R-x-D010 & R-x-DLUT: Housing may be recessed within a 2x4 wall or surface mounted.
- 8.3. Model # R-ELV mounts to structure surface with screws through keyholes in case.

- 8.4. DO NOT WIRE HOT, POWER MUST BE OFF. Connection to ground required.
- 8.5. Remove appropriate sized knock-out to install line voltage feed with appropriate strain relief clamp.
- 8.6. For Model # R-x-DO10, attach grey and violet wires to 0-10V dimmer controller.
- 8.7. Note that LEDs are polarity specific, and will not light if positive and negative connections are reversed. Incorrect wiring will damage LEDs and void the warranty.
- 8.8. Bring Class 2 cable from Housing to Remote power supply and connect to Class 2 output wires of driver per included wiring diagram. Class 2 P cable wiring conventions is:
  - Red (+)
  - Black (-)
- 8.9. Install cover, and re-energize circuit.

**9. Install drywall (New construction only), mud coat & paint.**

- 9.1. Install 1/2" drywall around MC4 housings or 5/8" drywall around MC5 housings. Drywall panel slides beneath front flange of housing. Drywall to be snug under flange of housing. DO NOT screw down through flange if gaps, as this will warp the housing and the lens will not snap in.
- 9.2. Finish with tape, joint compound and skim coat to achieve a Level 5 finish before painting. Ribbed flange of housing to be fully embedded, Sand to expose front lip of fixture. Foam overspray protector can be removed and re-installed as needed.
- 9.3. Paint surface. (Note that the lens should be removed before painting if installed).

**10. Insert LED panels.**

- 10.1. Remove cardboard.
- 10.2. Install LED panels into appropriate housings in proper order per labels within housing & on back of each LED panel. e.g. Housing A - Panel A-1, A-2, etc.
- 10.3. ENSURE PANELS ARE SNUG TIGHT TOGETHER, or last panel may not fit.
- 10.4. Use pull-tab label to retrieve DC quick-connect on wire harness within housing & connect to mating connector on LED panel.
- 10.5. TIP: Insert flat blade screwdriver into mounting screw slot in panel for easy positioning within housing. Panel is slightly wider than the aperture, so a "lift & shift" motion is needed for insertion & removal.
- 10.6. Secure LED panel with clear plastic screws provided. Tighten screws BY HAND to avoid stripping.

**11. Install snap-fit lens.**

- 11.1. If lens was shipped rolled up in cold weather, un-roll and allow to lay flat in room temperature for 4-6 hours to allow acrylic to relax and expand before measuring, cutting or installing.
- 11.2. Lens can be field cut for precise fit. Place lens with face up so legs are cut last and feed VERY SLOWLY to avoid chipping. Make a practice cut first. (see Fig 5 below)
- 11.3. Install ends of lens first and press in towards the center. Pressing from one end to the other, instead of towards the center, will cause 2nd end of lens to hang on end of housing. Lens is cut tight; it will slide slightly to ensure a tight fit.

CUT LENS TO LENGTH  
WITH LENS LEGS  
FACING DOWN



Fig. 5

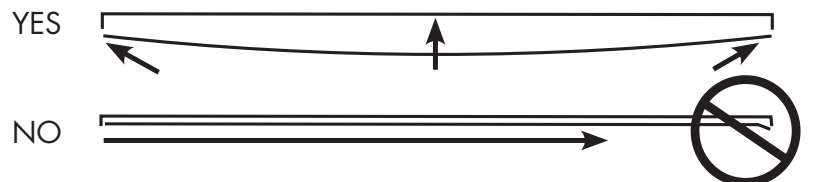


Fig. 6

11.4. TO REMOVE LENS: Insert flat blade along side of lens near end to cause lens to bow; then pull lens free. For long lenses over 8ft, have a helper to hold lens to avoid over-flexing and cracking.

Fig. 7



## 12. MIRROR INSTALLATION (with MR series).

12.1. After wall is finished, if mirror (by others) is being mounted on top of fixture, allow a gap between back of mirror and the wall. Place supplied gaskets around white lens to avoid small light leaks to the edge of the mirror.

12.2. Align frosted or clear class section of mirror in front of the fixture lens and secure to wall with z-clips or similar method to allow removal of mirror in future for LED panel replacement