

## LED Refrigerated Lighting

### J02 Series

- |            |            |
|------------|------------|
| ZY-8W600   | ZY-8W900   |
| ZY-12W900  | ZY-8W1200  |
| ZY-15W1200 | ZY-18W1200 |
| ZY-20W1500 | ZY-22W1500 |
| ZY-22W1800 | ZY-30W1800 |



### Before you go

Read this instruction carefully

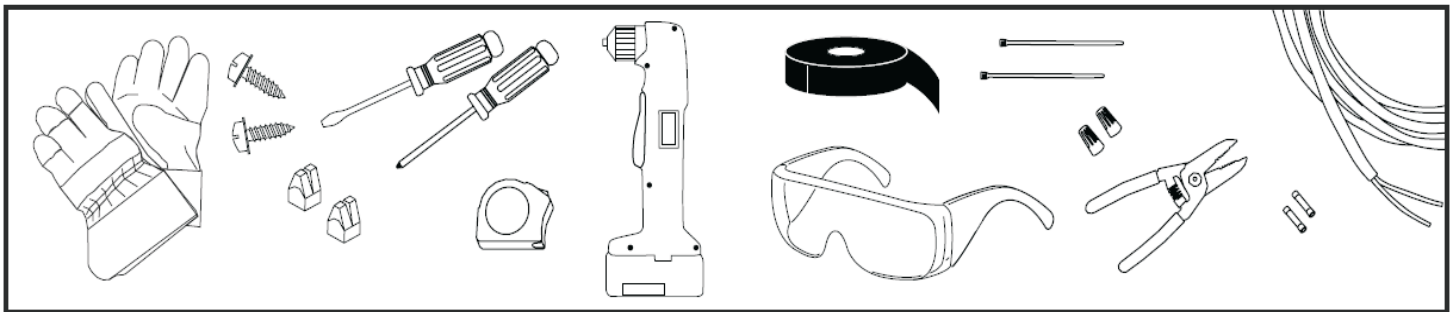
### For you safety

- Read and observe all NOTES, CAUTIONS, INSTRUCTIONS and WARNINGS show throughout this instruction.
- Installation to be performed only by experienced personnel only.
- This series is intended for use inside commercial refrigeration cases only.
- This luminaire should only be used with James Power Supply.
- Use this unit only in the manner intended by the manufacturer.
- Before intalling, servicing or cleaning unit, switch power off at the service panel.

### Electrical Wiring

- The power supply must be worked with AC100-277V AC, 50/60Hz, and connected to an individual properly grounded branch circuit.
- Do not overload driver.
- Ensure that all connection points are sealed for damp location using the appropriate method per the NEC or local electrical code.

### Tools and Accessories Recommended



Do not cut or remove existing primary case wiring.

Tools and connections shown are for secondary connections: Gloves, safety, glasses, flat and phillips head screwdrivers, 3/4 or 1 in (19 or 25mm) self-drilling/self-tapping #8 or #10 pan or hex head screws, angle drill is required (standard cordless drills will not work), measuring tape, electrical tape, wire strippers, twist-on or push-in UL Listed wire connectors, tie-wraps, and 18 gauge wire.

## ▲ WARNING/AVERTISSEMENT

**Risk of fire or electric shock.** Luminaire wiring and electrical parts may be damaged when drilling for installation of led retrofit kit, Check for enclosed wiring and components. **Risque de feu ou lectrocution.** Les pi ces et câbles lectriques risquent d' tre endommag s lors du perçage des trous pour l'installation du luminaire DEL. Veuillez v rifier si des câbles et composantes se trouvent derri re la paroi avant de percer.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. /Pour viter l'endommagement de câblage ou l'abrasion, ne pas exposer le câblage aux bords de feuilles de m tal ou d'autres objets tranchants.

## Remove the existing light component

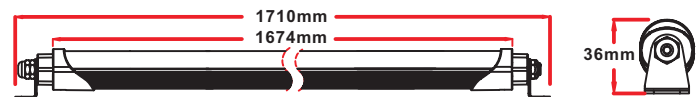
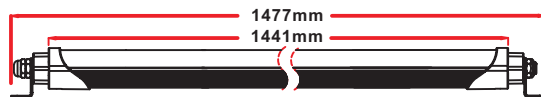
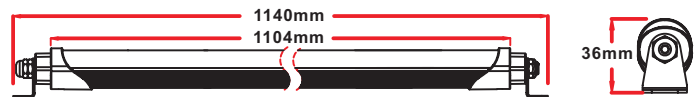
- This led refrigerator light is working with internal driver. So please remove existing old ballast. The internal driver is insulated class two grade driver. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received. Including interference that may cause undesired operation.
- This led refrigerator light is for retrofit only. Refer to manufacturing manual for refrigeration case to identify lighting control circuits. Ensure that power is switched off at the service panel for the lighting circuit. If a lighting power switch is not provided in the refrigeration case, power removal can be performed at the main breaker panel.
- Locate existing lighting components including ballast, lampholders, lamps, and lamp guards in the refrigeration case for removal. Please refer to refrigeration manual for any questions dealing with component locations.
- Remove lamps, lampholder and lamp guards, Cut the wiring, making the cut as close to the lampholder as possible. Do not remove wiring from case as it will be utilized to attach the LED light. Dispose of components per Federal and Local regulations.
- Locate ballast within system. The most common location is in the mullion or the electrical of the refrigerated case.
- Disconnect ballast input and output connectors. Cut the ballast connector wires nearest to the connector and remove connector. Unscrew the mounting screws that attach ballast and remove ballast. Dispose of ballast according to Federal and Local Regulations.

### ▲ WARNING/AVERTISSEMENT

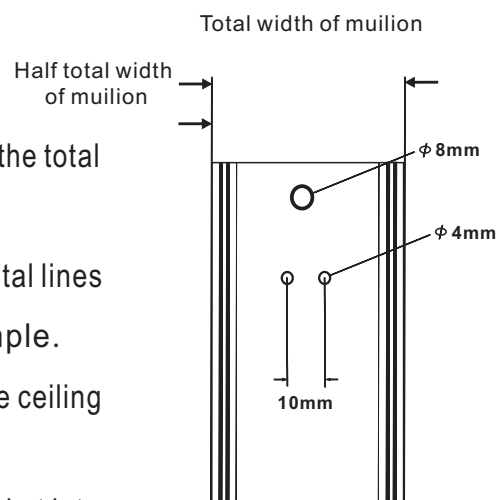
**Risk of fire or electric shock.** Luminaire wiring and electrical parts maybe damaged when drilling for installation of LED retrofit kit.

## Prepare for installation

- Prepare power drill, 7/64-inch (2.8mm) drill bit and 5/32-3/4 inch self-drilling screw.
- Place proper LED Light in the location where the Fluorescent Lamp was formerly located.  
attach ballast and remove ballast. Dispose of ballast according to Federal and Local Regulations.
- The length of this LED refrigerated case as below:



- Measure the total width of the mullion and mark a vertical line half the total width near the top and bottom of the mullion.
- Center the center punch directly at the intersection of the horizontal lines and the vertical line( top and bottom) and establish a dimple.
- Using a power drill with 7/64" drill bit. Drill two or three holes on the ceiling (or the frame) in the refrigerated case.
- Using a 5/32-3/4-inch self drilling screw. Attach the mounting bracket into two or three of the mounting holes located on the ceiling(or the frame).

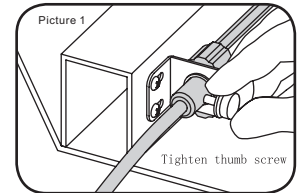
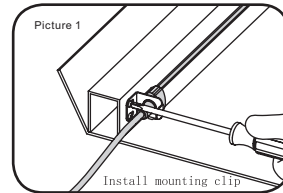


## ▲ WARNING/AVERTISSEMENT

- Risk of fire or electric shock.** Only those open holes indicated in the photographs and/or drawing may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electric components.
- Risk of fire or electric shock.** Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.
- Risk of fire or electric shock.** LED Retrofit kit installation requires knowledge of luminaires electrical systems. If not required, do not attempt installation. Contact a qualified electrician.
- Risk of fire or electric shock.** Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit.
- Risk of fire or electric shock.** To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Risk of injury.** Do not overload LED driver. Do not exceed limits shown in " maximum LED Driver Loading"
- Note:** Installing the LED Light on the wrong side will result in very low light level inside the refrigerated case.

## Install LED Lights

- Thread LED light wire through the large hole in selected mounting clip and slide over the end of LED light.
- Slide second mounting clips over opposite end of Light.
- With mounting clips still attached, place LED Light flush against mounting surface. Positioning it as far forward as possible while still concealing LED Light from view.
- Install mounting clips to panel with two # 6 self-drilling pan headed screws per mounting clip. Refer to Figure 1
- Insert thumb screw into one mounting clip and partially tighten screw two enable the LED Light position to adjust. Refer to figure 2.



## Cleaning Instructions

- The LED Light may be dusted as needed with a dry, clean, soft cloth.
- Do not use chemical cleaners on the system.
- Do not wipe with a soiled dishcloth or wet towel-these may leave a residue that can damage the finish.
- Do not use scouring pads, powdered cleaning products, bleach or cleaner containing bleach because these products can scratch and damage the finish.
- Do not wipe the lens with a soiled dish cloth or wet towel.