FRD SERIES FLUORESCENT LUMINAIRES

Installation & Maintenance Information

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

FRD INSTALLATION INSTRUCTIONS
PLEASE READ THESE SUGGESTED INSTALLATION INSTRUCTIONS PRIOR TO CEILING SYSTEM INSTALLATION.

The FRD series is designed to blend and fit parallel or perpendicular to the formed panels in a 300mm x 25mm continuous ceiling system.

IMPORTANT NOTES:

The installation of a support channel suspension, support channels, ceiling panels, etc. should be followed in accordance with the manufacturer’s ceiling system guidelines. Due to the weight of the lighting fixture, it may be necessary to support the fixture with tie wires or drop rods that are not provided. Please refer to the ceiling manufacturer’s mounting guidelines for information of equipment installed in conjunction with their systems. This lighting fixture has been approved for use in B15 fire-rated ceiling systems, but requires additional insulation that is not provided. Call lighting equipment manufacturer for more information.

It is important to note that the fixture is designed so that the mounting brackets rest on top of the ceiling support channels. Prior to ceiling installation, consideration should be given as to the placement of the support channels in relation to the finished location of the lighting fixture. Some ceiling systems require a maximum distance of 48” (1220mm) between support channels. When installing a 4’ fixture parallel with the ceiling panels, the fixture may interfere with the support channels. In this case, the channels may have to be interrupted. The mounting brackets are designed to allow for channel interruption, as may be seen in the diagram(s) provided. For any conflicts, refer to the ceiling system manufacturer’s system guidelines.

PARALLEL MOUNTING

1. Install mounting brackets on all four corners, using screws provided. With the lens frame down, first slot in housing is for 3/4” (20mm) support channel & second slot is for 1–1/16” (27mm) support channel.
2. Place fixture in ceiling with the mounting brackets resting on top of support channels. Note that it may be necessary to remove a section in one channel to accommodate the four foot fixture.
3. Insert channel clamp bracket into the appropriate slot and rotate 90° to make captive.
4. Install supplied screw through clamp bracket hole into corresponding fixture mounting bracket. Tighten securely. Repeat for other mounting brackets.
5. Open door frame by pulling downward until wire springs catch. Open one side of the door frame by squeezing springs inward. Allow door frame to hang open.
6. Squeeze the center of the reflector or remove four nuts and then remove the reflector.
7. Feed wires into fixture using knockout(s) and wire using acceptable wire connectors or terminal block.
8. Install reflector and close door frame, making sure that wire springs are clipped inside the formed metal hooks.
9. Depending on the finished look desired, the ends of the ceiling panels may be butted against the outer trim of the fixture, or the panels may be formed 1” (25mm) short so as to leave a consistent trough around the fixture. If the fixture is an emergency type, it will be necessary to notch and fold one end over. This will provide a 1” gap for the emergency test switch and indicator light.

PERPENDICULAR MOUNTING

1. Install mounting brackets on all four corners, using screws provided. With the lens frame down, first slot in housing is for 3/4” (20mm) support channel & second slot is for 1–1/16” (27mm) support channel.
2. Place fixture in ceiling with the mounting brackets resting on top of support channels.
3. Insert channel clamp bracket into the appropriate slot and rotate 90° to make captive.
4. Install supplied screw through clamp bracket hole into corresponding fixture mounting bracket. Tighten securely. Repeat for other mounting brackets.
5. Open door frame by pulling downward until wire springs catch. Open one side of the door frame by squeezing springs inward. Allow door frame to hang open.
6. Squeeze the center of the reflector or remove four nuts and then remove the reflector.
7. Feed wires into fixture using knockout(s) and wire using acceptable wire connectors or terminal block.
8. Install reflector and close door frame, making sure that wire springs are clipped inside the formed metal hooks.
9. Depending on the finished look desired, the ends of the ceiling panels may be butted against the outer trim of the fixture, or the panels may be formed 1” (25mm) short so as to leave a consistent trough around the fixture. If the fixture is an emergency type, it will be necessary to notch the lip of one panel to provide clearance for the emergency test switch and indicator light.
A. CEILING PANEL (SUPPLIED BY OTHERS)
B. EMERGENCY INDICATOR LIGHT (EM SUFFIX ONLY)
C. EMERGENCY TEST SWITCH (EM SUFFIX ONLY)
D. SUPPORT CHANNELS (SUPPLIED BY OTHERS)
E. MOUNTING BRACKET SCREW (10 X 1/2"
F. MOUNTING BRACKET
G. CHANNEL CLAMP BRACKET
H. CLAMP BRACKET SCREW (10 X 1-1/2"
J. TWO FOOT OR FOUR FOOT FRD FIXTURE
FRD SERIES FLUORESCENT LUMINAİRES

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FRD – 4FT & 2FT PERPENDICULAR

A. CEILING PANEL (SUPPLIED BY OTHERS)
B. EMERGENCY INDICATOR LIGHT (EM SUFFIX ONLY)
C. EMERGENCY TEST SWITCH (EM SUFFIX ONLY)
D. SUPPORT CHANNELS (SUPPLIED BY OTHERS)
E. MOUNTING BRACKET SCREW (#10 X 1/2")
F. MOUNTING BRACKET
G. CHANNEL CLAMP BRACKET
H. CLAMP BRACKET SCREW (#10 X 1-1/2")
J. TWO FOOT OR FOUR FOOT FRD FIXTURE

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