**NFL FLUORESCENT LIGHTING FIXTURES**

**APPLICATION**
NFL Fluorescent lighting fixtures suitable for use in Wet Locations, NEMA 4X. They are also suitable for use where cleanliness and sanitation are prime factors.

NFL Fluorescent lighting fixtures are supplied with a choice of voltages and wattages. The 2 ft. fixture is available in 40 watts at 120, 277, or 347 volts, 60 Hz. The 4 ft. units are offered in 32 & 40 watts at 120, 277, or 347 volts, 60 Hz. and 220-240, 50/60 Hz. NFL Fluorescent lighting fixtures are suitable for operation in a 40˚C ambient temperature.

**INSTALLATION**

**Note:** NFL Fluorescent lighting fixtures must be installed, inspected, and maintained by qualified and competent personnel.

**CAUTION**
- To avoid cycling, do not exceed an ambient temperature of 40˚C.
- To avoid light failure, proper field wiring must be used.

**WARNING**
- To avoid electrical shocks, be certain that power is OFF before and during installation or before attempting any maintenance.
- To avoid electrical shocks, fixture must be installed on grounded wiring system.

1. Rotate the mounting brackets into mounting position.
2. Mount fixture - chain or ceiling in its support position and attach to wiring system* (see illustration below).
   * Two (2) 1/2" Myers conduit hubs are supplied for dead end or through feed wiring.
3. Open lens assembly by releasing latches on both sides.
4. Remove combination reflector/cover by removing fasteners (clips and screws).
5. Connect fixture leads to incoming conductors using methods that comply with the National Electrical Code or the Canadian Electrical code and applicable local codes.

**CAUTION**
To maintain wet locations, NEMA 4X suitability:
- Secure all latches
- In dead end applications, also close unused end opening with a Myers hub and 1/2" pipe plug (furnished)

6. Replace reflector/cover and refasten using clips and/or screws.
7. Close lens assembly and secure all latches.

**LAMPS FOR USE IN NFL LIGHT FIXTURES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Wattage</th>
<th>Lumen</th>
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<tbody>
<tr>
<td>NFL2140</td>
<td>40 watt</td>
<td>3150</td>
</tr>
<tr>
<td>NFL2323</td>
<td>32 watt</td>
<td>2850</td>
</tr>
<tr>
<td>NFL2400</td>
<td>34 watt</td>
<td>2650</td>
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Note: Higher lumen 32 watt T8 and 34 watt T12 lamps are available. Consult lamp manufacturers.
LAMP INSTALLATION/REPLACEMENT

1. Open lens assembly by releasing latches on both sides.
2. Install lamps. Use only correct lamps as specified on fixture nameplate.
3. Close lens assembly and secure all latches.

MAINTENANCE

WARNING
To avoid dangerous electrical shocks, always disconnect power source before opening fixture for inspection or service.

1. Frequent inspections should be made. A schedule for maintenance checks should be determined by the environment and frequency of use. It is recommended that inspections should be performed at least once a year.
2. Visually check for damaged parts and proper lamp operation.

REPLACEMENT PARTS

NFL lighting fixtures are designed to provide years of reliable lighting performance. However, should the need for replacement parts arise, they are available through your Crouse-Hinds Distributor. Assistance may also be obtained through your Crouse-Hinds Sales Representative or the Crouse-Hinds Customer Service Department, P.O. Box 4999, Syracuse, New York, 13221, Phone (315) 477-5531.

Latches ..............0305406
Lens (2 ft.)......0305418
(4 ft.)......0305405

WIRING DIAGRAMS

For (1) 40W Biax Lamp Using a Two Lamp Ballast

For (2) 32W or 40W Lamps Using a Two Lamp Rapid Start Ballast

For (2) 32W or 40W Lamps Using a Two Lamp Instant Start Ballast

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Crouse-Hinds "Terms and Conditions of Sale", and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.