The following wiring diagrams provide instructions for connecting field wiring leads to Champ and Hazard•Gard HID luminaires with quartz auxiliary lamp. A 120 volt tap is required for auxiliary lamp operation (Quartz lamp is not supplied).

In the event of a power interruption or ballast failure, following restoration of power the auxiliary lamp will light. The auxiliary lamp will remain ON for 2 minutes after the HID lamp restrikes.

**WARNING**

Electrical power must be OFF before and during installation and maintenance.

Wiring diagrams - see page 2

**Quartz Auxiliary Lamp Working Sequence**

**Situation #1** - The fixture is being energized with a cold HID lamp.

Under this condition, the Quartz lamp and the HID lamp will come on when the fixture is powered up and the Quartz lamp will remain on for a period of time ranging from 2-4 minutes while the HID lamp is warming up.

**Situation #2** - The fixture’s HID lamp has been on for a length of time (hot HID lamp) and power is lost and then restored to the fixture.

Under this condition, the Quartz lamp will come on once the power is restored. The Quartz lamp will remain on as long as the HID isn’t operating (2-5 min) and once the HID lamp restrikes, it will go off in 2-4 minutes.

**LAMP ORDERING CODE**

Maximum wattage for auxiliary lamp in fixture with suffix qtz (Quartz) is 100 watts.

**SYLVANIA, GE or PHILLIPS**

100 watt - 100Q/CL/DC, Q100 CL/DC, Q100 DC or equivalent.
Wiring Diagrams

High Pressure Sodium Ballast  50W - 150W LX
Pulse Start Metal Halide  175W-400W S828
Metal Halide Ballast 70W - 100W
Metal Halide Ballast 150W S828

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