

## OUTDOOR OPTIONS

### Option Explanations:

- EP – Potted core and coil ballast for quiet operation.
- HL – HI/LO bi-level dimming.
- HR – Hot Restrike. This option is primarily used for HPS 150 watt and below. The “HR” generates high voltage pulses to restrike lamp after a brief power interruption has extinguished it.
- CUL – UL Listing to meet CSA standards
- LP – Lamp provided in fixture.
- PCR – Photocontrol receptacle. Twist lock photo control must be ordered separately.
- PE – Button type photocontrol (not available in 480 volt).
- PSC – Pulse Start MH CWA Ballast. Required for use with HI/LO and Pulse Start lamp.
- PSR – Pulse Start MH Reactor Ballast. **(277 volt only)**
- PX – Polycarbonate Lens
- \*Q – This is a Quartz Standby option designed for auxiliary light during the H.I.D. lamp cool-down period after a momentary power outage. It is not intended for use with an auxiliary power source nor will it operate when the H.I.D. lamp is on.
- \*QEM – This is a Quartz Emergency option designed for stand-by lighting during a power outage and is to be used in conjunction with an auxiliary power source (i.e., 120v generator). A 120 volt AC generator must be wired to the QEM relay during fixture installation. In the event of a power failure, the emergency generator is activated (generator and controls to switch the generator on and off are supplied by others), and the relay connects the emergency 120 volt AC to the quartz lamp. When power is restored, the generator is switched off (controls supplied by others), and the relay turns off the quartz lamp. Both lamps will not operate at the same time.
- \*QTD – This is a Quartz Time Delay option designed for auxiliary light during the H.I.D. lamp warm-up period as well as the cool-down period after a momentary power outage. It is not intended for use with an auxiliary power source. This option will operate on an H.I.D. circuit by sensing the current to the H.I.D. lamp. Once it detects this flow of current, a 2 minute timer is activated. Upon initial power to the fixture, the quartz lamp will come on for approximately 2 minutes to provide auxiliary lighting during lamp warm-up. Also, during the cool-down period after a momentary power outage, the relay senses that there is no current flow and switches power to the quartz lamp. Upon restrike of the H.I.D. lamp, the controller switches the quartz lamp off after approximately 2 minutes. The quartz lamp is energized until the H.I.D. lamp reaches 60-70% full lumen output at either initial start-up or after a momentary power outage. There must be power to the fixture for the QTD to operate.
- PT3 – 3 ft. 14/3 SO Cord Set
- PT6 – 6 ft. 14/3 SO Cord Set
- WDF – Wired double fuse holder. This fuse holder is factory wired and is used for 208, 240, or 480 volt. Fuses not included. Type KTK fuses required.
- WSF – Wired single fuse holder. This fuse holder is factory wired and is used for 120, 277, or 347 volt. Fuses not included. Type KTK fuses required.
- NFZ – NSF Certified for non-food zone areas.
- \*Note: The quartz options require a T-4 Double Contact Bayonet base Tungsten Halogen Lamp or T-6 1/2 Double Contact Bayonet Incandescent Lamp. The Q and QTD quartz relays are completely pre-wired at the factory. They are powered from the ballast of the fixture by a 120 volt tap. No additional wiring is required during installation. As a general rule of thumb, the quartz lamp wattage should be less than or equal to (in certain products), the H.I.D. lamp wattage (300W maximum). Follow instructions on lamp label or consult the factory.

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