QUICKTRONIC® MH
Electronic Metal Halide Systems

Professional Series

Lamp / Ballast Guide

- QTP 1x20MH/UNV
- QTP 2x20MH/UNV
- QTP 1x20MH/SG UNV
- QT 1x20MH/SLIM 120V M156*; C156
- QTP 1x30MH/UNV
- QTP 2x30MH/UNV
- QTP 1x30MH/SG UNV
- QT 1x30MH/SLIM 120V M130*; C130
- QTP 1x50MH/SG UNV M110
- QTP 1x70MH/UNV
- QTP 1x70MH/SG UNV
- QT 1x70MH/SLIM 120V M102/M142*; C102/C142
- QTP 1x100MH/UNV
- QT 1x150MH/UNV
- QT 1x150MH/UNV M110
- QT 1x150MH/UNV M102/M142*; C102/C142
- M156; C156
- M130*; C130
- M102/M142*; C102/C142

*earlier reference obsolete

Key System Features

- Constant power regulation
- Universal input voltage
- High power factor
- Low harmonic distortion
- Small size and lightweight
- 80ºC case temperature
- UL, FCC
- QUICK 60+® warranty

System Information

SYLVANIA QUICKTRONIC MH ballasts and SYLVANIA METALARC® POWERBALL® CERAMIC lamps are perfectly matched to provide optimal system performance.

Our electronically controlled system delivers several advantages over conventional components, including improved lumen maintenance and extended photometric life.

The superior power regulation design produces consistently brilliant light output and color throughout the life of the lamp. This circuitry also provides constant light output during periods of fluctuating supply voltage.

Sensing technology shuts down lamp power when an inoperative or malfunctioning lamp is present.

Enclosure Styles

Enclosure Styles

F = Feet Mount for track light fixtures
(All leads exit side of ballast, as shown on next page.)

J = J-Box Mount with PEM studs for recessed downlight fixtures
(All leads exit middle/bottom of ballast, as shown on next page.)
Electrical Metal Halide Systems Universal Voltage (120-277V)

<table>
<thead>
<tr>
<th>Item Number</th>
<th>OSRAM SYLVANIA Description</th>
<th>Input Voltage (VAC)</th>
<th>Input Current (AMPS)</th>
<th>Lamp Type</th>
<th>Rated Lumens (lm)</th>
<th>No. of Lamps</th>
<th>Ballast Factor (BF)</th>
<th>System Wattage (W)</th>
<th>System Efficacy (lm/W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>51908</td>
<td>QTP1x20MH/UNV-F</td>
<td>120-277</td>
<td>0.21/0.085</td>
<td>20W T4.5</td>
<td>1700</td>
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<td>1700</td>
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<td>51909</td>
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<td>120-277</td>
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<td>20W T4.5</td>
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<td>1.0</td>
<td>3400</td>
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<td>51910</td>
<td>QTP1x39MH/UNV-F</td>
<td>120-277</td>
<td>0.39/0.17</td>
<td>39W T6</td>
<td>3400</td>
<td>1</td>
<td>1.0</td>
<td>3400</td>
<td>44</td>
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<td>51911</td>
<td>QTP1x39MH/UNV-J</td>
<td>120-277</td>
<td>0.75/0.33</td>
<td>39W T6</td>
<td>3400</td>
<td>2</td>
<td>1.0</td>
<td>6800</td>
<td>89</td>
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<tr>
<td>51912</td>
<td>QTP1x70MH/UNV-F</td>
<td>120-277</td>
<td>0.67/0.29</td>
<td>70W T6</td>
<td>7000</td>
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<td>7000</td>
<td>79</td>
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<tr>
<td>51913</td>
<td>QTP1x70MH/UNV-J</td>
<td>120-277</td>
<td>0.96/0.41</td>
<td>100W E17</td>
<td>9000</td>
<td>1</td>
<td>1.0</td>
<td>9000</td>
<td>110</td>
</tr>
</tbody>
</table>

1: Data based on ceramic lamp types except where noted.

Specifications

- Voltage Range: ±10% of 120-277V rated line (108-305V)
- Input Frequency: 50/60 Hz
- Power Factor: >98%
- Low THD: <10%
- Starting Temp: -22°F/-30°C min.
- Lamp Frequency: 165Hz Square Wave
- UL Listed, Type 1, Outdoor
- Suitable for recessed use
- 80°C Max. Case Temperature, Thermally Protected
- FCC 47CFR Part 18 Non-Consumer Sound Rated A
- ANSI C62.41 Cat. A Transient Protection
- Remote Mounting capability, typically 6 ft but varies by application, remote capability up to 15 ft. Contact OSRAM SYLVANIA for details.
- Lamp current crest factor: <1.2

Installation Notes

- Use minimum 4kV pulse rated lamp holder.
- Use minimum 4kV pulse rated or UL style 3561 wire for lamp connections.
- Red lead must be connected to center terminal of lamp. Do not connect any lamp lead to neutral or ground.

System Life / Warranty

QUICKTRONIC products are covered by our QUICK 60+® warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to our QUICK 60+ warranty bulletin.

- Max. Case Temp.: <75°C 5 years
- <80°C 3 years

OSRAM SYLVANIA
National Customer Service and Sales Center
1-800-LIGHTBULB
(1-800-544-4828)
www.sylvania.com
Use minimum 4kV pulse rated lamp holder. Use minimum 4kV pulse rated or UL style 3561 wire for lamp connections. Red lead must be connected to center terminal of lamp. Do not connect any lamp lead to neutral or ground.

**Installation Notes**

Quicktronic products are covered by our Quicktronic 60+-warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to our Quicktronic 60+-warranty bulletin.

**System Life / Warranty**

Quicktronic products are covered by our Quicktronic 60+-warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to our Quicktronic 60+-warranty bulletin.

**Specifications**

- Input Voltage Range: ±10% of rated input
- Input Frequency: 50/60 Hz
- Power Factor: >98%
- Low THD: QTP: <10%, QT: <20%
- Starting Temp: -22°F/-30°C min.
- Lamp Frequency: 165-170Hz Square Wave
- UL Listed, Type 1, Outdoor Suitable for recessed use
- Lamp Frequency: 165-170Hz Square Wave
- Thermally Protected FCC 47CFR Part 18 Non-Consumer Sound Rated A
- ANSI C62.41 Cat. A Transient Protection
- Remote Mounting capability
- Lamp current crest factor: <1.2

**Electronics Data**

- Ballast shall be a metal halide Sylvania Quicktronic MH electronic ballast.
- Item number 51961 QTP 1x39MH / UNV SQ F

**Wiring Diagrams**

- Blue = Ballast
- Red = Lamp
- Black = Lamp
- Green = Lamp
- White = Lamp

**Packaging:**

- Quantity: 40 pieces per carton
- Weight: 36 lbs. per carton (0.9 lbs each)

**Performance Guide**

Use minimum 4kV pulse rated lamp holder. Use minimum 4kV pulse rated or UL style 3561 wire for lamp connections. Red lead must be connected to center terminal of lamp. Do not connect any lamp lead to neutral or ground.
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<th>System Lumens</th>
<th>Input Wattage (W)</th>
<th>System Efficacy</th>
<th>System Life / Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>51930</td>
<td>QT1x150MH/UVN F</td>
<td>120-277</td>
<td>1.40/0.60</td>
<td>T8</td>
<td>150W T7.5</td>
<td>1</td>
<td>1.0</td>
<td>15500</td>
<td>167</td>
<td>93</td>
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<td>51931</td>
<td>QT1x150MH/UVN J</td>
<td>120-277</td>
<td>1.40/0.60</td>
<td>T8</td>
<td>150W T7.5</td>
<td>1</td>
<td>1.0</td>
<td>15500</td>
<td>167</td>
<td>93</td>
<td></td>
</tr>
</tbody>
</table>

1: Data based on ceramic lamp types except where noted.

Specifications

- Input Voltage: 108-305V
- Input Frequency: 50/60 Hz
- Power Factor: >98%
- Low THD: <15%
- Starting Temp: -22°F/-30°C min.
- Lamp Frequency: 170Hz Square Wave
- UL Listed, Type 1, Outdoor
- Suitable for recessed use
- 75°C Max. Case Temperature, Thermally Protected
- FCC 47CFR Part 18 Non-Consumer Sound Rated A
- ANSI C62.41 Cat. A Transient Protection
- Remote Mounting capability
- Lamp current crest factor: <1.4

Installation Notes

- Use minimum 4kV pulse rated lamp holder.
- Use minimum 4kV pulse rated or UL style 3561 wire for lamp connections.
- Red lead must be connected to center terminal of lamp. Do not connect any lamp lead to neutral or ground.

System Life / Warranty

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<table>
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<th>Max. Case Temp.</th>
<th>Warranty Period</th>
</tr>
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<tbody>
<tr>
<td>&lt;70°C</td>
<td>5 years</td>
</tr>
<tr>
<td>&lt;75°C</td>
<td>3 years</td>
</tr>
</tbody>
</table>

Contact OSRAM SYLVANIA for details.

Packaging:
- Quantity: 20 pieces per carton
- Weight: 45.5 lbs. per carton (2.275 lbs each)