**Lamp/Ballast Guide**

32W T8 - OCTRON®
- 2-lamp QT2x32T8/ISH-SC
- 3-lamp QT3x32 PLUS
- 3-lamp QTP3x32T8 UNV ISH SC
- 4-lamp QHE4x32 277 ISH

Also operates:
- FC30/SS (30W Lamp)
- FBCO30/SS (30W Lamp)
- FO28/SS (28W Lamp)

**Key System Features**

- New low profile available: 1.18” high “Small Can”
- Standard enclosure size (4 lamp) and PLUS models
- 120% Ballast factor* (118)
- 30% More light output than standard T8 systems
- 0°F (-18°C) min. starting temp. for OCTRON lamps
- 60°F (16°C) min. starting temperature with OCTRON SUPERSAVER® lamps
- Full lamp life
- Virtually eliminates lamp flicker
- Compatible with most powerline carrier systems*
- High power factor
- Low harmonic distortion
- Low in-rush current
- Lightweight
- UL, CSA, FCC

**Application Information**

SYLVANIA QUICKTRONIC® 32 ISH is ideally suited for:
- Commercial
- Retail
- Hospitality
- Institutional
- Schools
- New Construction
- Retrofit
- Direct Lighting
- Indirect Lighting
- Surface Mount
- Cove Lighting

SYLVANIA QUICKTRONIC 32 ISH (PLUS) operates OCTRON FO32, FBO32 and FBO31 T8 lamps with increased lumen output and high system efficacy.

SYSTEM 32 ISH provides 20% more lumen output than F40T12 magnetic systems while saving nearly 20% in energy. Compared to standard T8 systems, 32PLUS provides 30% more light output.

High light output and multi-lamp capability for up to three lamps allows fewer ballasts to be used in a fixture and provides tandem wiring options. Also, parallel circuitry is utilized to keep the remaining lamps lit if one or more should go out.

Setting the standard for quality, SYSTEM 32 ISH is also covered by our QUICK 60+® warranty, the first and most comprehensive system warranty in the industry.

SYSTEM 32 ISH is available in two and three lamp models in 120V and 277V (and two lamps 347V) to cover a wide range of applications.

**System Information**

**System Type**

<table>
<thead>
<tr>
<th>System Type</th>
<th>Input Wattage</th>
<th>Initial Lumens</th>
<th>System LPW</th>
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<tbody>
<tr>
<td>F40T12 Std. Magnetic Ballast</td>
<td>96</td>
<td>5795</td>
<td>60</td>
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<tr>
<td>E.S. Magnetic Ballast</td>
<td>86</td>
<td>5795</td>
<td>67</td>
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<td>F34T12 E.S. Magnetic Ballast</td>
<td>72</td>
<td>4750</td>
<td>66</td>
</tr>
<tr>
<td>FO32/XP QT2x32T8/ISH-SC</td>
<td>78</td>
<td>7200</td>
<td>92</td>
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<tr>
<td>F028/SS QT2x32T8/ISH-SC</td>
<td>67</td>
<td>6540</td>
<td>98</td>
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<tr>
<td>FB40T12/D41 E.S. Mag. Ballast</td>
<td>86</td>
<td>5795</td>
<td>67</td>
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<tr>
<td>Electronic Ballast (L.S.)</td>
<td>75</td>
<td>6000</td>
<td>80</td>
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<tr>
<td>FBO32/XP QT2x32T8/ISH-SC</td>
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<td>6960</td>
<td>92</td>
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<tr>
<td>FB030/XP/SS QT2x32T8/ISH-SC</td>
<td>73</td>
<td>6720</td>
<td>92</td>
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</tbody>
</table>

New QTP 3 lamp Universal Voltage (120-277) model and new 4 lamp QHE 277V model available.

SYSTM 32 ISH electronic ballasts have low harmonic distortion with corresponding low in-rush current* for optimal system performance.

SYSTEM 32 ISH electronic circuitry is designed to be compatible with powerline carrier systems.*

A complete OSRAM SYLVANIA System Performance Guide showing performance characteristics for all combinations of lamps and ballasts is available upon request.

* Except Universal Voltage and High Efficiency models
<20% THD Electronic T8 Fluorescent Systems

### Specifications

**Starting Method:** Instant Start  
**Ballast Factor:** 1.18-1.20  
**Circuit Type:** Parallel  
**Lamp Frequency:**  
- All SC & QHE models: > 40KHz  
- QT standard enclosure > 20KHz  
**Lamp CCF:** < 1.7  
**Starting Temp.:**  
- OCTRON® T8 lamps: 10°F  
- SUPERSAVER® T8 lamps: 60°F  
**Low THD:** < 20%  
**Power Factor:** > 97%  
**Voltage Range:** +/− 10% of Rated Input  
**UL Listed Class P, Type 1, Outdoor CSA Certified**  
**CSA Certified**  
**70°C Max Case Temperature**  
**FCC 47CFR Part 18 Non-Consumer Class A Sound Rating**  
**ANSI C62.41 Cat. A Transient Protection**  
**Remote Mounting up to 18 feet**

### Data shown based upon SYLVANIA OCTRON® FO32/XP® lamp(s). QUICKTRONIC® 32PLUS is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

All models will also operate F32 (and the U-Bend equivalent) T8 lamps. Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Electronic Ballast Catalog.

### Dimensions "SC" Small Enclosure:

- Overall: 9.5" L x 1.68" W x 1.18" H  
- Mounting: 8.90"

### Wiring:

- Leads only

### Packaging:

- 10 pieces  
- Weight: 1.6 lbs ea. (approx.)

### Dimensions Standard Enclosure "PLUS & QHE ISH" models above:

- Overall: 9.5" L x 2.38" W x 1.6" H  
- Mounting: 8.90"

### Wiring:

- Leads only

### Packaging:

- 10 pieces  
- Weight: 2.8 lbs ea. (approx.)

### Order Information

**Item Number**  
**Description**  
**Input Voltage (VAC)**  
**Input Current (AMPS)**  
**Lamp Type**  
**Rated Lumens (lm)**  
**No. of Lamps**  
**Ballast Factor (BF)**  
**System Lumens**  
**System Wattage**  
**System Efficacy (lm/W)**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Input Voltage (VAC)</th>
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<th>Lamp Type</th>
<th>Rated Lumens (lm)</th>
<th>No. of Lamps</th>
<th>Ballast Factor (BF)</th>
<th>System Lumens</th>
<th>System Wattage</th>
<th>System Efficacy (lm/W)</th>
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<tr>
<td>49923</td>
<td>QT 2x32T8/120 ISH-SC</td>
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<td>2</td>
<td>1.20</td>
<td>7200</td>
<td>78</td>
<td>92</td>
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<td>49924</td>
<td>QT 2x32T8/277 ISH-SC</td>
<td>277</td>
<td>0.29</td>
<td>FO32/XP</td>
<td>3000</td>
<td>2</td>
<td>1.18</td>
<td>10600</td>
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<td>92</td>
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<td>49525</td>
<td>QT 3x32/120 PLUS</td>
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<td>0.96</td>
<td>FO32/XP</td>
<td>3000</td>
<td>3</td>
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<td>49526</td>
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<td>49226</td>
<td>QT 2x32/347 PLUS***</td>
<td>347</td>
<td>0.23</td>
<td>FO32/XP</td>
<td>3000</td>
<td>2</td>
<td>1.20</td>
<td>7200</td>
<td>78</td>
<td>92</td>
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</table>

**QUICKTRONIC® Professional & QUICKTRONIC® QHE High Efficiency Models <10%THD**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>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 Lumens</th>
<th>System Wattage</th>
<th>System Efficacy (lm/W)</th>
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<tr>
<td>49845*</td>
<td>QTP 3x32T8/UNV ISH-SC</td>
<td>120-277</td>
<td>0.95/0.41</td>
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<td>49521*</td>
<td>QHE 4x32T8/277 ISH</td>
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<td>0.53</td>
<td>FO32/XP</td>
<td>3000</td>
<td>4</td>
<td>1.15</td>
<td>13800</td>
<td>148</td>
<td>93</td>
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</tbody>
</table>

*New product - check with OSRAM SYLVANIA for availability.*

**Available in 840 PC Pallet Pack**  
**Available in 500 PC Pallet Pack**

**49226 QT 2x32/347 PLUS*** will be discontinued and replaced by 49927 QT 2x32T8/347 ISH-SC.

**Specifications subject to change without notice.**

**QUICKTRONIC 2x32 ISH**

**QUICKTRONIC 3x32 PLUS (ISH)**

**QUICKTRONIC 4x32 ISH**

**QUICKTRONIC 2x32/347 PLUS** will be discontinued and replaced by **49927 QT 2x32T8/347 ISH-SC.**

**Data based on FO32/XP lamp. See the SYLVANIA QUICKTRONIC Electronic Ballast Technology and Specification Guide (ECS-ELECTRONIC) for other system combinations.**

**Operation below 50°F may affect light output or lamp operation – see “Low Temp. Starting” definition.**

**UL Listed Class P, Type 1, Outdoor CSA Certified**

**70°C Max Case Temperature**

**FCC 47CFR Part 18 Non-Consumer Class A Sound Rating**

**ANSI C62.41 Cat. A Transient Protection**

**Remote Mounting up to 18 feet**

**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.**