### Lamp/Ballast Guide

<table>
<thead>
<tr>
<th>System Type</th>
<th>Input Power (W)</th>
<th>Initial System Efficacy (LPW)</th>
<th>Mean System Lumens</th>
<th>Relative Mean Light Output</th>
<th>Energy Savings</th>
<th>Lamp Life (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnetic Ballast 2-F96T12</td>
<td>160</td>
<td>11,345</td>
<td>71</td>
<td>9985</td>
<td>100%</td>
<td>0% Baseline</td>
</tr>
<tr>
<td>Magnetic Ballast 2-F96T12/SS</td>
<td>125</td>
<td>9,330</td>
<td>75</td>
<td>8210</td>
<td>82%</td>
<td>22% 100%</td>
</tr>
<tr>
<td>QTP2x59-ISN 2-FO96T8/XP (59W)</td>
<td>112</td>
<td>10,735</td>
<td>96</td>
<td>10,090</td>
<td>101%</td>
<td>30% 150%</td>
</tr>
<tr>
<td>QTP2x59-ISN 2-FO96T8/XP/SS (55W)</td>
<td>104</td>
<td>10,030</td>
<td>96</td>
<td>9,430</td>
<td>94%</td>
<td>35% 150%</td>
</tr>
</tbody>
</table>

### Key System Features
- Over 30% Energy savings
- Provides 50% longer lamp life than standard magnetic T12 slimline lamps
- 86% Ballast factor
- Min. Starting Temp: 0°F (-18°C) for T8 lamps 60°F (16°C) for Energy Saving T8 lamps
- Universal voltage (120-277V)
- <10% THD
- Virtually eliminates lamp flicker

### System Information
SYLVANIA QUICKTRONIC SYSTEM 59 ISN UNV electronic T8 ballasts offer several advantages:
1. Operate OCTRON T8 lamps with maximum efficacy and high lumen output
   - Over 30% energy savings when compared to F96T12 magnetically ballasted systems
2. Longer Lamp Life: provides 50% longer lamp life compared to standard magnetic T12 slimline systems
3. Parallel Circuitry: keeps remaining lamp lit if one goes out
4. Small Can Enclosure for:
   - low profile fixture design
   - transportation, inventory and ergonomic benefits
5. New Banded Packaging:
   - Distributor-friendly for easy stocking and individual ballast sales
   - Reduced waste
   - Easy removable bands
   - No tangled wires

### Application Information
SYLVANIA QUICKTRONIC 59 ISN is ideally suited for:
- Commercial
- Retail
- New construction
- Industrial
- Schools
- Retrofit
## Specifications

### Electronic T8 8-foot Fluorescent Systems Universal Voltage (120-277V)

<table>
<thead>
<tr>
<th>Item Number</th>
<th>OSRAM SYLVANIA Description</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 Life (LM)</th>
<th>Mean Luminous Efficacy (lm/W)</th>
<th>Input Power (W)</th>
<th>System Efficiency (lm/W)</th>
<th>BEF1</th>
</tr>
</thead>
<tbody>
<tr>
<td>49590</td>
<td>QTP 2x59T8/UNV ISN-SC</td>
<td>0.93/0.40</td>
<td>FO96T8/700 (59W)</td>
<td>5700</td>
<td>2</td>
<td>0.88</td>
<td>10,030</td>
<td>9205</td>
<td>90/91</td>
<td>88/95</td>
<td>0.80</td>
</tr>
<tr>
<td>49598</td>
<td>Banded Pack</td>
<td>0.93/0.40</td>
<td>FO96T8/XP (59W)</td>
<td>6100</td>
<td>2</td>
<td>0.88</td>
<td>10,735</td>
<td>9430</td>
<td>96/98</td>
<td>88/95</td>
<td>0.86</td>
</tr>
<tr>
<td>49599</td>
<td>10-Pack</td>
<td>0.85/0.36</td>
<td>FO96T8/XP/SS (55W)</td>
<td>5700</td>
<td>2</td>
<td>0.88</td>
<td>10,030</td>
<td>9430</td>
<td>96/98</td>
<td>90/91</td>
<td>0.80</td>
</tr>
<tr>
<td>49599</td>
<td>Palette Pack</td>
<td>0.70/0.31</td>
<td>FO92T8/XP</td>
<td>4650</td>
<td>2</td>
<td>0.89</td>
<td>8275</td>
<td>7780</td>
<td>96/97</td>
<td>90/91</td>
<td>1.05</td>
</tr>
<tr>
<td>49599</td>
<td>Palette Pack</td>
<td>0.47/0.21</td>
<td>FO96T8/XP</td>
<td>2850</td>
<td>2</td>
<td>0.89</td>
<td>5075</td>
<td>4770</td>
<td>58</td>
<td>88/95</td>
<td>1.53</td>
</tr>
<tr>
<td>49599</td>
<td>Banded Pack</td>
<td>0.56/0.25</td>
<td>FO96T8/XP</td>
<td>6100</td>
<td>1</td>
<td>1.02</td>
<td>6220</td>
<td>5850</td>
<td>67</td>
<td>93/102</td>
<td>1.52</td>
</tr>
<tr>
<td>49599</td>
<td>Banded Pack</td>
<td>0.51/0.22</td>
<td>FO96T8/XP/SS (55W)</td>
<td>5700</td>
<td>1</td>
<td>1.02</td>
<td>5815</td>
<td>5465</td>
<td>62</td>
<td>94/105</td>
<td>1.65</td>
</tr>
<tr>
<td>49599</td>
<td>Palette Pack</td>
<td>0.43/0.20</td>
<td>FO72T8/XP</td>
<td>4650</td>
<td>1</td>
<td>1.02</td>
<td>4745</td>
<td>4460</td>
<td>51</td>
<td>93/102</td>
<td>2.00</td>
</tr>
<tr>
<td>49599</td>
<td>Palette Pack</td>
<td>0.30/0.14</td>
<td>FO96T8/XP</td>
<td>2850</td>
<td>1</td>
<td>1.03</td>
<td>2935</td>
<td>2760</td>
<td>36</td>
<td>82/96</td>
<td>2.36</td>
</tr>
</tbody>
</table>

Banded Pack, (add “-B” to Description). Banded Pack and 10-Pack contain 10 pieces each. Palette Pack contains 940 pieces, (add “-PAL” to Description).

1: Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power (Note: calculation based on lowest wattage value).

### Dimensions “SC” Small Enclosure:
- Overall: 9.5” L x 1.68” W x 1.18” H
- Mounting: 8.90”

### Product Weight:
1.6 lbs ea. (approx.)

### Wiring:
- Leads only, no connectors provided

### Starting Method:
- Instant Start

### Ballast Factor:
- 0.88

### Circuit Type:
- Parallel

### Lamp Frequency:
- >40kHz

### Lamp CCF:
- Less than 1.7

### Starting Temp:
- 0°F (-18°C) for OCTRON® 96T8 lamps
- 60°F (16°C) for SUPERSAVER® lamps

### Input Frequency:
- 50/60Hz

### Low THD:
- <10%

### Power Factor:
- >98%

### Voltage Range:
- ±10% of 120-277V rated line (108-305V)

### 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
- GFCI compatible
- Emergency ballast compatible
- Remote Mounting (Max. wire length from ballast case to lampholder):
  - 20 ft: full wattage T8s
  - 10 ft: energy saving T8s

2 Operation below 50ºF (10°C) may affect light output or lamp operation – see “Low Temp. Starting” definition.

### Specifications Data based on FO96T8 lamps shown. QUICKTRONIC® 59 ISN-SC is also compatible with other lamp manufacturers equivalent lamp types that meet ANSI specifications.

### Complete performance data is available in the QUICKSYSTEMS section of the SYLVANIA Electronic Ballast Catalog.

### Emergency Ballast Compatibility
- Quickstart
- Instant start
- T8 8-foot
- Universal voltage
- 120-277V

### 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.

### OSRAM SYLVANIA
- National Customer Service and Sales Center
- 1-800-LIGHTBULB
- (1-800-544-4828)
- www.sylvania.com