SYLVANIA QUICKTRONIC PROStart T5 ballasts operate PENTRON T5 lamps with full lumen output and optimal system performance.

QUICKTRONIC PROStart T5 ballasts contain QUICKSENSE ballast technology, a patented circuitry designed to shut down the system reliably and safely when lamps reach end-of-life.

QUICKTRONIC PROStart T5 UNV Systems are available as a two lamp model which can be wired for one lamp operation to cover a wide range of applications.

Setting the standard for quality, QUICKTRONIC PROStart T5 UNV systems are covered by our QUICK 60+® warranty, the first and most comprehensive system warranty in the industry. These ballasts are also RoHS compliant and feature lead-free solder and manufacturing process.

QUICKTRONIC PROStart T5 Universal Voltage Systems are in a 0.87”H x 1.18”W profile, and PENTRON lamps are designed to provide peak performance at 35°C fixture ambient, allowing for smaller and more innovative fixtures.

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

Lamp / Ballast Guide

28W T5 - PENTRON® lamps
1-lamp QTP1x28T5/UNV PSN or QTPx28T5/UNV PSN*
2-lamp QTPx28T5/UNV PSN

Primary Lamp Type: FP28
Also operates: FP14, FP21, FP35

*Two lamp model can be wired for one lamp operation.

Key System Features

- Universal voltage (120-277V)
- Low-profile (0.87” High)
- QUICKSENSE® ballast technology (end-of-lamp-life sensing)
- PROStart programmed rapid start
- UL type CC rated
- 0°F (-18°C) Starting
- Operates at >40 kHz to reduce potential interference with infrared control systems
- High power factor
- Low harmonic distortion
- Lightweight
- UL, CSA, FCC
- RoHS compliant
- Lead-free solder and manufacturing process

System Information

QUICKTRONIC PROStart T5 UNV Systems operate from 120V through 277V, 50 or 60Hz, eliminating “wrong voltage” wiring errors and reducing the number of models in inventory by half.

PROStart ballasts provide optimum starting conditions to provide up to 100,000 switching cycles for use on occupancy sensors and building control systems.

QUICKSENSE ballast technology helps to protect against overheated bases and sockets, as well as cracking of the glass wall, and uses dynamic end-of-lamp-life sensing to avoid false shutdowns caused by some static sensing methods. QUICKSENSE ballast technology will auto reset when the end-of-life lamps are replaced with new ones.

The two lamp unit can be wired for one lamp operation, allowing for an additional 50% reduction in inventory model numbers.

Application Information

SYLVANIA QUICKTRONIC PROStart T5 ballasts are ideally suited for:

- Commercial
- Retail
- Hospitality
- Institutional
- New construction
- Direct lighting
- Indirect lighting
- Surface mount
- Cove lighting

System Type | Input Power (W) | Initial System Lumens | System Efficacy LPW
---|---|---|---
F40T12 - Standard Magnetic | 96 | 5795 | 60
Energy Saver Magnetic | 86 | 5795 | 67
F34T12 - Energy Saver Magnetic | 72 | 4750 | 66
QT2x32IS - F032/800 | 59 | 5310 | 90
QTPx28T5/UNV PSN - FP28/800 | 65/63 | 5800 | 89/92

QUICKTRONIC PROStart T5 UNV Systems are in a 0.87”H x 1.18”W profile, and PENTRON lamps are designed to provide peak performance at 35°C fixture ambient, allowing for smaller and more innovative fixtures.

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## SPECIFICATION DATA

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Date</th>
<th>Type</th>
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<tr>
<td>Project Prepare by</td>
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### Type CC & Universal Voltage (120-277V)

<table>
<thead>
<tr>
<th>Item Number</th>
<th>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 Lumens</th>
<th>Mean Lumens</th>
<th>Input Power (Watts)</th>
<th>System Efficacy (lm/W)</th>
<th>BEF²</th>
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<tbody>
<tr>
<td>49181</td>
<td>QTP 2x28T5/UNV PSN</td>
<td>0.55/0.23</td>
<td>FP28T5</td>
<td>2900</td>
<td>2</td>
<td>1.00</td>
<td>5800</td>
<td>2900</td>
<td>2695</td>
<td>90</td>
<td>1.59</td>
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<td>49171 (49170*)</td>
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<td>0.28/0.12</td>
<td>FP28T5</td>
<td>2900</td>
<td>1</td>
<td>1.00</td>
<td>2900</td>
<td>2695</td>
<td>32</td>
<td>90</td>
<td>3.13</td>
</tr>
</tbody>
</table>

1: At 35°C lamp ambient temperature.
2: Ballast Efficiency Factor (BEF) shown = (Ballast Factor x 100) divided by Input Power (Note: calculation based on lowest wattage value).
3: *Item Number = Item Number/NAED in parentheses are models with leads/wires. Ballast with leads/wires contains 10 pieces each. Ballast without leads contain 20 pieces each.

### Starting Method:
- Programmed Start
- Rapid Start

### Ballast Factor:
- 1.00

### Circuit Type:
- Series

### Lamp Frequency:
- >40 kHz

### Lamp CCF:
- Less than 1.6

### Starting Temp:
- 0°F (-18°C) min.

### Input Frequency:
- 50/60 Hz

### Low THD:
- <10%

### Power Factor:
- >98%

### Voltage Range:
- ±10% of Rated Input

### UL Listed:
- Class P, Type 1, Outdoor
- UL Rated Type CC

### CSA Certified

### 70°C Max Case Temperature

### FCC 47CFR Part 18 Non-Consumer

### Class A Sound Rating

### RoHS Compliant

### 502.41 Cat.

### ANSI C62.41 Transient Protection

### Dynamic End-of-Lamp-Life Sensing

### Remote Mounting (Max. wire length from ballast case to lampholder): up to 18 feet

### Normal Ballast Factor
- T5
- PROStart® UNV

### System Life / Warranty

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

### Dimensions:

1 & 2 lamp model enclosure size:
- Overall: 14.17”L x 1.18”W x 0.87”H (360mm L x 30mm W x 22mm H)
- Mounting: 13.74” (349mm)

### Wiring:
- Push-in connectors
- Use 18AWG solid copper wire only

### Product Weight:
- 1L: 0.68 lbs (0.31kg) each (approx)
- 2L: 0.88 lbs (0.40kg) each (approx)

### Specifications

**QUICKTRONIC® PROFESSIONAL**
- Number of Lamps (1, 2)