

<10% THD Electronic T5 Fluorescent PENTRON PREMIER™ Systems  
**QUICKTRONIC PREMIER™ PROStart® T5 UNIVERSAL & 347V BALLAST**  
 Professional and QUICKSTEP® Series **PENTRON PREMIER ECOLOGIC® Lamps**

**Lamp/Ballast Guide**

28W T5 - PENTRON®  
 2-lamp QTP2x28T5/UNVPS115SC  
 QTP2x28T5/UNVPS95SC  
 QS2x28T5/UNVPS115SC  
 QS2x28T5/UNVPS95SC

347V QS2x28T5/347PS95SC

Also operates:  
 FP14 and FP21T5 lamps

**Key System Features**

- High system efficiency
- **First T5 system to achieve up to 100 LPW (lm/w)**
- Universal voltage (120-277) & 347V
- QUICKSTEP Stepped Switching bi-level light output
- QUICKSENSE® ballast technology (end-of-lamp-life sensing)
- PROStart programmed start
- Suitable for use with occupancy sensors
- Operates at >40 KHz to reduce potential interference with infrared control systems
- High power factor (>98%)
- <10% THD total harmonic distortion at full power
- UL, CSA, FCC
- Small Can Enclosure

**Application Information**

- QUICKTRONIC PREMIER T5** is ideally suited for:
- Office
  - Schools
  - Commercial
  - Retail
  - Hospitality
  - Institutional
  - New Construction
  - Renovations

**QUICKTRONIC PREMIER T5** ballasts operate the new PENTRON PREMIER T5 ECOLOGIC lamps at various lumen outputs to offer a range of high efficiency T5 lighting systems. The system includes the new line of QUICKSTEP stepped switching ballasts. QUICKSTEP ballasts are specially designed to meet California Energy Commission's Title 24 requirements for multi-level lighting controls (Section 131). The combined lamp and ballast system offers a high efficiency system for T5 fixtures along with the high performance features that are standard on the Professional Series of ballasts.

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

**System Information**

QUICKTRONIC PREMIER 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. A 347V model is also available.

PROStart ballasts deliver 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.



Setting the standard for quality, PENTRON PREMIER Systems are also covered by our QUICK 60+® warranty, the first and most comprehensive system warranty in the industry.

QUICKTRONIC PREMIER T5 is available in two-lamp models with two ballast factors to cover a wide range of applications.

System Comparisons	Input Wattage	Initial Lumens	System LPW
QTP2x28T5/UNV PS95SC - FP28T5PM/ECO (2 lamp)	60/58	5795	97/100
QTP2x28T5/UNV PS115SC - FP28T5PM/ECO (2 lamp)	73/71	7015	96/99
F34T12 - Energy Saver Magnetic (2 lamp)	72	4660	65
F32T8- 3 lamp Instant Start Electronic	88	7525	86

The QUICKSTEP system has two AC line inputs in addition to the neutral wire. These AC line inputs must be connected to the same phase of the line voltage. The two line inputs can be configured to provide a bi-level light output system by wiring the system with two switches. Each switch provides 50% power to the ballast. When both switches are on, the lamps operate at full light output.

When either switch is off, the lamps operate in a dimmed mode and the ballast draws 50% of the full light power.

Alternatively, QUICKSTEP ballasts can be controlled by occupancy sensors allowing for customized zone controls and various energy saving configurations.

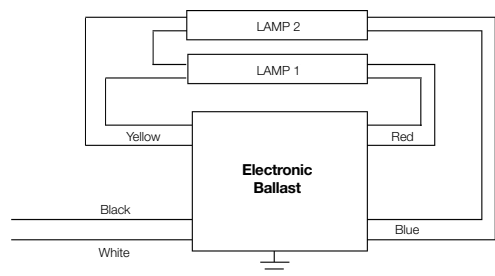
<10% THD Electronic T5 High Efficiency PENTRON PREMIER™ Fluorescent Systems

NAED Number	Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp <sup>1</sup> Type	Rated <sup>2,3</sup> Lumens (lm)	No. of Lamps	Ballast <sup>3</sup> Factor (BF)	System <sup>3</sup> Lumens	Input <sup>3</sup> Power (Watts)	System Efficacy (lm/W)
<b>QUICKSTEP Bi-Level 100-50% Power Switchable Models (High Efficiency Systems)</b>										
50056	QS 2x28T5/UNV PS95SC (50% Power Bi-Level Mode)	120-277	0.50/0.22 0.25/0.11	FP28T5PM/ECO	3050	2	0.95 0.35	5795 2135	60/58 28	97/100 76
50057	QS 2x28T5/UNV PS115SC (50% Power Bi-Level Mode)	120-277	0.61/0.26 0.31/0.13	FP28T5PM/ECO	3050	2	1.15 0.48	7015 2930	73/71 35	96/99 84
49438	QS 2x28T5/347V PS95SC (50% Power Bi-Level Mode)	347	0.18 0.09	FP28T5PM/ECO	3050	2	0.95 0.35	5795 2135	60 28	97 76
<b>QTP Fixed Output BF0.95 &amp; BF1.15 (High Efficiency Systems)</b>										
50054	QTP 2x28T5/UNV PS95SC	120-277	0.50/0.22	FP28T5PM/ECO	3050	2	0.95	5795	60/58	97/100
50055	QTP 2x28T5/UNV PS115SC	120-277	0.61/0.26	FP28T5PM/ECO	3050	2	1.15	7015	73/71	96/99

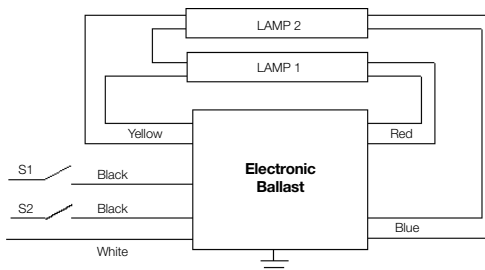
1 Also compatible with equivalent lamp types that meet ANSI standards.  
2 Rated lamp lumens and performance data based on PENTRON PREMIER ECOLOGIC lamps.  
3 At 35°C lamp ambient temperature.

**Installation Notes**

- Install in accordance with National & Local Electric Code
- Ground ballast case
- For QUICKSTEP ballasts, the AC line inputs must be connected to the same phase of the line voltage
- DO NOT CONNECT two separate phases of line voltage to the input of QUICKSTEP ballasts



**2-Lamp QTP**  
Fixed output only



**2-Lamp QS (QUICKSTEP)**  
Full light output (full power) S1 & S2 closed (on)  
Bi-level mode (50% power) S1 or S2 open (off)

**Dimensions:**

**Small Can (SC) enclosure size:**

Overall: 9.5" L x 1.68" W x 1.18" H

Mounting: 8.90"

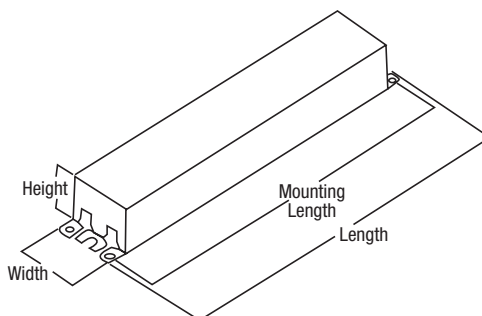
**Wiring:**

Leads only

**Packaging:**

Quantity sold in 10 packs

Weight: 1.6 lbs each (approx)



**EXAMPLES:**

QUICKTRONIC PROFESSIONAL (QTP) or also available in QUICKSTEP (QS) ——— **QS 2 x 28 T5/UNV PS95 SC** ——— Enclosure Type (SC - Small Can)  
Number of Lamps ——— ——— Ballast Factor (95 or 115)  
Primary Lamp Wattage/Type ——— ——— Starting Type - PROStart  
Line Voltage (120-277V) or 347V

**Performance Guide**

Rated lamp lumens and performance data based on PENTRON PREMIER ECOLOGIC® lamps.

Data shown for the new 347V product is preliminary and subject to change.

**Specifications**

**Starting Method:** Programmed Start

**Circuit Type:** Series

**Lamp Frequency:** > 40 KHz

**Lamp CCF:** Less than 1.6

**Starting Temp:** 32°F (0°C) minimum

**Input Frequency:** 50/60 Hz

**Low THD:** < 10% (Full power)

< 20% THD (@50% power)

**Power Factor:** > 98% (Full power)

**Voltage Range:** +/-10% of Rated Input

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

Dynamic End-of-Lamp-Life Sensing

Remote Mounting up to 8 feet for QTP models and 7 feet for QS models.

**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.

Products distributed by LEDVANCE LLC.

For Customer Service contact 1-800-LIGHTBULB