

PENTRON PREMIER™ ECOLOGIC® LAMPS

Ordering Abbreviation	Base	Watts	Initial Lumens @25°C	Initial Lumens @35°C	Bulb	Normal Length (mm)	Avg. Rated Life	Color Temp	CRI
FP28/830/PM/ECO	Min Bi-pin	28	2730	3050	T5	1149	20,000	3000	85
FP28/835/PM/ECO	Min Bi-pin	28	2730	3050	T5	1149	20,000	3500	85
FP28/841/PM/ECO	Min Bi-pin	28	2730	3050	T5	1149	20,000	4100	85

Lamp Ordering Guide

FP	28	8	35	PM	ECO®
Fluorescent	Wattage	CRI	30 = 3000K	PREMIER	ECOLOGIC
PENTRON®	28 watts	8 = 85	35 = 3500K		
T5			41 = 4100K		

PENTRON PREMIER T5 SYSTEMS

QUICKSTEP® Bi-Level 100 – 50% Power Switchable 0.95 Ballast Factor (High Efficiency Systems)									
Description	Input Voltage (VAC)	Power Level	Input Current (AMPS)	Lamp Type	No. of Lamps	Ballast Factor (BF)	System Lumens ¹	Input Power (Watts) ¹	System Efficacy (lm/W) ¹
QS 2X28T5/UNV PS95SC	120	100% 50%	0.50 0.25	FP28T5/PM/ECO	2	0.95	5795	60	97
						0.35	2135	28	76
QS 2X28T5/UNV PS95SC	277	100% 50%	0.22 0.11	FP28T5/PM/ECO	2	0.95	5795	58	100
						0.35	2135	28	76
QUICKSTEP Bi-Level 100 – 50% Power Switchable 1.15 Ballast Factor (High Efficiency Systems)									
QS 2X28T5/UNV PS115SC	120	100% 50%	0.61 0.31	FP28T5/PM/ECO	2	1.15	7015	73	96
						0.48	2930	35	84
QS 2X28T5/UNV PS115SC	277	100% 50%	0.26 0.13	FP28T5/PM/ECO	2	1.15	7015	71	99
						0.48	2930	35	84
QUICKTRONIC® Fixed Output BF 0.95 & 1.15 (High Efficiency Systems)									
QTP 2x28T5/UNV PS95SC	120 277		0.50 0.22	FP28T5/PM/ECO	2	0.95	5795	60 58	97 100
QTP 2x28T5/UNV PS115SC	120 277		0.61 0.26	FP28T5/PM/ECO	2	1.15	7015	73 71	96 99

¹ At 35°C lamp ambient temperature

Ballast Ordering Guide

QS	2x	28	T5	UNV	PS	95	SC
QUICKSTEP	Number of Lamps	Primary Lamp Wattage	Bulb Diameter	Line Voltage (120-277V)	Programmed Rapid Start	Ballast Factor (0.95)	Enclosure Type (small can)

OSRAM SYLVANIA publicly promotes recycling as the preferred method of lamp disposal. Furthermore, we encourage end-users and building owners to take advantage of local recycling programs, thereby reducing the burden on the solid waste stream.



QUICK 60+® Limited Warranty
 PENTRON PREMIER ECO lamps are warranted for 24 months and QUICKTRONIC PREMIER ballasts for 60 months. See the QUICK 60+ warranty for more information

Application Notes

PENTRON T5 lamps are about 2" shorter than T8 and T12 bi-pin lamps.

Miniature bi-pin base will not install into T8 and T12 sockets.

Miniature bi-pin base requires UL listed 600 Volt rated sockets.

Requires high-frequency programmed rapid start electronic ballasts equipped with end-of-life sensing circuit.

Apply thermal factor in calculations for exterior or unheated applications.

Specifications

Starting Method: Programmed Rapid Start

Circuit Type: Series

Lamp Frequency: >40KHz

Lamp CCF: Less than 1.6

Starting Temperature: 32°F (0°C) Minimum

Input Frequency: 50/60 Hz

Low THD: <10% (full power)
<20% (50% power)

Power Factor: >98% (full power)

Input Voltage Range: 120-277V+/- 10%

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

For QS models both inputs must be on the same phase

the system solution®

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PENTRON PREMIER™ T5 Fluorescent System

SEE THE WORLD IN A NEW LIGHT

