

PENTRON® SUPERSAVER® ECOLOGIC®

Energy Saving T5 Linear Fluorescent Lamps



OSRAM SYLVANIA expands its portfolio of SUPERSAVER fluorescent lamps with the introduction of new PENTRON SUPERSAVER ECOLOGIC T5 types. The family now includes lamps that offer energy savings potential, while achieving the same long life and lumen output as full wattage lamps they are intended to replace. These lamps serve as replacements for nominal 4, 3 and 2-foot lengths, respectively, and include color temperature options ranging from 3000K to 4100K, all with an excellent color rendering index CRI of 85. SYLVANIA PENTRON SUPERSAVER lamps are available in 26, 19, and 13 watt versions. When paired with QUICKTRONIC® High Efficiency PROStart® T5 ballasts, the systems achieve up to 14% energy savings and are covered by the QUICK 60+® System Warranty. These systems meet today's increasing demands for energy efficiency, high lumen output, long life and improved color. Building upon OSRAM SYLVANIA's commitment to environmental sustainability, the lamps are TCLP-compliant and feature lead-free glass. The ballasts use lead-free solder and are RoHS-compliant.

Key Features & Benefits

- Same lumens as full wattage PENTRON T5, highest lumens in the industry
- 95% mean lumens
- Nominal lengths: 4, 3 and 2-foot
- Lead-free glass
- TCLP and RoHS compliant
- QUICK 60+® system warranty when paired with compatible QUICKTRONIC electronic T5 ballasts

ECOLOGIC® is a comprehensive program of OSRAM SYLVANIA focused on addressing environmental issues at all stages of lamp life.



Product Offering

Description	Wattage	CCT
FP14/13W/800/SS/ECO	13W	3000K, 3500K, 4100K
FP21/19W/800/SS/ECO	19W	3000K, 3500K, 4100K
FP28/26W/800/SS/ECO	26W	3000K, 3500K, 4100K

Application Information

Applications

- Cove
- Direct/indirect luminaires
- Display
- High bay
- Wall wash

Application Notes

1. All PENTRON lamps are about 2" shorter than T8 and T12 bi-pin lamps.
2. Miniature bi-pin bases cannot be installed into T8 and T12 sockets.
3. Miniature bi-pin bases require UL listed 600 volt rated sockets.
4. PENTRON lamps require programmed rapid start electronic ballasts equipped with end-of-lamp life sensing circuit.
5. For list of compatible and non-compatible QUICKTRONIC ballasts, please refer to the latest ballast specifications.
6. Contact ballast manufacturer for compatibility with reduced-wattage lamps.
7. If used on a non-compatible ballast, there is a possibility of short lamp life, no energy savings and/or lamp instability.



Specification Data

Fixture Description:	Type
Project/Job:	
SYLVANIA lamp:	
SYLVANIA ballast:	
Notes:	

Ordering Information

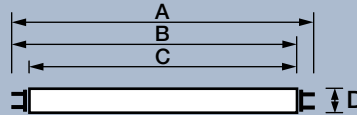
Item Number	Ordering Abbreviation	Watts	Initial Lumens @25°C	Mean Lumens @25°C	Initial Lumens @35°C	Mean Lumens @35°C	Avg. Rated Life (hrs.) 3 hrs/st	Avg. Rated Life (hrs.) 12 hrs/st	CCT	CRI
21303	FP14/13W/830/SS/ECO	13	1200	1140	1350	1285	25,000	30,000	3000K	85
21304	FP14/13W/835/SS/ECO	13	1200	1140	1350	1285	25,000	30,000	3500K	85
21305	FP14/13W/841/SS/ECO	13	1200	1140	1350	1285	25,000	30,000	4100K	85
21306	FP21/19W/830/SS/ECO	19	1900	1805	2100	1995	25,000	30,000	3000K	85
21307	FP21/19W/835/SS/ECO	19	1900	1805	2100	1995	25,000	30,000	3500K	85
21308	FP21/19W/841/SS/ECO	19	1900	1805	2100	1995	25,000	30,000	4100K	85
21309	FP28/26W/830/SS/ECO	26	2600	2470	2900	2755	30,000	36,000	3000K	85
21310	FP28/26W/835/SS/ECO	26	2600	2470	2900	2755	30,000	36,000	3500K	85
21311	FP28/26W/841/SS/ECO	26	2600	2470	2900	2755	30,000	36,000	4100K	85

Ordering Guide

FP	14	/	13W	/	8	30	/	SS	/	ECO
Fluorescent PENTRON®	Full wattage equivalent		Actual Wattage 13, 19 or 26		CRI 85+ CRI	30 = 3000K CCT 35 = 3500K CCT 41 = 4100K CCT		SUPERSAVER		ECOLOGIC

Lamp Dimensions

	(A) Max. Overall Length (in.)	(B) Base Face to Opposite Pin (in.)	(C) Max. Base Face to Base Face (in.)	(D) Max. Outside Diameter (in.)
FP24	22.17"	Min. 21.80" Max. 21.89"	21.61"	0.67"
FP39	33.89"	Min. 33.61" Max. 33.70"	33.43"	0.67"
FP54	45.80"	Min. 45.42" Max. 45.52"	45.24"	0.67"



Related Literature

For optimum system performance and warranty pair with these QUICKTRONIC Ballast Systems

Ballast Technology Applications & Specification Guide (Literature Code: ECS-Electronic2009)

QUICK 60+® System Warranty (Literature Code: ECS140)

Sample Specification

Lamps shall be PENTRON® T5 SUPERSAVER® ECOLOGIC® lamps having miniature bi-pin bases and a minimum of 95% mean lumens. Lamps shall have a correlated color temperature of (3000K, 3500K, 4100K) and a CRI of 85. The PENTRON T5 SUPERSAVER ECO lamps shall be operated on QUICKTRONIC electronic T5 ballasts.

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