

ECOLOGIC® F40 T12 DESIGNER & SUPERSAVER

Fluorescent Lamps



- Designed to pass TCLP test
- All SYLVANIA ECOLOGIC lamps comply with the Energy Policy Act (EPACT)
- Designer 700 & 800 Series utilize rare earth phosphors which provides:
 - Higher initial lumens
 - Better lumen maintenance
 - Improved CRI
- Energy efficient T12 lamps
- Same performance and ballasting requirements as standard T12 lamps

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



SYLVANIA T12 ECOLOGIC® fluorescent lamps are designed to satisfy the Federal Toxic Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states*.

* Regulations may vary, check your local state regulations.

Product Availability

Lamp Type	Rated Lumens	Lamp Type	Rated Lumens
F40WW/SS/ECO	2750	F40/D835/SS/ECO	2900
F40/D30/ECO	3200	F40/D41/ECO	3200
F40/D30/SS/ECO	2800	F40/D41/SS/ECO	2800
F40/D830/ECO	3300	F40/D841/ECO	3300
F40/D830/SS/ECO	2900	F40/D841/SS/ECO	2900
F40/D35/ECO	3200	F40LW/SS/ECO	2825
F40/D35/SS/ECO	2800	F40CW/SS/ECO	2700
F40/D835/ECO	3300		

Two Lamp Comparison

Lamp Type	Lamp Lumens	Ballast Factor	System Wattage	System Lumens	Lumen Maint.	Mean System Lumens	LPW	% Lumens	% Energy Savings
F40/D41/ECO	3200	0.95	86	6080	0.88	5350	62	100%	0%
F40/CW/SS/ECO	2700	0.88	72	4750	0.85	4040	56	76%	16%
F40/D41/SS/ECO	2800	0.88	72	4930	0.88	4340	60	81%	16%
F40/D841/ECO	3300	0.95	86	6270	0.91	5710	66	107%	0%
F40/D841/SS/ECO	2900	0.88	72	5100	0.91	4640	65	87%	16%

Application Information

Applications	Application Notes
Office	1. SuperSaver lamps should not be operated under the following conditions: • Do not operate below 60°F or in drafty locations • Do not operate on low power factor ballasts unless so labelled • Do not operate on dimming ballast 2. For cold temperature applications, use full wattage lamps in enclosed fixtures or use tube guards to maximize lamp performance.
Schools	
Retail	
General lighting	

SYLVANIA

Sample Specification

Lamps shall be SYLVANIA ECOLOGIC having medium bi-pin bases. Lamp shall be designed to pass the Federal TCLP test in force at the time of manufacture. Lamps shall have a correlated color temperature of (3000K, 3500K, 4100K, 4150K or 4200K) and a CRI of (48, 52, 62, 70 or 80).

Ordering and Specification Information

ECOLOGIC FLUORESCENT LAMPS — F40T12, RAPID START, (MEDIUM BI-PIN BASE, 48" NOMINAL LENGTH)

Item Number	Ordering Abbreviation	Description	Nominal Wattage (in)	Average Rated Life (Hours)*	Initial Lumens	Mean Lumens	Color Temp.	CRI
24538	F40WW/SS/ECO	Warm White <i>SuperSaver</i>	34	20,000	2750	2340	3000K	52
24521	F40/D30/ECO	Designer 700	40	20,000	3200	2820	3000K	70
24535	F40/D30/SS/ECO	Designer 700 <i>SuperSaver</i>	34	20,000	2800	2460	3000K	70
24543	F40/D830/ECO	Designer 800	40	20,000	3300	3000	3000K	80
24544	F40/D830/SS/ECO	Designer 800 <i>SuperSaver</i>	34	20,000	2900	2640	3000K	80
24537	F40/D35/ECO	Designer 700	40	20,000	3200	2820	3500K	70
24540	F40/D35/SS/ECO	Designer 700 <i>SuperSaver</i>	34	20,000	2800	2460	3500K	70
24546	F40/D835/ECO	Designer 800	40	20,000	3300	3000	3500K	80
24547	F40/D835/SS/ECO	Designer 800 <i>SuperSaver</i>	34	20,000	2900	2640	3500K	80
24541	F40/D41/ECO	Designer 700	40	20,000	3200	2820	4100K	70
24542	F40/D41/SS/ECO	Designer 700 <i>SuperSaver</i>	34	20,000	2800	2460	4100K	70
24553	F40/D841/ECO	Designer 800	40	20,000	3300	3000	4100K	80
24554	F40/D841/SS/ECO	Designer 800 <i>SuperSaver</i>	34	20,000	2900	2640	4100K	80
24566	F40LW/SS/ECO	Lite White <i>SuperSaver</i>	34	20,000	2825	2400	4150K	48
24596	F40CW/SS/ECO	Cool White <i>SuperSaver</i>	34	20,000	2700	2295	4200K	62

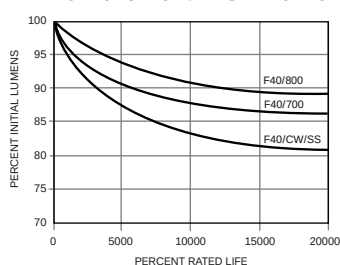
* Based on 3 hours per start on magnetic Rapid Start ballast.

Ordering Guide

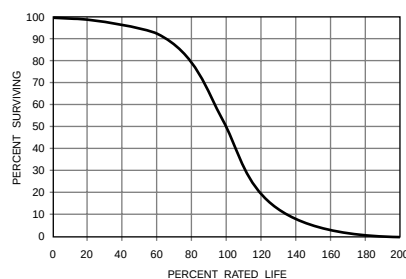
F	/	40	/	D35	/	SS	/	ECO
Fluorescent		40=Watts		D=Designer Series 70 CRI 30=3000K 35=3500K 41=4100K		SS=SuperSaver 34 Watts		Ecologic

Technical Information

**Fluorescent Lamp Maintenance
F40 Rare Earth vs. F40 Halo**



Typical Fluorescent Lamp Mortality*



* Source: IES Lighting Book

OSRAM SYLVANIA
National Customer
Support Center
18725 N. Union Street
Westfield, IN 46074

Industrial & Commercial

Phone: 1-800-255-5042
Fax: 1-800-255-5043

National Accounts

Phone: 1-800-562-4671
Fax: 1-800-562-4674

Special Markets

Phone: 1-800-762-7191
Fax: 1-800-762-7192

In Canada
OSRAM SYLVANIA LTD.
Headquarters
2001 Drew Road
Mississauga, ON L5S 1S4

Industrial & Commercial

Phone: 1-800-263-2852
Fax: 1-800-667-6772

Special Markets

Phone: 1-800-265-2852
Fax: 1-800-667-6772

