

SAFELINE®

Shatter-Resistant Coated Fluorescent Lamps



SYLVANIA SAFELINE fluorescent lamps have a shatter-resistant coating to help contain glass and other lamp components should the lamps be accidentally broken. The coating helps prevent glass and other lamp components from contaminating product and is easily cleaned with standard cleaning products. Applications for SAFELINE fluorescent lamps include food processing, preparation and serving areas, hospitals, gymnasiums, elevators, manufacturing plants and other applications where it may be desirable to use coated lamps.

The coating material used on SYLVANIA SAFELINE fluorescent lamps has been found to meet UL 471 for impact and UL 94HB for flammability.

Key Features & Benefits

- SAFELINE – shatter-resistant coated lamps:
 - Help contain glass and other lamp components in case of breakage
 - UL EPH certified (File SA12675)
 - UL recognized safety coating (File SA10645)
- Meet FDA Food Code (Chapter 6, Section 202.11)
- Meet FDA Plant Construction and Design (110.20 Section B, Part 5)

Product Offering

OCTRON® ECOLOGIC®
 OCTRON® XP®, XPS, XP/SUPERSAVER® ECOLOGIC
 OCTRON® 8-foot High Output ECOLOGIC
 OCTRON® CURVALUME®
 T8 PREHEAT
 PENTRON®
 PENTRON High Output
 T12
 T12 SUPERSAVER

Application Information

Applications where coated lamps are used:

- Bakeries
- Cafeterias
- Dairies
- Elevators
- Food processing plants
- Grocery stores
- Gymnasiums
- Hospitals
- Manufacturing plants
- Restaurants
- Schools

Application Notes

1. Lamp starting down to 0°F possible (ballast dependent). Operation below 50°F may affect lumen output or lamp operation. Minimum starting temperature for F34/SS and F96/SS is 60°F.
2. Average rated lamp life and rated lumens based on operation on ANSI reference ballasts.
3. T8 and T12 coating withstands constant operating temperatures up to 275°F and has a melting point in excess of 500°F.
4. T5 coating withstands constant operating temperatures up to 500°F and has a melting point in excess of 620°F.
5. Lamps must be used in ambient temperatures below 135°F.
6. For use in open fixtures.
7. Lamps satisfy the criteria of having a non-shattering covering for prevention of glass and other lamp components in your product by containing them within the safety coating material. The covering must remain intact or the lamp must be replaced to be in compliance. An onsite inspector will require correction if the lamps are not installed or maintained properly.
8. Lamps must not be used with defective ballasts, sockets or improperly wired fixtures.
9. Lamps must be used with sockets that provide adequate lamp pin to socket contact.
10. Intended for indoor use only.



Specification Data

Fixture Description:

Project/Job:

SYLVANIA lamp:

SYLVANIA ballast:

Notes:

Type

Ordering Information

Item Number	Ordering Abbreviation	Watts	Bulb	Base	Nominal Length	Rated Life		Programmed Rapid Start		Initial Lumens	Mean Lumens	CCT	CRI
						Instant Start 3 hrs/ start	12 hrs/ start	3 hrs/ start	12 hrs/ start				
OCTRON® and OCTRON CURVALUME®													
21556*	F017/730/ECO/SL	17	T8	Medium Bi-Pin	24"	24,000	28,000	30,000	35,000	1274	1147	3000K	78
21557*	F017/735/ECO/SL	17	T8	Medium Bi-Pin	24"	24,000	28,000	30,000	35,000	1274	1147	3500K	78
22374*	F017/830/ECO/SL	17	T8	Medium Bi-Pin	24"	24,000	30,000	30,000	36,000	1323	1215	3000K	82
22375*	F017/835/ECO/SL	17	T8	Medium Bi-Pin	24"	24,000	30,000	30,000	36,000	1323	1215	3500K	82
22271	F017/835/XP/EC03/SL	17	T8	Medium Bi-Pin	24"	24,000	40,000	40,000	42,000	1350	1283	3500K	85
22376*	F017/841/ECO/SL	17	T8	Medium Bi-Pin	24"	24,000	30,000	30,000	36,000	1323	1215	4100K	82
22272*	F017/841/XP/EC03/SL	17	T8	Medium Bi-Pin	24"	24,000	40,000	40,000	42,000	1350	1283	4100K	85
21562*	F025/730/ECO/SL	25	T8	Medium Bi-Pin	36"	24,000	28,000	30,000	35,000	1911	1720	3000K	75
21565*	F025/735/ECO/SL	25	T8	Medium Bi-Pin	36"	24,000	28,000	30,000	35,000	1911	1720	3500K	75
21566*	F025/741/ECO/SL	25	T8	Medium Bi-Pin	36"	24,000	28,000	30,000	35,000	1911	1720	4100K	75
22377*	F025/830/ECO/SL	25	T8	Medium Bi-Pin	36"	24,000	30,000	30,000	36,000	2107	1936	3000K	82
22378	F025/830/XP/EC03/SL	25	T8	Medium Bi-Pin	36"	24,000	40,000	40,000	42,000	2107	1936	3000K	82
22379*	F025/835/ECO/SL	25	T8	Medium Bi-Pin	36"	24,000	30,000	30,000	36,000	2107	1936	3500K	82
22273	F025/835/XP/EC03/SL	25	T8	Medium Bi-Pin	36"	24,000	40,000	40,000	42,000	2130	2024	3500K	85
22380*	F025/841/ECO/SL	25	T8	Medium Bi-Pin	36"	24,000	30,000	30,000	36,000	2107	1936	4100K	82
22274*	F025/841/XP/EC03/SL	25	T8	Medium Bi-Pin	36"	24,000	40,000	40,000	42,000	2130	2024	4100K	85
22270*	F028/830/XP/SS/EC03/SL	28	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2670	2537	3000K	85
22279	F028/835/XP/SS/EC03/SL	28	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2670	2537	3500K	85
21948	F028/841/XP/SS/EC03/SL	28	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2670	2537	4100K	85
22280*	F028/850/XP/SS/EC03/SL	28	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2550	2423	5000K	85
22391*	F032/25W/835/XP/SS/EC03/SL	25	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2426	2303	3500K	85
22392*	F032/25W/841/XP/SS/EC03/SL	25	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2426	2303	4100K	85
22393*	F032/25W/850/XP/SS/EC03/SL	25	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2352	2234	5000K	80
22275	F032/730/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	28,000	30,000	35,000	2750	2475	3000K	78
21678	F032/735/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	28,000	30,000	35,000	2716	2444	3500K	78
22381*	F032/735/XP/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	36,000	40,000	42,000	2793	2651	3500K	78
22382*	F032/741/XP/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	36,000	40,000	42,000	2793	2651	4100K	78
21547	F032/741/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	28,000	30,000	35,000	2716	2444	4100K	78
22268*	F032/750/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	28,000	30,000	35,000	2600	2470	5000K	78
22383*	F032/830/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	30,000	30,000	36,000	2891	2746	3000K	85
22384*	F032/830/XPS/EC03/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	3038	2886	3000K	85
22276*	F032/830/XP/EC03/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2940	2793	3000K	85
22385*	F032/835/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	30,000	30,000	36,000	2891	2746	3500K	85
22277*	F032/835/XP/EC03/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2940	2793	3500K	85
22298*	F032/835/XPS/EC03/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2940	2793	3500K	85
22386*	F032/841/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	30,000	30,000	36,000	2891	2746	4100K	85
22387	F032/841/XPS/EC03/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	3038	2886	4100K	85
22278	F032/841/XP/EC03/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2940	2793	4100K	85
22388*	F032/850/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	30,000	30,000	36,000	2744	2607	5000K	80
22389	F032/850/XPS/EC03/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	3038	2886	5000K	81
22142	F032/850/XP/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2940	2793	5000K	85
22390*	F032/865/XP/EC03/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2793	2654	6500K	85
22398*	F040/735/ECO/SL	40	T8	Medium Bi-Pin	60"	24,000	28,000	30,000	35,000	3430	3087	3500K	75
22399*	F040/741/ECO/SL	40	T8	Medium Bi-Pin	60"	24,000	28,000	30,000	35,000	3430	3087	4100K	75
22269*	F040/830/XP/EC03/SL	40	T8	Medium Bi-Pin	60"	24,000	40,000	40,000	42,000	3675	3491	3000K	85
22281	F040/835/XP/EC03/SL	40	T8	Medium Bi-Pin	60"	24,000	40,000	40,000	42,000	3675	3491	3500K	85
21504*	F096/735/ECO/SL	59	T8	Single Pin	96"	24,000	28,000			5586	5027	3500K	75
21506*	F096/741/ECO/SL	59	T8	Single Pin	96"	24,000	28,000			5586	5027	4100K	75
21508*	F096/835/ECO/SL	59	T8	Single Pin	96"	24,000	30,000			5782	5319	3500K	82
21509	F096/841/ECO/SL	59	T8	Single Pin	96"	24,000	30,000			5782	5319	4100K	82

*NAED will be discontinued as of 10/1/12 or before, depending on availability.

Ordering Information

						Rated Life Rapid Start 3 hrs/ start					
Item Number	Ordering Abbreviation	Watts	Bulb	Base	Nominal Length		Initial Lumens	Mean Lumens	CCT	CRI	
OCTRON® 8-foot High output											
21505*	F096/735/H0/ECO/SL	86	T8	Single Pin	96"	18,000	7840	7370	3500K	78	
21507*	F096/741/H0/ECO/SL	86	T8	Single Pin	96"	18,000	7840	7370	4100K	78	
						Rated Life Preheat 3 hrs/ start					
Item Number	Ordering Abbreviation	Watts	Bulb	Base	Nominal Length		Initial Lumens	Mean Lumens	CCT	CRI	
T8 PREHEAT											
22412*	F15T8/CW/SL	15	T8	Medium Bi-Pin	18"	7500	809	704	4200K	60	
22413*	F15T8/D/SL	15	T8	Medium Bi-Pin	18"	7500	686	640	6500K	76	
22414*	F18T8CW/K24/SL	18	T8	Medium Bi-Pin	24"	7500	1166	1014	4200K	60	
22415*	F18T8CW/K26/SL	18	T8	Medium Bi-Pin	26"	7500	1254	1057	4200K	60	
22416*	F30T8/CW/SL	30	T8	Medium Bi-Pin	36"	7500	2136	1859	4200K	60	
22417*	F30T8/D/SL	30	T8	Medium Bi-Pin	36"	7500	1813	1620	6500K	76	
						Rated Life Programmed Rapid Start 3 hrs/ start	12 hrs/ start				
Item Number	Ordering Abbreviation	Watts	Bulb	Base	Nominal Length		Initial Lumens	Mean Lumens	CCT	CRI	
PENTRON®											
21050*	FP14/830/ECO/SL	14	T5	Miniature Bi-Pin	24"	20,000	1180	1097	3000K	85	
21026	FP14/835/ECO/SL	14	T5	Miniature Bi-Pin	24"	20,000	1180	1097	3500K	85	
21025*	FP21/830/ECO/SL	21	T5	Miniature Bi-Pin	36"	20,000	1860	1730	3000K	85	
21027	FP21/835/ECO/SL	21	T5	Miniature Bi-Pin	36"	20,000	1860	1730	3500K	85	
21024*	FP21/841/ECO/SL	21	T5	Miniature Bi-Pin	48"	20,000	1860	1730	4100K	85	
21028*	FP28/830/ECO/SL	28	T5	Miniature Bi-Pin	48"	25,000	2550	2372	3000K	85	
21034	FP28/835/ECO/SL	28	T5	Miniature Bi-Pin	48"	25,000	2550	2372	3500K	85	
21045*	FP28/841/ECO/SL	28	T5	Miniature Bi-Pin	48"	25,000	2550	2372	4100K	85	
20049*	FP54/50W/830/H0/SS/ECO/SL	50	T5	Miniature Bi-Pin	48"	30,000	40,000	4850	4510	3000K	85
20050*	FP54/50W/835/H0/SS/ECO/SL	50	T5	Miniature Bi-Pin	48"	30,000	40,000	4850	4510	3500K	85
20051	FP54/50W/841/H0/SS/ECO/SL	50	T5	Miniature Bi-Pin	48"	30,000	40,000	4850	4510	4100K	85
20052	FP54/50W/850/H0/SS/ECO/SL	50	T5	Miniature Bi-Pin	48"	30,000	40,000	4753	4420	5000K	85
21020	FP54/835/H0/ECO/SL	54	T5	Miniature Bi-Pin	48"	30,000	40,000	4850	4510	3500K	85
21021	FP54/841/H0/ECO/SL	54	T5	Miniature Bi-Pin	48"	30,000	40,000	4850	4510	4100K	85
21022	FP54/850/H0/ECO/SL	54	T5	Miniature Bi-Pin	48"	30,000	40,000	4753	4420	5000K	85
						Rated Life Rapid Start 3 hrs/ start					
Item Number	Ordering Abbreviation	Watts	Bulb	Base	Nominal Length		Initial Lumens	Mean Lumens	CCT	CRI	
T12											
24396	F34CW/SS/SL	34	T12	Medium Bi-Pin	48"	20,000	2570	2313	4200K	60	
24728*	F40/D830/ECO/SL	40	T12	Medium Bi-Pin	48"	20,000	3230	2907	3000K	80	
24740	F40/D835/ECO/SL	40	T12	Medium Bi-Pin	48"	20,000	3230	2907	3500K	80	
24767*	F40/D841/ECO/SL	40	T12	Medium Bi-Pin	48"	20,000	3230	2907	4100K	80	
25130*	F48T12/CW/H0/SL	60	T12	Recessed DC	48"	12,000	3970	3216	4200K	60	
25204*	F60T12/CW/H0/SL	75	T12	Recessed DC	60"	12,000	5100	4131	4200K	60	
25267*	F60T12/CW/VHO/LT/SL	141	T12	Recessed DC	60"	10,000	8530	5845	4200K	60	
25222*	F72T12/CW/H0/SL	85	T12	Recessed DC	72"	12,000	6130	4965	4200K	60	
25275*	F72T12/CW/VHO/LT/SL	160	T12	Recessed DC	72"	10,000	10,780	7546	4200K	60	
25273*	F72T12/CW/VHO/SL	160	T12	Recessed DC	72"	10,000	10,490	7343	4200K	60	
25283	F72T12/D835/H0/SL	85	T12	Recessed DC	72"	10,000	6620	6090	3500K	80	
25216*	F96T12/CW/H0/COLDTEMP/SL	110	T12	Recessed DC	96"	12,000	8430	6828	4200K	60	
25021*	F96T12/CW/H0/SS/SL	110	T12	Recessed DC	96"	12,000	7840	6350	4200K	60	
25223*	F96T12/CW/VHO/SL	215	T12	Recessed DC	96"	10,000	13,720	9604	4200K	60	
25217*	F96T12/D835/H0/SL	110	T12	Recessed DC	96"	10,000	9210	8657	3500K	80	
						Rated Life Instant Start 3 hrs/ start					
Item Number	Ordering Abbreviation	Watts	Bulb	Base	Nominal Length		Initial Lumens	Mean Lumens	CCT	CRI	
T12 SUPERSAVER®											
29555	F96T12/CW/SS/SL	60	T12	Single Pin	96"	12,000	5140	4420	4200K	60	

*NAED will be discontinued as of 10/1/12 or before, depending on availability.

Ordering Guide

F0	32	/ 7	35	/	HO	/	ECO	SL
					VHO		EC03	
F = Fluorescent (F48, F60, F72 or F96)	Wattage for F34 or F40 Length (") for F96	Not included for CW CRI = 60	CW = Cool White (4200K)				(if present) TCLP compliant ECOLOGIC® or ECOLOGIC3	SAFELINE – coated lamp
FO = Fluorescent OCTRON®	Wattage for OCTRON® T8 Types	7 = 75 CRI	30 = 3000K 35 = 3500K 41 = 4100K 50 = 5000K					
FP = Fluorescent PENTRON®	Wattage for PENTRON® T5 Types	8 ≥ 85 CRI			(if present) HO = High Output VHO = Very High Output			

Related Literature

For maximum energy savings consider pairing with the following electronic ballast:

High Efficiency NEMA Premium QUICKTRONIC® T8 Brochure (Literature Code: ECS112)

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

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

Sample Specification

Lamp(s) shall be SYLVANIA SAFELINE® coated lamp(s) with (medium bi-pin, single pin, recessed double contact, miniature bi-pin) bases. Lamp(s) shall have a color temperature of (3000K, 3500K, 4100K, 4200K or 5000K) and a CRI of (60, 75, 80, or 85). Lamp(s) shall have shatter-resistant coating to help contain glass and other lamp components within the safety coating material in the event a lamp is accidentally broken. The coating product shall meet UL standards for impact and flammability.

United States

OSRAM SYLVANIA

100 Endicott Street
Danvers, MA 01923
1-800-LIGHTBULB

Trade

Phone: 800-255-5042

Fax: 800-255-5043

National Accounts

Phone: 800-562-4671

Fax: 800-562-4674

OEM/Special Markets

Phone: 800-762-7191

Fax: 800-762-7192

Retail

Phone: 800-842-7010

Fax: 800-842-7011

SYLVANIA Lighting Services

Phone: 800-323-0572

Fax: 800-537-0784

Display/Optic

Phone: 888-677-2627

Fax: 855-543-1043

Canada

OSRAM SYLVANIA LTD.

2001 Drew Road
Mississauga, ON L5S 1S4
1-800-LIGHTBULB

Trade

Phone: 800-263-2852

Fax: 800-667-6772

OEM/Special Markets/Display/Optic

Phone: 800-265-2852

Fax: 800-667-6772

Retail

Phone: 800-720-2852

Fax: 800-667-6772

SYLVANIA Lighting Services

Phone: 800-663-4268

Fax: 866-239-1278

Mexico

OSRAM MEXICO

Tultitlan/Edo de Mexico

Phone: 011-52-55-58-99-18-50

ENCELIUM Technologies

United States

Phone: 201-928-2400

Fax: 201-928-4028

Canada

Phone: 905-731-7678

Fax: 905-731-1401