

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.

Key Features & Benefits

- SAFELINE – shatter-resistant coated lamps:
 - Help contain glass and other lamp components in case of breakage

Product Offering

- OCTRON® ECOLOGIC®
- OCTRON® XP®, XV, XPS, XP/SUPERSAVER® ECOLOGIC
- 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. Lamps must be used in ambient temperatures below 135°F.
4. For use in open fixtures.
5. 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.
6. Lamps must not be used with defective ballasts, sockets or improperly wired fixtures.
7. Lamps must be used with sockets that provide adequate lamp pin to socket contact.
8. Intended for indoor use only.



Specification Data

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

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®													
22271	F017/835/XP/ECO3/SL	17	T8	Medium Bi-Pin	24"	24,000	40,000	40,000	42,000	1350	1283	3500K	85
22378	F025/830/XP/ECO3/SL	25	T8	Medium Bi-Pin	36"	24,000	40,000	40,000	42,000	2107	1936	3000K	82
22273	F025/835/XP/ECO3/SL	25	T8	Medium Bi-Pin	36"	24,000	40,000	40,000	42,000	2130	2024	3500K	85
22279	F028/835/XP/SS/ECO3/SL	28	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2670	2537	3500K	85
21948	F028/841/XP/SS/ECO3/SL	28	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2670	2537	4100K	85
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
21547	F032/741/ECO/SL	32	T8	Medium Bi-Pin	48"	24,000	28,000	30,000	35,000	2716	2444	4100K	78
22387	F032/841/XPS/ECO3/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	3038	2886	4100K	85
22278	F032/841/XP/ECO3/SL	32	T8	Medium Bi-Pin	48"	24,000	40,000	40,000	42,000	2940	2793	4100K	85
22389	F032/850/XPS/ECO3/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
22281	F040/835/XP/ECO3/SL	40	T8	Medium Bi-Pin	60"	24,000	40,000	40,000	42,000	3675	3491	3500K	85
21509	F096/841/ECO/SL	59	T8	Single Pin	96"	24,000	30,000			5782	5319	4100K	82
PENTRON®													
Item Number	Ordering Abbreviation	Watts	Bulb	Base	Nominal Length	Rated Life		Initial Lumens	Mean Lumens	CCT	CRI		
						Programmed Rapid Start 3 hrs/ start	12 hrs/ start						
21027	FP21/835/ECO/SL	21	T5	Miniature Bi-Pin	36"	20,000		1860	1730	3500K	85		
21034	FP28/835/ECO/SL	28	T5	Miniature Bi-Pin	48"	25,000		2550	2372	3500K	85		
20051	FP54/50W/841/HO/SS/ECO/SL	50	T5	Miniature Bi-Pin	48"	30,000	40,000	4850	4510	4100K	85		
20052	FP54/50W/850/HO/SS/ECO/SL	50	T5	Miniature Bi-Pin	48"	30,000	40,000	4753	4420	5000K	85		
21020	FP54/835/HO/ECO/SL	54	T5	Miniature Bi-Pin	48"	30,000	40,000	4850	4510	3500K	85		
21021	FP54/841/HO/ECO/SL	54	T5	Miniature Bi-Pin	48"	30,000	40,000	4850	4510	4100K	85		
21022	FP54/850/HO/ECO/SL	54	T5	Miniature Bi-Pin	48"	30,000	40,000	4753	4420	5000K	85		
T12													
Item Number	Ordering Abbreviation	Watts	Bulb	Base	Nominal Length	Rated Life		Initial Lumens	Mean Lumens	CCT	CRI		
						Rapid Start 3 hrs/ start							
24396	F34CW/SS/SL	34	T12	Medium Bi-Pin	48"	20,000		2570	2313	4200K	60		
24740	F40/D835/ECO/SL	40	T12	Medium Bi-Pin	48"	20,000		3230	2907	3500K	80		
25283	F72T12/D835/HO/SL	85	T12	Recessed DC	72"	10,000		6620	6090	3500K	80		
T12 SUPERSAVER®													
29555	F96T12/CW/SS/SL	60	T12	Single Pin	96"	12,000		5140	4420	4200K	60		

Ordering Guide

F0	32	/ 7	35	/ HO	/ ECO ECO3	SL
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		

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.

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