DULUX® T/E/IN SUPERSAVER® ECOLOGIC®

Energy Saving Compact Fluorescent Lamps

SYLVANIA DULUX T/E/IN SUPERSAVER compact fluorescent lamps are energy saving replacements for full wattage triple tube compact fluorescent lamps. No ballast change is required to reduce energy costs by up to 19%. These lamps feature amalgam technology which improves light output over a wide ambient temperature range. They are designed to be operated on existing, energy efficient electronic and dimming ballasts.

For new installations, DULUX T/E/IN SUPERSAVER lamps are ideally paired with QUICKTRONIC® PROStart® CF electronic ballasts. The lamp and ballast system is covered by the exclusive SYLVANIA QUICK 60+® system warranty of up to 12 months for DULUX lamps and 60 months for QUICKTRONIC ballast.

Key Features & Benefits

- Direct, energy-saving replacements for 26W, 32W and 42W triple tube compact fluorescent lamps
- Up to 19% energy savings when compared with full wattage triple tube lamps
- Operates on existing ballast systems
  – Flicker-free start on electronic ballasts
  – Compatible with QUICKTRONIC® PROStart® CF ballasts
- Long 18,000 hour average rated life
- Fast run-up to full brightness
- Amalgam improves high temperature performance
  – Maintains 90% lumens from 40° to 140°F ambient
- Rare earth tri-phosphor with 82 CRI
- TCLP compliant

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

ECOLOGIC®

RoHS compliant
This light source meets restrictions on hazardous substances.

Product Offering

Lamp	Wattage	CCT
CF26DT/E/IN/21W/SS/8XX/ECO	21	3000K, 3500K, 4100K
CF32DT/E/IN/28W/SS/8XX/ECO	28	3000K, 3500K, 4100K
CF42DT/E/IN/38W/SS/8XX/ECO	38	3000K, 3500K, 4100K

Application Information

Applications

- Recessed ceiling fixtures
- Wall sconces

SYLVANIA DULUX T/E/IN SUPERSAVER ECOLOGIC fluorescent lamps pass the Federal Toxicity Characteristic Leaching Procedure (TCLP[1]) criteria for classification as non-hazardous waste in most states[2]

1. TCLP test results are based on NEMA LL Series standards and are available on request.
2. Lamp disposal regulations may vary; check your local & state regulations.

Application Notes

1. 4-Pin lamps designed for dimming and electronic ballast operation.
2. For horizontal operation, install lamp with etch facing down.
3. Minimum starting temperature depends on ballast.
4. Rule of thumb: to estimate the appropriate compact fluorescent lamp wattage, divide the incandescent wattage by 4.
5. Equipment manufacturers are advised to consult ANSI and IEC standards for the maximum allowable dimensions and temperature to insure compatibility with similar products.
6. QUICKTRONIC PROStart CF electronic ballasts are UCSA Certified and FCC 47CFR Part 18 Consumer Rated.
7. NEMA and SYLVANIA require that electronic ballasts for CFL lamps feature end-of-life shutdown circuitry.
8. QUICKTRONIC ballasts feature QUICKSENSE® circuitry for end-of-life protection required by NEMA.

Specification Data

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

Ordering Information

Item Number	Ordering Abbreviation	NEMA Generic Designation	Base	Watts	Volts[1]	Amps[1]	Initial Lumens	Mean Lumens[2]	Color Temp.	CRI	Avg. Rated Life (hrs.) [3]
21100	CF26DT/E/IN/21W/SS/830/ECO	CFTR26W/GX24q/30	GX24q-3	21	80	.300	1,410	1,213	3000K	82	18,000
21101	CF26DT/E/IN/21W/SS/835/ECO	CFTR26W/GX24q/35	GX24q-3	21	80	.300	1,410	1,213	3500K	82	18,000
21102	CF26DT/E/IN/21W/SS/841/ECO	CFTR26W/GX24q/41	GX24q-3	21	80	.300	1,410	1,213	4100K	82	18,000
21106	CF32DT/E/IN/28W/SS/830/ECO	CFTR32W/GX24q/30	GX24q-3	28	100	.320	1,875	1,613	3000K	82	18,000
21107	CF32DT/E/IN/28W/SS/835/ECO	CFTR32W/GX24q/35	GX24q-3	28	100	.320	1,875	1,613	3500K	82	18,000
21108	CF32DT/E/IN/28W/SS/841/ECO	CFTR32W/GX24q/41	GX24q-3	28	100	.320	1,875	1,613	4100K	82	18,000
21104	CF42DT/E/IN/38W/SS/835/ECO	CFM42W/GX24q/35	GX24q-4	38	135	.320	2,500	2,150	3500K	82	18,000
21105	CF42DT/E/IN/38W/SS/841/ECO	CFM42W/GX24q/41	GX24q-4	38	135	.320	2,500	2,150	4100K	82	18,000

Notes:
1. Measured on high-frequency ballast
2. Measured at 40% of rated life.
3. Based on 3 hours per start. Number of operating hours when half have failed and half are still functional.

Ordering Guide

CF	26	DT	/	E	/	IN	/	21W	/	SS	/	835	/	ECO
Compact Fluorescent	Lamp Type	DULUX® Triple		Electronic Ballast		Amalgam		Wattage 21, 28 or 38		SUPERSAVER®		8 = 82 CRI 30=3000K CCT 35=3500K CCT 41=4100K CCT		ECOLOGIC®

System Comparison

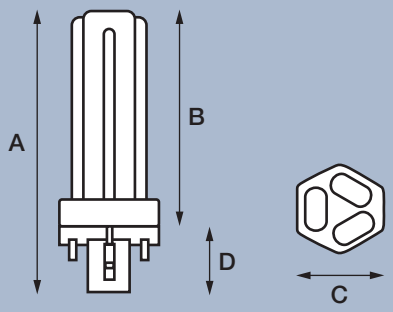
Compact Fluorescent vs. Incandescent

Lamp Type	Rated Lamp Life (hrs.)	System Lumens	System Wattage	System LPW	Energy Savings[1]
100W Incandescent	750	1,710	100	17	–
DULUX T/E/IN/SS 28W w/QUICKTRONIC® CF	18,000	1,826	31	59	$124

1. Based on an energy cost of $0.10/kWh over the life of the lamp.

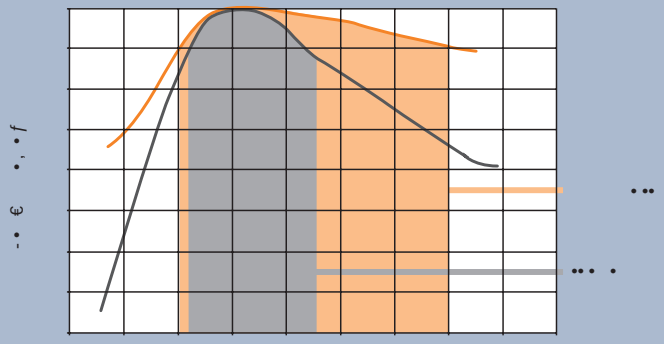
Lamp Dimensions

	(A) MOL [in. (mm)]	(B) Max. Base Face to Top of Lamp [in. (mm)]	(C) Max. Base Width [in. (mm)]	(D) Guide Post Length [in. (mm)]
CF26DT/E/IN/21W/SS/8XX/ECO	4.96 (126)	4.33 (110)	1.90 (48)	0.62 (16)
CF32DT/E/IN/28W/SS/8XX/ECO	5.60 (142)	4.96 (126)	1.90 (48)	0.62 (16)
CF42DT/E/IN/38W/SS/8XX/ECO	7.76 (197)	7.13 (181)	1.90 (48)	0.62 (16)

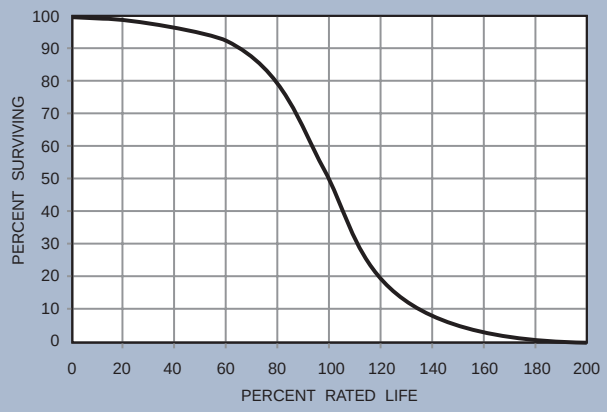


Technical Information

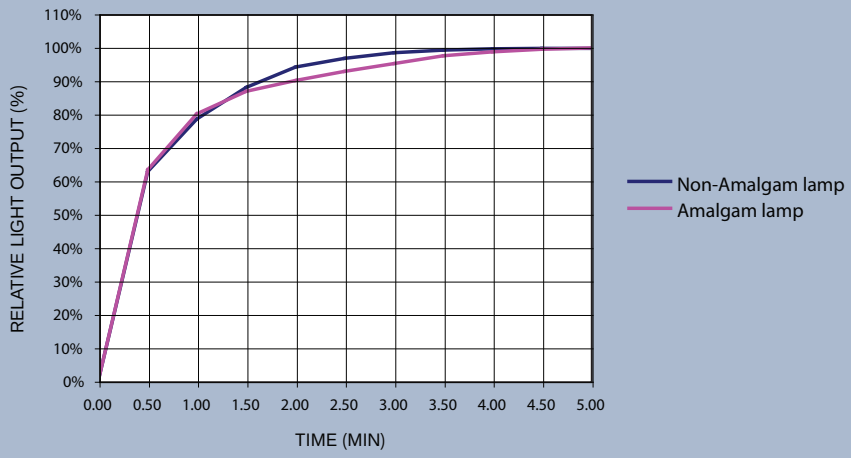
90% Lumen Performance Range
DULUX T/E/IN vs. Non-Amalgam Lamps



Typical Fluorescent Lamp Mortality



Lumen Run-Up Comparison



Lamp(s) shall be (a) DULUX® (CF26DT/E/IN/21W/SS/8XX/ECO, CF32DT/E/IN/28W/SS/8XX/ECO or CF42DT/E/IN/38W/SS/8XX/ECO) ECOLOGIC® lamps and pass existing Federal TCLP limits.