

# DULUX® T/E Compact Fluorescent Lamps

## 4-Pin Compact Fluorescent Lamps



SYLVANIA DULUX T/E compact fluorescent lamps are ideal for use in a wide range of applications. They are designed to be operated on energy efficient electronic and dimming ballasts.

SYLVANIA DULUX T/E lamps are long-life, energy-saving alternatives for incandescent lamps. Short lamp design with photometric benefits of a triple tube lamp provides for efficient fixture design.

### Key Features & Benefits

- Fast run-up to full brightness
- Passes Federal TCLP Test\*
- Operates on various ballast systems
  - Flicker free start on electronic ballasts
  - Compatible with QUICKTRONIC® PROStart® CF
- RoHS compliant
- Consumes 75% less power than incandescent of comparable light output
- High luminous efficacy
- Long 12,000 hour average rated life
- Rare earth tri-phosphor with 82 CRI
- 2700K, 3000K, 3500K and 4100K

\* Regulations may vary. Check your local and state regulations.

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



### Product Offering

Lamp	Wattage	Rated Lumens
CF13DT/E	13	900
CF26DT/E	26	1,800
CF32DT/E	32	2,400

### System Comparison

Lamp Type	Rated Lamp Life (hrs.)	System Lumens	System Wattage	System LPW	Energy Savings
100W Incandescent	750	1,710	100	17	—
DULUX T/E 26W w/QUICKTRONIC CF	12,000	1,800	28	64	\$86

### Application Information

#### Applications

- Garden and walkway lighting
- Recessed ceiling fixtures
- Task and downlights
- Wall sconces

#### Fixtures

Contact your local fixture agent for available fixtures.

#### Ballast Information

Contact your OSRAM SYLVANIA representative for a list of compatible operating systems.

#### Application Notes

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



## Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	Date

## Ordering Information

Item Number	Ordering Abbreviation	NEMA Generic Designation	Base	Watts	Volts <sup>1</sup>	Amps <sup>1</sup>	Initial Lumens	Mean Lumens <sup>2</sup>	CCT	CRI	Avg. Rated Life (hrs.) <sup>3</sup>
20891	CF13DT/E/827/ECO	CFM13W/GX24q/827	GX24q-1	13	90	.175	900	774	2700K	82	12,000
20892	CF13DT/E/830/ECO	CFM13W/GX24q/830	GX24q-1	13	90	.175	900	774	3000K	82	12,000
20893	CF13DT/E/835/ECO	CFM13W/GX24q/835	GX24q-1	13	90	.175	900	774	3500K	82	12,000
20894	CF13DT/E/841/ECO	CFM13W/GX24q/841	GX24q-1	13	90	.175	900	774	4100K	82	12,000
20767	CF26DT/E/827/ECO	CFM26W/GX24q/827	GX24q-3	26	80	.300	1,800	1,548	2700K	82	12,000
20736	CF26DT/E/830/ECO	CFM26W/GX24q/835	GX24q-3	26	80	.300	1,800	1,548	3000K	82	12,000
20641	CF26DT/E/827/ECO	CFM26W/GX24q/841	GX24q-3	26	80	.300	1,800	1,548	2700K	82	12,000
20995	CF26DT/E/835/ECO/BL1	CFM26W/GX24q/835	GX42q-3	26	80	.300	1,800	1,548	3500K	82	12,000
20768	CF32DT/E/827/ECO	CFM32W/GX24q/827	GX24q-3	32	100	.320	2,400	2,064	2700K	82	12,000

1. Measured on high frequency ballast.

2. Measured at 40% of rated life.

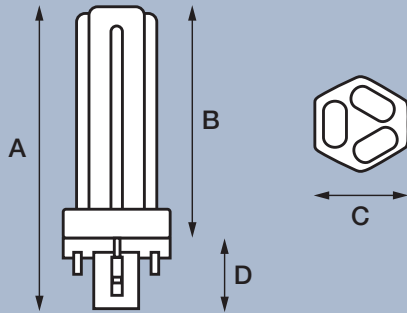
3. Based on 3 hours per start. Number of operating hours when half have failed and half are still functional.

## Ordering Guide

CF	26	DT	/	E	/	827	/	ECO
Compact Fluorescent	Wattage	DULUX Triple		Electronic Ballast		8 = 82 CRI 27 = 2700K CCT 30 = 3000K CCT 35 = 3500K CCT 41 = 4100K CCT		ECOLOGIC®

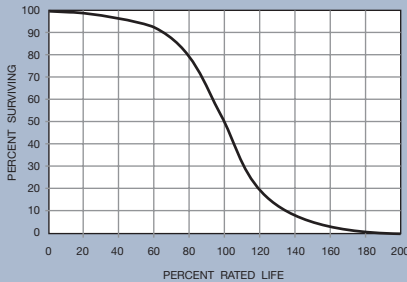
## Technical Information

### Dimensions

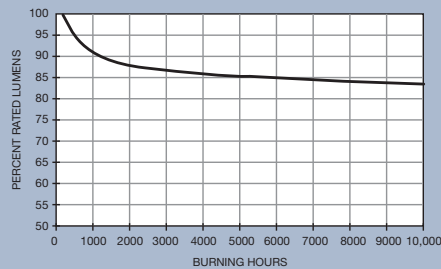


Lamp	(A) MOL in. (mm)	(B) Max. Base Face to Top of Lamp in. (mm)	(C) Max. Base Width in. (mm)	(D) Guide Post Length in. (mm)
CF13DT/E	4.17 (106)	3.54 (90)	1.90 (48)	0.62 (16)
CF26DT/E	4.96 (126)	4.33 (110)	1.90 (48)	0.62 (16)
CF32DT/E	5.6 (142)	4.96 (126)	1.90 (48)	0.62 (16)

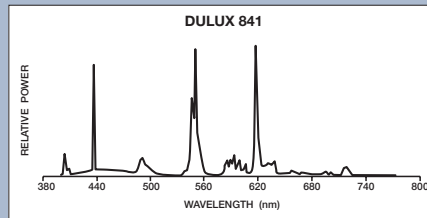
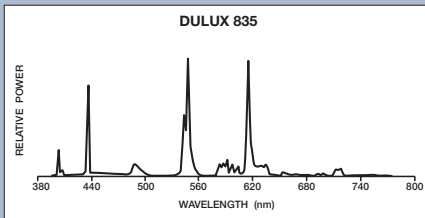
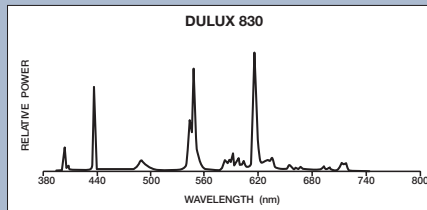
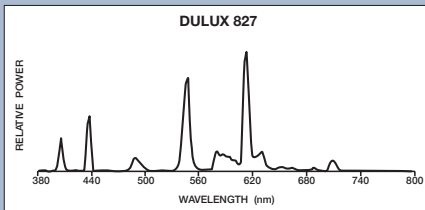
### Typical Fluorescent Lamp Mortality



### Lumen Maintenance Curve



### Spectral Power Distributions



## Sample Specification

Lamp(s) shall be (a) DULUX® (CF13DT/E, CF26DT/E or CF32DT/E) ECO® lamps, with end-of-life shutdown protection and pass existing Federal TCLP limits. Lamp(s) shall have an average rated life of 12,000 hours, a correlated color temperature of (2700K, 3000K, 3500K or 4100K), and a CRI of 82. Lamps shall have a (GX24q-2, -3, -4 or -5) plug-in, 4-pin base and be suitable for use on electronic and dimming ballasts. Lamps shall be operated by QUICKTRONIC® ballasts. Both lamps and ballasts are covered by the QUICK 60+® system warranty.

### Warranty Information

Limited 6 month lamp warranty and a five year ballast warranty is possible if both lamps and ballasts are provided by OSRAM SYLVANIA. See the QUICK 60+ warranty for details and restrictions.

### 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

www.sylvania.com



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