

DULUX® T/E EOL 4 Pin CF Lamps With End-Of-Life, (EOL) Protection

The Dulux EOL family of 4 pin compact fluorescent lamps have a built in feature that will safely shut the lamp down at the end of lamp life.

NEMA¹ has expressed concern regarding the end-of-life operation of small diameter, (T5 or less) 4-pin, compact fluorescent lamps. These lamps when operated on high frequency ballasts may experience an abnormal end-of-life phenomenon, namely one or both of the following:

- Bulb wall cracking near the lamp base
- The lamp can overheat in the base area and possibly melt the base and socket.

NEMA requires high frequency compact fluorescent ballasts to have an End-Of-Life shutdown circuit which will shut the system down reliably in the rare event of the abnormal end-of-life described above.

The DULUX EOL lamps provide protection for existing ballasts which have no End-Of-Life protection. DULUX EOL lamps can also be used on ballasts that have End-Of-Life protection.

SYLVANIA DULUX T/E EOL lamps are ideal for fixtures where shorter overall length and higher lumen packages are required. The amalgam feature provides improved lumen performance when lamps are operated at elevated temperatures. The delta tube configuration provides radial symmetrical light distribution.

DULUX T/E/IN EOL Features

- End-Of-Life, (EOL) Shut Down Protection
- Maintains 90% lumens from 40 to 140F, (amalgam lamps only)
- Dimmable to 10% of full power, 13W is dimmable to 5%
- Designed to operate on electronic ballasts
- When operated on QUICKTRONIC® electronic ballast, lamps are covered by QUICK 60⁺ System Warranty
- Available in 2700, 3000, 3500 & 4100K, 82 CRI and 90% lumen maintenance

1: NEMA: National Electrical Manufacturers Association

PRODUCT AVAILABILITY

Lamp Type	Watts	Rated Lumens
CF13DT/E ²	13	900
CF18DT/E/IN	18	1200
CF26DT/E/IN	26	1800
CF32DT/E/IN	32	2400
CF42DT/E/IN	42	3200

2: CF13DT/E is a non-amalgam lamp

LAMP COMPARISON

Lamp/System	Ballast Factor	System Lumens	System Watts	System Efficacy	Energy Savings
Incandescent 100W	1.0	1710	100	17	-
DULUX T/E/IN 26W QUICKTRONIC CF	1.0	1800	28	62	71%

APPLICATION INFORMATION

Applications

- Task and down lights with electronic ballasts or dimming systems
- Wall sconces
- Recessed and surface ceiling fixtures and outdoor lighting

Notes

- May be operated on electronic ballasts, dimming ballasts, and preheat magnetic ballasts with external starter switch
- Minimum starting temperature depends on ballast used
- Equipment manufacturers are advised to consult the relevant ANSI and IEC standards for the maximum allowable dimensions and temperature to insure compatibility with similar products
- QUICKTRONIC System CF, electronic ballasts available for all wattages except 13W

ORDERING AND SPECIFICATION INFORMATION

Package Quantity = 50

Item Number	Ordering Abbreviation	Generic NEMA Designation	Base	Watts	Volts*	Amps*	Initial Lumens	Mean Lumens	Color Temp.	CRI	Rated Life (hrs.)**
20891	CF13DT/E/827	CFM18W/GX24q/827	GX24q-1	13	90	0.175	900	810	2700K	82	10,000
20892	CF13DT/E/830	CFM18W/GX24q/830	GX24q-1	13	90	0.175	900	810	3000K	82	10,000
20893	CF13DT/E/835	CFM18W/GX24q/835	GX24q-1	13	90	0.175	900	810	3500K	82	10,000
20894	CF13DT/E/841	CFM18W/GX24q/841	GX24q-1	13	90	0.175	900	810	4100K	82	10,000
20875	CF18DT/E/IN/827	CFM18W/GX24q/827	GX24q-2	18	80	0.210	1200	1080	2700K	82	10,000
20876	CF18DT/E/IN/830	CFM18W/GX24q/830	GX24q-2	18	80	0.210	1200	1080	3000K	82	10,000
20877	CF18DT/E/IN/835	CFM18W/GX24q/835	GX24q-2	18	80	0.210	1200	1080	3500K	82	10,000
20878	CF18DT/E/IN/841	CFM18W/GX24q/841	GX24q-2	18	80	0.210	1200	1080	4100K	82	10,000
20879	CF26DT/E/IN/827	CFM26W/GX24q/827	GX24q-3	26	80	0.300	1800	1620	2700K	82	10,000
20880	CF26DT/E/IN/830	CFM26W/GX24q/830	GX24q-3	26	80	0.300	1800	1620	3000K	82	10,000
20881	CF26DT/E/IN/835	CFM26W/GX24q/835	GX24q-3	26	80	0.300	1800	1620	3500K	82	10,000
20882	CF26DT/E/IN/841	CFM26W/GX24q/841	GX24q-3	26	80	0.300	1800	1620	4100K	82	10,000
20883	CF32DT/E/IN/827	CFM32W/GX24q/827	GX24q-3	32	100	0.320	2400	2160	2700K	82	10,000
20884	CF32DT/E/IN/830	CFM32W/GX24q/830	GX24q-3	32	100	0.320	2400	2160	3000K	82	10,000
20885	CF32DT/E/IN/835	CFM32W/GX24q/835	GX24q-3	32	100	0.320	2400	2160	3500K	82	10,000
20886	CF32DT/E/IN/841	CFM32W/GX24q/841	GX24q-3	32	100	0.320	2400	2160	4100K	82	10,000
20887	CF42DT/E/IN/827	CFM42W/GX24q/827	GX24q-4	42	135	0.320	3200	2880	2700K	82	10000
20888	CF42DT/E/IN/830	CFM42W/GX24q/827	GX24q-4	42	135	0.320	3200	2880	3000K	82	10000
20889	CF42DT/E/IN/835	CFM42W/GX24q/827	GX24q-4	42	135	0.320	3200	2880	3500K	82	10000
20890	CF42DT/E/IN/841	CFM42W/GX24q/827	GX24q-4	42	135	0.320	3200	2880	4100K	82	10000

* @25KHz

** Based on 3 hrs per start

ORDERING GUIDE

CF	18	DT	/E	/IN	/8	27
Compact Fluorescent	Wattage: 13,18,26,32 & 42	DULUX T Triple	Electronic 4 - Pin	Amalgam	8 = 82 CRI	27 = 2700K 35 = 3500K 30 = 3000K 41 = 4100K

SAMPLE SPECIFICATION:

Lamp(s) shall be DULUX T/E/IN EOL (CF18T/E/IN, CF26DT/E/IN, CF32DT/E/IN, CF42DT/E/IN) and contain End-Of-Life (EOL) shutdown feature. The lamp(s) shall have a correlated color temperature of 2700K, 3000K, 3500K or 4100K and CRI of 82. Lamps shall provide at least 90% light output over ambient temperature range of 40°F-140°F and have a 4-pin, GX24q-2, GX24q-3 or GX24q-4 base with no internal starter. Lamps shall be dimmable to 10% of full light output.

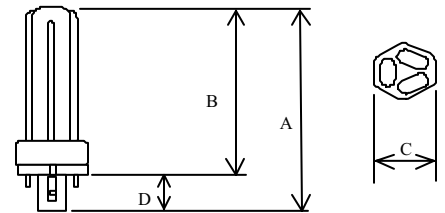
Lamp(s) shall be DULUX T/E EOL, CF13T/E and contain End-Of-Life (EOL) shutdown feature. The lamp(s) shall have a correlated color temperature of 2700K, 3000K, 3500K or 4100K and CRI of 82. Lamps shall have a 4-pin, GX24q-1 base with no internal starter. Lamps shall be dimmable to 5% of full light output.

The lamps shall be operated on a dedicated QUICKTRONIC® CF ballasts with a complete system warranty from one manufacturer covering lamps and ballasts.

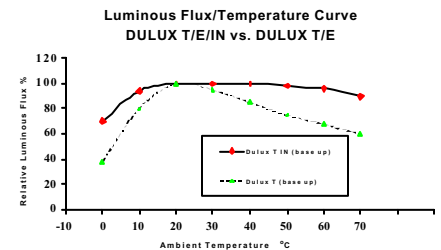
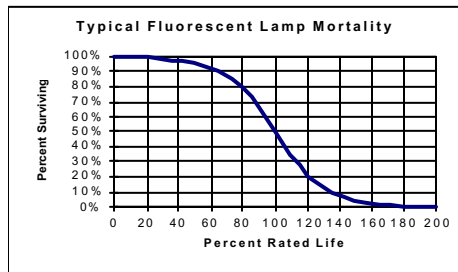
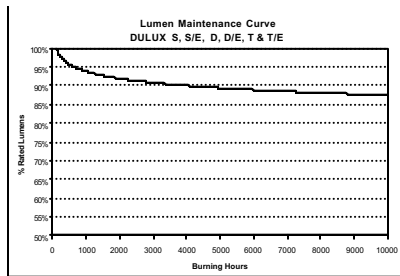
DIMENSIONS

Bulb Type = T4

Ordering Abbreviation	(A) Max. Overall Length [in (mm)]	(B) Max. Base Face to Top of Lamp [in (mm)]	(C) Maximum Base Width [in (mm)]	(D) Guide Post [in (mm)]
CF13DT/E	4.17 (106)	3.54 (90)	1.90 (49)	0.62 (16)
CF18DT/E/IN	4.77 (111)	3.74 (95)	1.90 (49)	0.62 (16)
CF26DT/E/IN	4.96 (126)	4.33 (110)	1.90 (49)	0.62 (16)
CF32DT/E/IN	5.60 (142)	4.96 (126)	1.90 (49)	0.62 (16)
CF42DT/E/IN	6.42 (163)	5.79 (147)	1.90 (49)	0.62 (16)



Technical Information



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

Industrial & Commercial

Phone: 1-800-255-504

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

Visit our website: www.osram-sylvania.com

