

DULUX® T/E/IN ECOLOGIC® 4-Pin Amalgam Compact Fluorescent Lamps



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

SYLVANIA DULUX T/E/IN lamps are long-life, energy-saving alternatives for incandescent lamps. Amalgam technology provides higher lumens over a much wider temperature range than non-amalgam lamps. The triple tube configuration of these lamps allows for single-lamp luminaire designs with improved efficacy and photometric performance.

Key Features & Benefits

- Improved lumen output vs. non-amalgam triple tube lamps
 - Maintains 90% lumens from 40° to 140°F ambient
- Long 12,000 to 16,000 hour average rated life
- Fast run-up to full brightness
- ECOLOGIC passes Federal TCLP Test*
- RoHS compliant
- Operates electronic ballast systems
 - Flicker-free starting and dimmable
 - Compatible with QUICKTRONIC® PROStart CF
- High luminous efficacy
- Rare earth tri-phosphor with 82 CRI
- Less power consumption than incandescent of comparable light output

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



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

Product Offering

Lamp	Wattage	CCT
CF18DT/E/IN	18	2700K, 3000K, 3500K, 4100K
CF26DT/E/IN	26	2700K, 3000K, 3500K, 4100K
CF32DT/E/IN	32	2700K, 3000K, 3500K, 4100K
CF42DT/E/IN	42	2700K, 3000K, 3500K, 4100K
CF57DT/E/IN	57	3000K, 3500K, 4100K

Application Information

Applications

- Recessed downlights
- Surface mounted luminaires
- Wall sconces

Application Notes

1. 4-pin lamps are designed for use with programmed rapid start ballasts. Not recommended for use with IS ballasts.
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. For horizontal operation, install lamp with etch facing down.
7. 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	CCT	CRI	Avg. Rated Life (hrs.) ³
20875	CF18DT/E/IN/827/ECO	CFTR18W/GX24q/27	GX24q-2	18	80	.210	1,200	1,032	2700K	82	12,000
20876	CF18DT/E/IN/830/ECO	CFTR18W/GX24q/30	GX24q-2	18	80	.210	1,200	1,032	3000K	82	12,000
20877	CF18DT/E/IN/835/ECO	CFTR18W/GX24q/35	GX24q-2	18	80	.210	1,200	1,032	3500K	82	12,000
20878	CF18DT/E/IN/841/ECO	CFTR18W/GX24q/41	GX24q-2	18	80	.210	1,200	1,032	4100K	82	12,000
20879	CF26DT/E/IN/827/ECO	CFTR26W/GX24q/27	GX24q-3	26	80	.300	1,800	1,548	2700K	82	16,000
20880	CF26DT/E/IN/830/ECO	CFTR26W/GX24q/30	GX24q-3	26	80	.300	1,800	1,548	3000K	82	16,000
20881	CF26DT/E/IN/835/ECO	CFTR26W/GX24q/35	GX24q-3	26	80	.300	1,800	1,548	3500K	82	16,000
20882	CF26DT/E/IN/841/ECO	CFTR26W/GX24q/41	GX24q-3	26	80	.300	1,800	1,548	4100K	82	16,000
20883	CF32DT/E/IN/827/ECO	CFTR32W/GX24q/27	GX24q-3	32	100	.320	2,400	2,064	2700K	82	16,000
20884	CF32DT/E/IN/830/ECO	CFTR32W/GX24q/30	GX24q-3	32	100	.320	2,400	2,064	3000K	82	16,000
20885	CF32DT/E/IN/835/ECO	CFTR32W/GX24q/35	GX24q-3	32	100	.320	2,400	2,064	3500K	82	16,000
20886	CF32DT/E/IN/841/ECO	CFTR32W/GX24q/41	GX24q-3	32	100	.320	2,400	2,064	4100K	82	16,000
20887	CF42DT/E/IN/827/ECO	CFTR42W/GX24q/27	GX24q-3	42	135	.320	3,200	2,752	2700K	82	16,000
20888	CF42DT/E/IN/830/ECO	CFTR42W/GX24q/30	GX24q-4	42	135	.320	3,200	2,752	3000K	82	16,000
20871	CF42DT/E/IN/835/ECO	CFTR42W/GX24q/35	GX24q-4	42	135	.320	3,200	2,752	3500K	82	16,000
20890	CF42DT/E/IN/841/ECO	CFTR42W/GX24q/41	GX24q-4	42	135	.320	3,200	2,752	4100K	82	16,000
20896	CF57DT/E/IN/830/ECO	CFTR57W/GX24q/30	GX24q-5	57	182	.320	4,300	3,698	3000K	82	12,000
20897	CF57DT/E/IN/835/ECO	CFTR57W/GX24q/35	GX24q-5	57	182	.320	4,300	3,698	3500K	82	12,000
20899	CF57DT/E/IN/841/ECO	CFTR57W/GX24q/41	GX24q-5	57	182	.320	4,300	3,698	4100K	82	12,000

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	/	835	/	ECO
Compact Fluorescent	Wattage 18, 26, 32, 42, 57	DULUX® Triple		Electronic Ballast		Amalgam		8 = 82 CRI 27=2700K CCT 30=3000K CCT 35=3500K CCT 41=4100K CCT		ECOLOGIC®

System Comparison

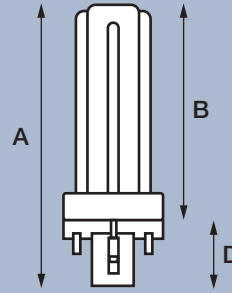
Compact Fluorescent vs. Incandescent

Lamp Type	Rated Lamp Life (hrs.)	System Lumens	System Wattage	System LPW	Energy Savings*
100W Incandescent	750	1,710	100	17	—
DULUX T/E/IN 26W w/QUICKTRONIC® CF	18,000	1,800	28	64	\$115
150W Incandescent	750	2,740	150	18.5	—
DULUX T/E/IN 42W w/QUICKTRONIC CF	16,000	3,200	46	70	\$66

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

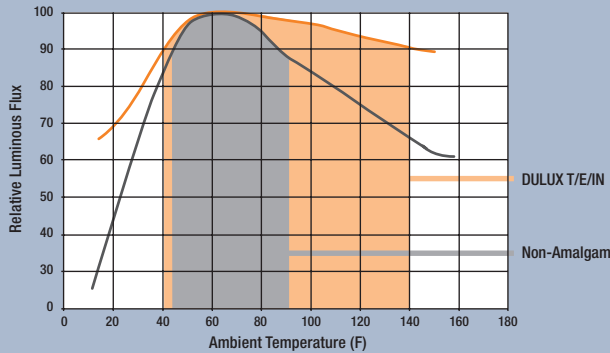
Lamp Dimensions

	(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)]
CF18DT/E/IN	4.37 (111)	3.74 (95)	1.90 (48)	0.62 (16)
CF26DT/E/IN	4.96 (126)	4.33 (110)	1.90 (48)	0.62 (16)
CF32DT/E/IN	5.59 (142)	4.96 (126)	1.90 (48)	0.62 (16)
CF42DT/E/IN	6.42 (163)	5.78 (147)	1.90 (48)	0.62 (16)
CF57DT/E/IN	7.76 (197)	7.13 (181)	1.90 (48)	0.62 (16)

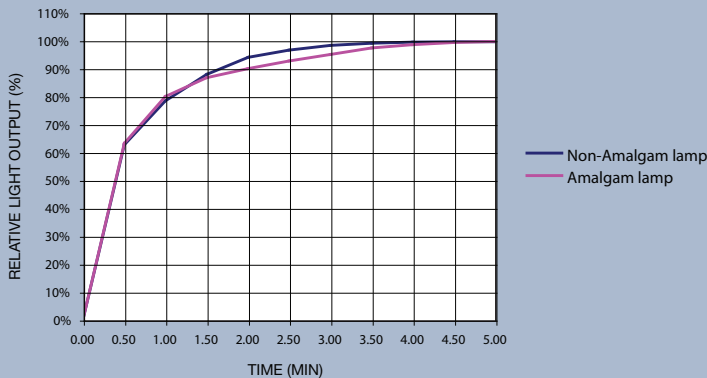


Technical Information

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



Lumen Run-Up Comparison



Related Literature

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

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

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

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Specifications subject to change without notice.

CF055R3

Sample Specification

Lamp(s) shall be (a) DULUX® (CF18DT/E/IN, CF26DT/E/IN, CF32DT/E/IN, CF42DT/E/IN or CF57DT/E/IN) ECOLOGIC® lamps and pass existing Federal TCLP limits. Lamp(s) shall have an average rated life of 12,000 to 16,000 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.

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

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