

## Product Information Bulletin

# DULUX® T/E/IN

## 4-Pin Amalgam Compact Fluorescent Lamps



- Improved high temperature performance
  - Maintains 90% lumens from 40° to 140°F ambient
- Operates on various ballast systems
  - Flicker free start on electronic ballasts
  - Compatible with QUICKTRONIC® System CF
- Less power consumption than incandescent of comparable light output
- High luminous efficacy
- Long 10,000 hour average rated life
  - Reduces relamping requirement and related cost
- Rare earth triphosphor with 82 CRI
- 2700K, 3000K, 3500K and 4100K

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

DULUX T/E/IN amalgam lamps are ideal for fixtures where shorter overall length lamps with higher lumen packages are required and where lamps may operate at elevated temperatures. In addition, the delta tube configuration of these lamps provides an even light distribution.

### Product Availability

Lamp	Wattage	Rated Lumens
CF18DT/E/IN	18	1200
CF26DT/E/IN	26	1800
<b>CF32DT/E/IN</b>	<b>32</b>	<b>2400</b>
CF42DT/E/IN	42	3200
CF57DT/E/IN	57	4300

### System Comparison

*Compact Fluorescent vs Incandescent*

Lamp Type	Rated Lamp Life	Ballast Factor	System Lumens	System Wattage	System LPW	Energy <sup>1</sup> Savings
100W Incandescent	750 hrs.	1.0	1710	100W	17	-
DULUX T/E/IN 26W w/ QUICKTRONIC CF	10,000 hrs.	1.02	1835	28W	66	\$72.00
150W Incandescent	750 hrs.	1.0	2780	150W	18.5	-
DULUX T/E/IN 42W w/QUICKTRONIC CF	10,000 hrs.	1.0	3200	46W	70	\$104.00
200W Incandescent	750 hrs.	1.0	3800	200W	19	-
DULUX T/E/IN 57W w/QUICKTRONIC CF	10,000 hrs.	1.0	4300	62W	69	\$138.00

1. Based on \$.10/kWh over 10,000 hours.

### Application Information

#### Applications

Recessed ceiling fixtures  
 Industrial lighting  
 Showcase lighting  
 Wall sconces  
 Task lighting  
 Exit signs  
 Garden and walkway lighting

#### 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 System CF electronic ballasts available for all wattages: 18W, 26W, 32W, 42W & 57W.

**SYLVANIA**

### Sample Specification

Lamp(s) shall be (a) DULUX (CF18DT/IN, CF26DT/E/IN, CF32DT/E/IN, CF42DT/E/IN or CF57DT/E/IN triple lamps. Lamp(s) shall have an average rated life of 10,000 hours, a correlated color temperature of (2700K, 3000K, 3500K or 4100K), and a CRI of 82. Lamps shall have a (GX24q-2, GX24q-3, GX24q-4 or GX24q-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 covered by the QUICK 60+ system warranty.

### Warranty Information

#### QUICK 60+ warranty for OSRAM SYLVANIA lamp and ballast combination

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

## Ordering and Specification 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>	Color Temp.	CRI	Av. Rated Life(hrs.) <sup>3</sup>
20875	CF18DT/E/IN/827	CFM18W/GX24q/27	GX24q-2	18	80	.210	1200	1032	2700K	82	10,000
20876	CF18DT/E/IN/830	CFM18W/GX24q/30	GX24q-2	18	80	.210	1200	1032	3000K	82	10,000
20877	CF18DT/E/IN/835	CFM18W/GX24q/35	GX24q-2	18	80	.210	1200	1032	3500K	82	10,000
20878	CF18DT/E/IN/841	CFM18W/GX24q/41	GX24q-2	18	80	.210	1200	1032	4100K	82	10,000
20879	CF26DT/E/IN/827	CFM26W/GX24q/27	GX24q-3	26	80	.300	1800	1548	2700K	82	10,000
20880	CF26DT/E/IN/830	CFM26W/GX24q/30	GX24q-3	26	80	.300	1800	1548	3000K	82	10,000
20881	CF26DT/E/IN/835	CFM26W/GX24q/35	GX24q-3	26	80	.300	1800	1548	3500K	82	10,000
20882	CF26DT/E/IN/841	CFM26W/GX24q/41	GX24q-3	26	80	.300	1800	1548	4100K	82	10,000
20883	CF32DT/E/IN/827	CFM32W/GX24q/27	GX24q-3	32	100	.320	2400	2064	2700K	82	10,000
20884	CF32DT/E/IN/830	CFM32W/GX24q/30	GX24q-3	32	100	.320	2400	2064	3000K	82	10,000
20885	CF32DT/E/IN/835	CFM32W/GX24q/35	GX24q-3	32	100	.320	2400	2064	3500K	82	10,000
<b>20886</b>	<b>CF32DT/E/IN/841</b>	<b>CFM32W/GX24q/41</b>	<b>GX24q-3</b>	<b>32</b>	<b>100</b>	<b>.320</b>	<b>2400</b>	<b>2064</b>	<b>4100K</b>	<b>82</b>	<b>10,000</b>
20887	CF42DT/E/IN/827	CFM42W/GX24q/27	GX24q-4	42	135	.320	3200	2752	2700K	82	10,000
20888	CF42DT/E/IN/830	CFM42W/GX24q/30	GX24q-4	42	135	.320	3200	2752	3000K	82	10,000
20889	CF42DT/E/IN/835	CFM42W/GX24q/35	GX24q-4	42	135	.320	3200	2752	3500K	82	10,000
20890	CF42DT/E/IN/841	CFM42W/GX24q/41	GX24q-4	42	135	.320	3200	2752	4100K	82	10,000
20895	CF57DT/E/IN/827	CFM57W/GX24q/27	GX24q-5	57	182	.320	4300	3698	2700K	82	10,000
20896	CF57DT/E/IN/830	CFM57W/GX24q/30	GX24q-5	57	182	.320	4300	3698	3000K	82	10,000
20897	CF57DT/E/IN/835	CFM57W/GX24q/35	GX24q-5	57	182	.320	4300	3698	3500K	82	10,000
20899	CF57DT/E/IN/841	CFM57W/GX24q/41	GX24q-5	57	182	.320	4300	3698	4100K	82	10,000

- @ 25 KHz
- Measured at 40% (4000 hours) of rated life.
- Based on 3 hours per start. Number of operating hours when half have failed and half are still operating.

### Ordering Guide

CF	26	DT	/	E	/	IN	/	835
Compact Fluorescent	Wattage 18, 26, 32, 42 or 57 watts	DULUX Triple	/	For electronic and dimming ballasts	/	Amalgam	/	82 CRI 27 = 2700K 30 = 3000K 35 = 3500K 41 = 4100K

### Dimensions

	(A) MOL [in. (mm)]	(B) Max. Base Face to Top of Lamp [in. (mm)]	(C) Max. Base Width [in. (mm)]	(D) Guide Post [in. (mm)]
CF18T/E/IN	4.77 (111)	3.74 (95)	1.90 (49)	0.62 (16)
CF26T/E/IN	4.96 (126)	4.33 (110)	1.90 (49)	0.62 (16)
<b>CF32T/E/IN</b>	<b>5.60 (142)</b>	<b>4.96 (126)</b>	<b>1.90 (49)</b>	<b>0.62 (16)</b>
CF42T/E/IN	6.42 (163)	5.79 (147)	1.90 (49)	0.62 (16)
CF57T/E/IN	7.76 (197)	7.13 (181)	1.90 (49)	0.62 (16)

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

#### Industrial & Commercial

Phone: 1-800-255-5042  
Fax: 1-800-255-5043

#### National Accounts

Phone: 1-800-562-4671  
Fax: 1-800-562-4674

#### OEM & Special Markets

Phone: 1-800-762-7191  
Fax: 1-800-762-7192

#### Photo-Optic

Phone: 1-888-677-2627  
Fax: 1-800-762-7192

OSRAM SYLVANIA  
Ballast Division  
800 N. Church Street  
Lake Zurich, IL 60047

Phone: 1-800-654-0089  
Fax: 1-847-726-6424

In Canada  
OSRAM SYLVANIA LTD.  
Headquarters  
2001 Drew Road  
Mississauga, ON L5S 1S4

#### Industrial & Commercial

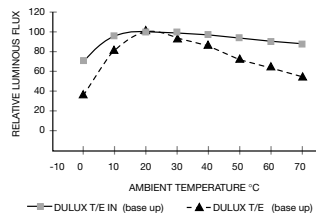
Phone: 1-800-263-2852  
Fax: 1-800-667-6772

#### Special Markets

Phone: 1-800-265-2852  
Fax: 1-800-667-6772

### Technical Information

Luminous Flux/Temperature Curve  
DULUX T/E/IN vs. DULUX T/E



Typical Fluorescent Lamp Mortality

