

# DULUX® D/E ECOLOGIC® 4-Pin Compact Fluorescent Lamps



SYLVANIA DULUX D/E ECOLOGIC compact fluorescent lamps are long-life, energy-saving alternatives for incandescent lamps. The lamps are dimmable and when paired with electronic dimming ballasts, the system will maximize energy savings. These lamps have a small lamp size with the photometric benefits of a double-tube lamp that provides for efficient fixture design.

## Key Features & Benefits

- Dimmable, compact fluorescent lamps for use on dimming and electronic ballasts
- Long 20,000 hour average rated life
- 86% mean lumens
- 82 CRI
- TCLP and RoHS compliant
- When compared to incandescent lamps:
  - Typically lasts up to 20 times longer
  - Uses about 1/4 the energy
  - Reduces relamping requirements and maintenance costs
- When paired with QUICKTRONIC® electronic ballast, this system is covered by the QUICK 60+ System Warranty, the industry's first and most comprehensive system warranty.

\*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 Type	Wattage	CCT
CF13DD/E	13	2700K, 3000K, 3500K, 4100K
CF18DD/E	18	2700K, 3000K, 3500K, 4100K
CF26DD/E	26	2700K, 3000K, 3500K, 4100K

## Lamp Comparison

Compact Fluorescent vs Incandescent

Lamp Type	Rated Lamp Life	Ballast Factor	System Lumens	System Wattage	System LPW	Energy Savings
2 – 26 Watt DULUX D ECOLOGIC	20,000 hours	1.0	3600	48	51	76%
1 – 200A Watt Incandescent	750 hours	1.0	3800	200	75	–

## Application Information

### Applications

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

### 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. QUICKTRONIC ballasts feature QUICKSENSE® circuitry for end-of-life protection required by NEMA.
5. Equipment manufacturers are advised to consult ANSI and IEC standards for the maximum allowable dimensions and temperature to insure compatibility with similar products.

## Specification Data

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

## Ordering Information

Item Number	Ordering Abbreviation	NEMA Generic Description	Watts	Base	Initial Lumens	Mean Lumens <sup>1</sup>	Avg. Rated Life (hrs.) <sup>2</sup>	CCT	CRI
20682	CF13DD/E/827	CFQ13W/G24q/27	13	G24q-1	900	775	20,000	2700K	82
20721	CF13DD/E/830	CFQ13W/G24q/30	13	G24q-1	900	775	20,000	3000K	82
20671	CF13DD/E/835	CFQ13W/G24q/35	13	G24q-1	900	775	20,000	3500K	82
20667	CF13DD/E/841	CFQ13W/G24q/41	13	G24q-1	900	775	20,000	4100K	82
20683	CF18DD/E/827	CFQ18W/G24q/27	18	G24q-2	1150	990	20,000	2700K	82
20724	CF18DD/E/830	CFQ18W/G24q/30	18	G24q-2	1150	990	20,000	3000K	82
20672	CF18DD/E/835	CFQ18W/G24q/35	18	G24q-2	1150	990	20,000	3500K	82
20668	CF18DD/E/841	CFQ18W/G24q/41	18	G24q-2	1150	990	20,000	4100K	82
20684	CF26DD/E/827	CFQ26W/G24q/27	26	G24q-3	1710	1470	20,000	2700K	82
20722	CF26DD/E/830	CFQ26W/G24q/30	26	G24q-3	1710	1470	20,000	3000K	82
20673	CF26DD/E/835	CFQ26W/G24q/35	26	G24q-3	1710	1470	20,000	3500K	82
20669	CF26DD/E/841	CFQ26W/G24q/41	26	G24q-3	1710	1470	20,000	4100K	82

1. Measured at 40% of rated life.

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

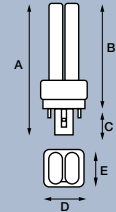
## Ordering Guide

CF	26	DD	/	E	/	8	27
Compact Fluorescent	Wattage: 13, 18 or 26 watts	DULUX Double	/	for electronic and dimming ballasts	/	8 = 82 CRI	27 = 2700K 30 = 3000K 35 = 3500K 41 = 4100K

## Lamp Dimensions

Ordering Abbreviation	(A) Max. Overall Length [in (mm)]	(B) Base Face to Top of Lamp [in (mm)]	(C) Guide Post Length [in (mm)]	(D) Max. Base Width [in (mm)]
CF13DD/E	5.2 (132)	4.5 (114)	0.62 (16)	1.4 (35)
CF18DD/E	5.8 (147)	5.1 (130)	0.62 (16)	1.4 (35)
CF26DD/E	6.6 (168)	5.9 (150)	0.62 (16)	1.4 (35)

T4 diameter glass tubing = 0.5 inches (12.7mm)



## Related Literature

Ballast Technology and Specification Guide (Literature code ecs-electronic2009)  
 QUICKTRONIC® HELIOS™ CF Universal Dimming Ballast (Literature code ECS255)  
 QUICKTRONIC® PROstart® CF Universal Dual Entry Ballast (Literature code ECS236)  
 QUICK 60+ System Warranty (Literature code ECS140)

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 Specifications subject to change without notice.

## Sample Specification

Lamp(s) shall be (a) DULUX® D/E ECOLOGIC® (CF13D-D/E, CF18DD/E or CF26DD/E) lamps that pass existing Federal TCLP limits and is RoHS compliant. Lamps shall have an average rated life of 20,000 hours, a correlated color temperature of (2700K, 3000K, 3500K or 4100K), and a CRI of 82. Lamps shall have a (G24q-1, G24q-2, G24q-3) plug-in, 4-pin base and be suitable for use on electronic and dimming ballasts. Lamps shall be operated by QUICKTRONIC® Professional ballasts. Both lamps and ballasts covered by the QUICK 60+® system warranty.

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