

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 OSRAM 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 focused on addressing environmental issues at all stages of lamp life.



Product Offering

Lamp Type	Watts	CCT
CF13DD/E	13	2700K, 3000K, 3500K, 4100K
CF18DD/E	18	2700K, 3000K, 3500K, 4100K
CF26DD/E	26	2700K, 3000K, 3500K, 4100K

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

Catalog #

Project

Comments

Prepared by

Ordering Information

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

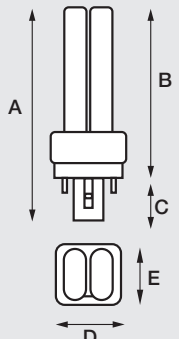
Compact Fluorescent vs. Incandescent

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

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)



Sample Specification

Lamp(s) shall be (a) DULUX® D/E ECOLOGIC® (CF13DD/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.

Related Literature

Ballast Technology and Specification Guide (Literature code ECS-SPECGUIDE2015)

QUICK 60+ System Warranty (Literature code ECS140)

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