DULUX® S/E

Compact Fluorescent Lamps

Key Features & Benefits

- Dimmable compact fluorescent lamps
- Operates on various ballast systems
  - Flicker-free start on electronic ballasts
- Less power consumption than incandescent of comparable light output*
- High luminous efficacy
- Long 20,000-hour average rated life
  - Reduces relamping requirement and related cost
- Rare earth triphosphor – 82 CRI
- 2700K and 4100K color temperatures
  - 3000K available in 13 Watt lamp only

* Based on OSRAM SYLVANIA TCLP test protocol.

SYLVANIA DULUX S/E compact fluorescent lamps are the equivalent of the DULUX S lamps without an integrated starter and are designed to operate on electronic ballasts and dimming systems.

Small tube diameter of 1/2" makes DULUX S/E lamps ideal for creative fixture design and modern lighting systems having comparable light output.

Product Offering

Lamp Type	Watts	Rated Lumens
CF5DS/E/800	5	230
CF7DS/E/800	7	400
CF9DS/E/800	9	580
CF13DS/E/800	13	800

Lamp Comparison

Lamp Type	Ballast Factor	System Lumens	System Watts	System Efficacy	Energy Savings
One – 90W Incandescent	1.0	1,510	90	17	—
Two – 13W DULUX S/E	0.95	1,520	28	54	69%

Application Information

Applications

- Exit signs, showcase and outdoor lighting
- Task and down lights
- Wall sconces, recessed and surface ceiling fixtures

Application Notes

1. Minimum starting temperature depends on ballast used.
2. May be operated on electronic ballasts, dimming ballasts and preheat magnetic ballasts with external starter switch.
3. 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.

Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Information

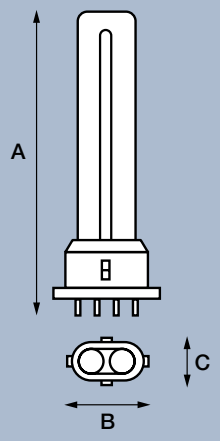
Item Number	Ordering Abbreviation	NEMA Generic Designation	Base	Watts	Volts*	Amps*	Initial Lumens	Mean Lumens	Color Temp.	CRI	Avg. Rated Life (hrs.)
20315	CF5DS/E/841	CFT5W/2G7/841	2G7	5	27	.190	230	207	4100K	82	20,000
20312	CF7DS/E/827	CFT7W/2G7/827	2G7	7	48	.175	400	360	2700K	82	20,000
20316	CF7DS/E/841	CFT7W/2G7/841	2G7	7	48	.175	400	360	4100K	82	20,000
20313	CF9DS/E/827	CFT9W/2G7/827	2G7	9	48	.170	580	522	2700K	82	20,000
20317	CF9DS/E/841	CFT9W/2G7/841	2G7	9	48	.170	580	522	4100K	82	20,000
20314	CF13DS/E/827	CFT13W/2GX7/827	2GX7	13	46	.170	800	720	2700K	82	10,000
20284	CF13DS/E/830	CFT13W/2GX7/830	2GX7	13	46	.255	800	720	3000K	82	10,000
20318	CF13DS/E/841	CFT13W/2GX7/841	2GX7	13	46	.255	800	720	4100K	82	10,000

*@ 25 KHz
Note: Package Quantity = 50

Ordering Guide

CF	5	DS	/	E	/	8	27
Compact Fluorescent	Wattage: 5, 7, 9 and 13 watts	DULUX® S Single		Electronic		8 = 82 CRI	27 = 2700K 30 = 3000K 41 = 4100K

Dimensions

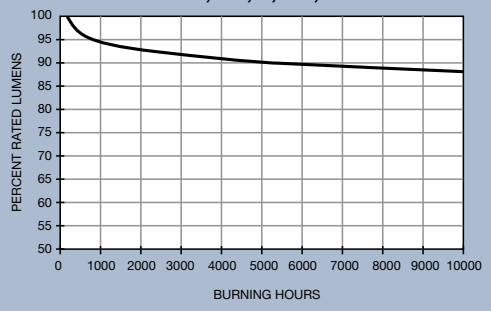


Ordering Abbreviation	(A) MOL [in (mm)]	(B) Max. Base Length [in (mm)]	(C) Max. Base Width [in (mm)]
CF5DS/E	3.35 (85)	1.50 (38) 0.83	(21.0)
CF7DS/E	4.53 (115)	1.50 (38) 0.83	(21.0)
CF9DS/E	5.71 (145)	1.50 (38) 0.83	(21.0)
CF13DS/E	6.18 (157)	1.50 (38) 0.83	(21.0)

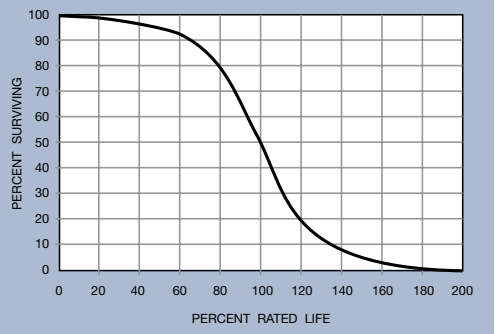
T4 Diameter Tubing = 0.5 inches (12.7mm)

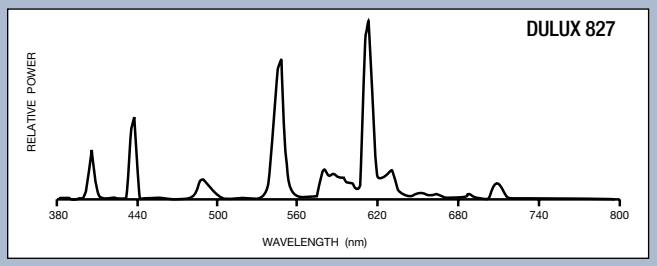
Technical Information

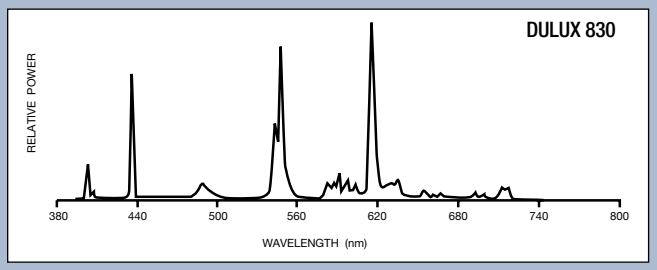
Lumen Maintenance Curve
DULUX S, S/E, D, D/E, T & T/E

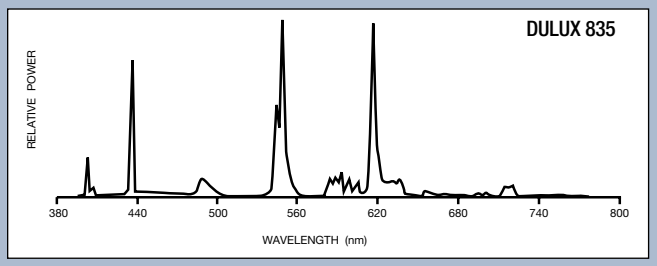


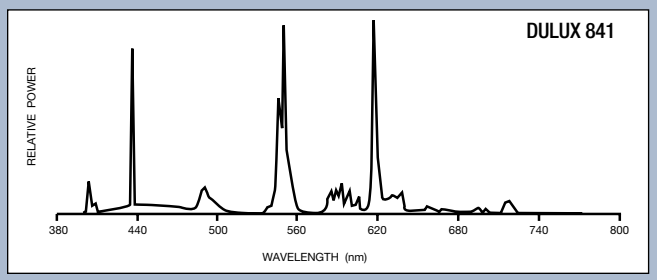
Typical Fluorescent Lamp Mortality











Sample Specification

Lamp(s) shall be (a) DULUX S/E (CF5DS/E, CF7DS/E, CF9DS/E or CF13DS/E) compact fluorescent lamp(s). Lamp(s) shall have a correlated color temperature of (2700K, 3000K or 4100K) and CRI of 82. Lamps shall have a 4-pin (2G7, 2GX7 base with no internal starter.

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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