DULUX® S ECOLOGIC®
Compact Fluorescent Lamps

SYLVANIA DULUX S ECOLOGIC compact fluorescent lamps are an energy saving option over incandescent lamps. These lamps provide even light distribution and similar light output. When compared to a 90 Watt incandescent the 13 Watt DULUX S ECOLOGIC lamp will have up to 75% energy savings and ten times longer life.

DULUX S ECOLOGIC lamps are designed to meet the Federal Toxicity Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states* and is RoHS compliant.

* Always check your local and state regulations.

Key Features & Benefits

- High Efficacy
  - Uses less energy than an incandescent lamp of comparable lumen output
- Reduced greenhouse gas and mercury emissions from power generation compared to incandescent lamps
- Long 10,000 hour average rated life
  - Reduces relamping requirements and related costs
- Two-pin lamps with integral starter
- 82 CRI
- 10,000-hour average rated life
- Lead-free glass
- TCLP and RoHS compliant

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

ECOLOGIC®

RoHS compliant
This light source meets restrictions on hazardous substances.

LEAD-FREE

Product Offering

Lamp Type	Watts	CCT
CF5DS/800/ECO	5W	2700K, 4100K
CF7DS/800/ECO	7W	2700K, 3500K, 4100K, 5000K
CF9DS/800/ECO	9W	2700K, 3500K, 4100K, 5000K
CF13DS/800/ECO	13W	2700K, 3500K, 4100K, 5000K

Application Information

Applications

Down lights
Exit signs
Surface mounted fixtures
Task lighting
Wall sconces

Application Notes

1. 2-Pin, preheat lamps designed for magnetic ballast operation.
2. Minimum starting temperatures available on next page.
3. Rule of thumb: to estimate the appropriate compact fluorescent lamp wattage, divide the incandescent wattage by 4.
4. Lamps manufactured to prevent socket deformation due to overheating when operated on magnetic ballasts of any supply voltage.

Ordering Information

Item Number	Ordering Abbreviation	NEMA Generic Designation	Base	Watts	Volts	Amps	Initial Lumens	Mean Lumens	Avg. Rated Life (hrs.)*	CRI	Min. Starting Temp. (F/C)**
21279	CF5DS/827/ECO	CF5W/G23/827	G23	5	35	.180	230	210	10,000	82	-22°/-30°
21278	CF5DS/841/ECO	CFT5W/G23/841	G23	5	35	.180	230	210	10,000	82	-22°/-30°
21277	CF7DS/827/ECO	CFT7W/G23/827	G23	7	45	.180	400	360	10,000	82	-4°/-20°
21276	CF7DS/835/ECO	CFT7W/G23/835	G23	7	45	.180	400	360	10,000	82	-4°/-20°
21274	CF7DS/841/ECO	CFT7W/G23/841	G23	7	45	.180	400	360	10,000	82	-4°/-20°
21275	CF7DS/850/ECO	CFT7W/G23/850	G23	7	45	.180	400	360	10,000	82	-4°/-20°
21272	CF9DS/827/ECO	CFT9W/G23/827	G23	9	59	.180	580	520	10,000	82	14°/-10°
21273	CF9DS/835/ECO	CFT9W/G23/835	G23	9	59	.180	580	520	10,000	82	14°/-10°
21270	CF9DS/841/ECO	CFT9W/G23/841	G23	9	59	.180	580	520	10,000	82	14°/-10°
21271	CF9DS/850/ECO	CFT9W/G23/850	G23	9	59	.180	580	520	10,000	82	14°/-10°
21136	CF13DS/827/ECO	CFT13W/GX23/827	GX23	13	59	.180	800	720	10,000	82	14°/-10°
21133	CF13DS/830/ECO	CFT13W/GX23/830	GX23	13	59	.180	800	720	10,000	82	14°/-10°
21137	CF13DS/835/ECO	CFT13W/GX23/835	GX23	13	59	.180	800	720	10,000	82	14°/-10°
21134	CF13DS/841/ECO	CFT13W/GX23/841	GX23	13	59	.180	800	720	10,000	82	14°/-10°
21135	CF13DS/850/ECO	CFT13W/GX23/850	GX23	13	59	.180	800	720	10,000	82	14°/-10°

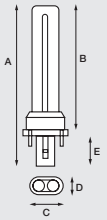
*Based on 3 hrs per start **At rated line voltage

Ordering Guide

CF	9	DS	/	8	27	/	ECO
Compact Fluorescent	Wattage: 5, 7, 9 and 13 watts	DULUX® Single		8 = 82 CRI	27 = 2700K 30 = 3000K 35 = 3500K 41 = 4100K 50 = 5000K		ECOLOGIC®

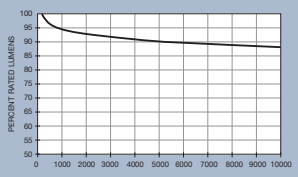
Lamp Dimensions

Ordering Abbreviation	(A) MOL [in (mm)]	(B) Max. Base Face to Top of Lamp [in (mm)]	(C) Max. Base Length [in (mm)]	(D) Max. Base Width [in (mm)]	(E) Max. Guide Post Length [in (mm)]
CF5DS	4.21 (107)	3.26 (83.0)	1.28 (32.5)	0.83 (21.0)	0.9 (23)
CF7DS	5.31 (135)	4.41 (112.0)	1.28 (32.5)	0.83 (21.0)	0.9 (23)
CF9DS	6.50 (165)	5.60 (142.0)	1.28 (32.5)	0.83 (21.0)	0.9 (23)
CF13DS	7.09 (180)	6.10 (155.0)	1.28 (32.5)	0.83 (21.0)	0.9 (23)

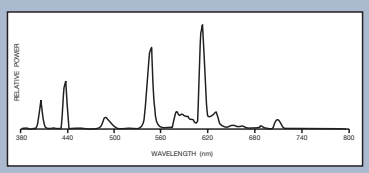


Technical Information

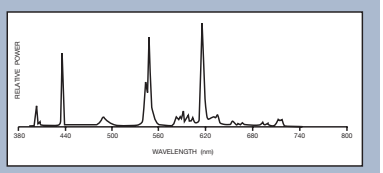
Lumen Maintenance Curve
DULUX S, S/E, D, D/E, T & T/E



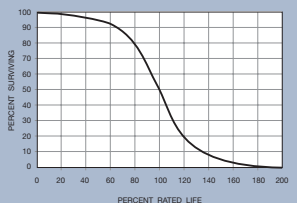
DULUX 827



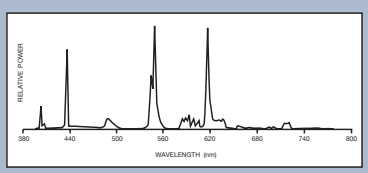
DULUX 830



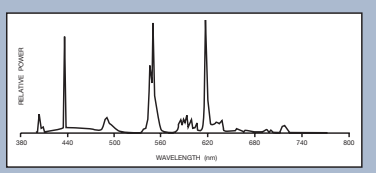
Typical Fluorescent Lamp Mortality



DULUX 835



DULUX 841



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Specifications subject to change without notice.

Specification Data

Fixture Description

Project/Job

SYLVANIA lamp

SYLVANIA ballast

Date

Type:

Sample Specification

Lamp(s) shall be (a) DULUX S ECOLOGIC (CF5/ECO, CF7/ECO, CF9/ECO, CF13/ECO) compact fluorescent 2-pin lamp(s). Lamp(s) shall have a correlated color temperature of (2700K, 3000K, 3500K, 4100K or 5000K). Lamp(s) shall be TCLP and RoHS compliant.

United States
OSRAM SYLVANIA
100 Endicott Street
Danvers, MA 01923

Trade
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

Display/Optic
Phone: 1-888-677-2627
Fax: 1-800-762-7192

SYLVANIA Lighting Services
Phone: 1-800-323-0572
Fax: 1-800-537-0784

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

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

OEM/Special Markets/Display/Optic
Phone: 1-800-265-2852
Fax: 1-800-667-6772

SYLVANIA Lighting Services
Phone: 1-800-663-4268
Fax: 1-866-239-1278

Mexico
OSRAM MEXICO
Headquarters
Tultitlan/Edo de Mexico
011-52-55-58-99-18-50

www.sylvania.com

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