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

ECOLOGIC®

RoHS compliant
This light source meets restrictions on hazardous substances.

LEAD-FREE

TRUSTED NLB NATIONAL LIGHTING BUREAU WARRANTY

Product Offering

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

SYLVANIA

Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

CF	XX	DS	/	8	XX	/	ECO	/	BL1
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®		Packaging BL1 = Blister Card 1EA

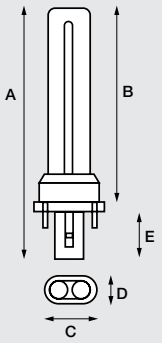
Ordering Information

Item Number	Ordering Abbreviation	NEMA Generic Designation	Base	Watts	Volts	Amps	Initial Lumens	Mean Lumens	Avg. Rated Life (hrs.)[1]	CRI	Min. Starting Temp. (F/C)[2]
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	600	540	10,000	82	14°/-10°
21273	CF9DS/835/ECO	CFT9W/G23/835	G23	9	59	.180	600	540	10,000	82	14°/-10°
21270	CF9DS/841/ECO	CFT9W/G23/841	G23	9	59	.180	600	540	10,000	82	14°/-10°
21271	CF9DS/850/ECO	CFT9W/G23/850	G23	9	59	.180	600	540	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°
20403	CF13DS/841/ECO/BL1	CFT13W/GX23/841	GX23	13	59	.180	800	720	10,000	82	14°/-10°

1. Based on 3 hours per start.
2. At rated line voltage.

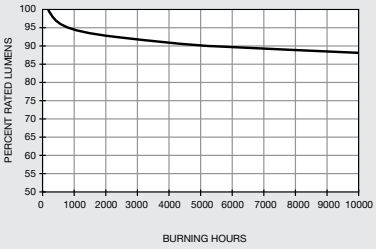
Lamp Dimensions

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	6.3 (160)	5.3 (135.4)	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)

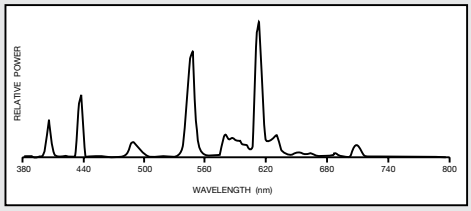


Technical Information

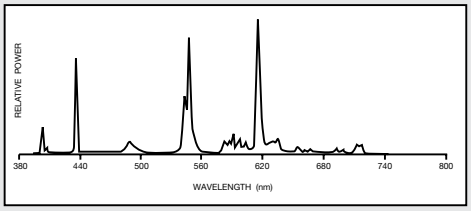
Lumen Maintenance Curve
DULUX S, S/E, D, D/E, T & T/E



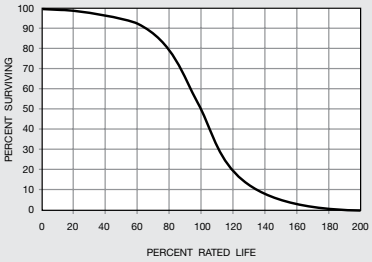
DULUX 827



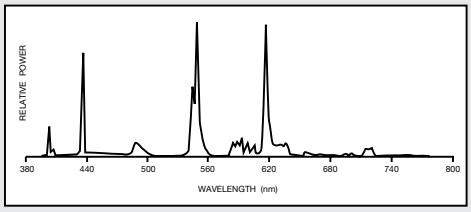
DULUX 830



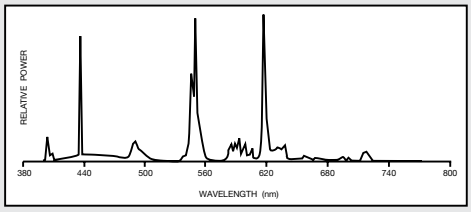
Typical Fluorescent Lamp Mortality



DULUX 835



DULUX 841



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.

LEDVANCE LLC
181 Ballardvale Street, Suite 203
Wilmington, MA 01887 USA
Phone 1-800-544-4828
LEDVANCE.COM/EN-US

SYLVANIA and LEDVANCE are registered trademarks.
All other trademarks are those of their respective owners.
Licensee of product trademark SYLVANIA in general lighting.
Specifications subject to change without notice.

© 2026 LEDVANCE LLC