

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.

Application Information

Applications

- Down lights
- Exit signs
- Surface mounted fixtures
- Task lighting
- Wall sconces

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.



This light source meets restrictions on hazardous substances.



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 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.



Specification Data

| | |
|------------------|------|
| Catalog # | Type |
| Project/Job | |
| SYLVANIA Lamp | |
| SYLVANIA Ballast | |
| Prepared by | |

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° |

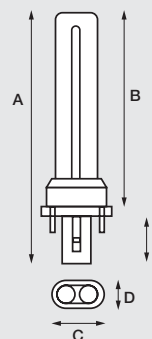
1. Based on 3 hours per start.
2. At rated line voltage.

Ordering Guide

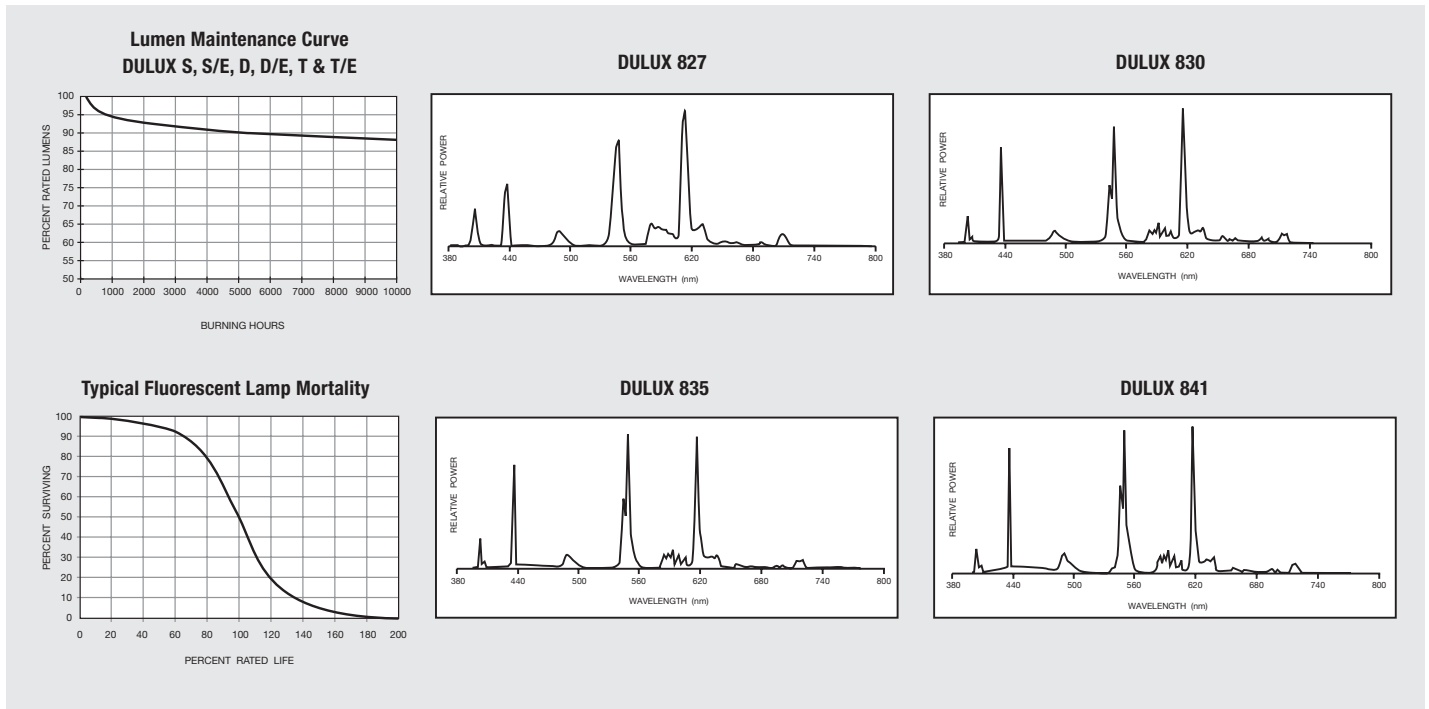
| | | | | | | | |
|---------------------|-------------------------------------|------------------|----------|------------|--------------------------------------------------------------------|----------|------------|
| CF | 9 | DS | / | 8 | 27 | / | ECO |
| Compact Fluorescent | Wattage: 5, 7, 9 and 13 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 | 7.09 (180) | 6.10 (155.0) | 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



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
200 Ballardvale Street
Wilmington, MA 01887 USA
Phone 1-800-LIGHTBULB (1-800-544-4828)
www.sylvania.com

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