SYLVANIA DULUX D ECOLOGIC® lamps are long-life, energy-saving alternatives for incandescent lamps. When paired with SYLVANIA ECOLOGIC linear fluorescent lamps, all the fluorescent lamps in an installation will be TCLP compliant.

More compact than the DULUX S ECOLOGIC lamps, the 9 and 13 Watt DULUX D ECOLOGIC lamps are ideal for retrofitting existing fixtures and for use in dedicated, energy-saving fixtures where a small overall length is required.

DULUX D ECOLOGIC 18 and 26 Watt lamps are used in dedicated fixture designs where high light output and maximum energy efficiency are required. They may also be used for retrofitting existing fixtures.

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### System Comparison

**Compact Fluorescent vs Incandescent**

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Rated Lamp Life</th>
<th>Ballast Factor</th>
<th>System Lumens</th>
<th>System Wattage</th>
<th>System LPW</th>
<th>Energy Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 Watt DULUX D ECOLOGIC</td>
<td>10,000 hours</td>
<td>.93</td>
<td>1674</td>
<td>33</td>
<td>51</td>
<td>67%</td>
</tr>
<tr>
<td>100 Watt Incandescent</td>
<td>750 hours</td>
<td>1.0</td>
<td>1710</td>
<td>100</td>
<td>17.1</td>
<td>—</td>
</tr>
</tbody>
</table>

### Application Information

**Applications**
- Down lights
- Exit signs
- Recessed ceiling fixtures
- Showcase lighting
- 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 Guide

<table>
<thead>
<tr>
<th>CF</th>
<th>26</th>
<th>DD</th>
<th>/</th>
<th>8</th>
<th>35</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact</td>
<td>Wattage:</td>
<td>DULUX</td>
<td>Double</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9, 13, 18 or 26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Lamp Dimensions

<table>
<thead>
<tr>
<th>Ordering Abbreviation</th>
<th>(A) Max. Overall Length [in (mm)]</th>
<th>(B) Base Face to Top of Lamp [in (mm)]</th>
<th>(C) Guide Post Length [in (mm)]</th>
<th>(D) Max. Base Length [in (mm)]</th>
<th>(E) Max. Base Width [in (mm)]</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF9DD</td>
<td>4.33 (110)</td>
<td>3.38 (86)</td>
<td>0.9 (23)</td>
<td>1.38 (35)</td>
<td>1.38 (35)</td>
</tr>
<tr>
<td>CF13DD</td>
<td>4.65 (118)</td>
<td>3.74 (95)</td>
<td>0.9 (23)</td>
<td>1.38 (35)</td>
<td>1.38 (35)</td>
</tr>
<tr>
<td>CF18DD</td>
<td>6.02 (153)</td>
<td>5.12 (130)</td>
<td>0.9 (23)</td>
<td>1.38 (35)</td>
<td>1.38 (35)</td>
</tr>
<tr>
<td>CF26DD</td>
<td>6.81 (173)</td>
<td>5.87 (149)</td>
<td>0.9 (23)</td>
<td>1.38 (35)</td>
<td>1.38 (35)</td>
</tr>
</tbody>
</table>

T4 diameter glass tubing = 0.5 inches (12.7mm)
Lamps shall be (a) DULUX® ECOLOGIC® (CF9DD, CF13DD, CF18DD or CF26DD) lamps and shall pass existing Federal TCLP limits. Lamps shall have an average rated life of 10,000 hours, a correlated color temperature of (2700K, 3000K, 3500K or 4100K) and a CRI of 82. Lamps shall have a (G23-2, GX23-2, G24d-2, G24q-3) plug-in base with integrated starter and interference suppressor.

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