

## DULUX® L ECOLOGIC® T5 Compact Fluorescent Lamps



SYLVANIA DULUX® L T5 lamps are high lumen, single-ended twin-tube lamps that provide lumen outputs similar to 2', 3' and 4' linear fluorescent lamps, yet are half the length. With lumen outputs up to 6000 and lamp efficacies up to 87 lumens per watt, these compact lamps can be used in indirect as well as direct applications.

QUICKTRONIC® ballasts are available to operate FT24DL, FT36DL, FT40DL/RS, FT55DL and FT80DL lamps. The QUICKSENSE® circuitry in these ballasts provides the end-of-life protection required by NEMA\* for these lamps. The QUICK 60+® warranty program applies to DULUX L lamp/ QUICKTRONIC® ballasts installations.

\*NEMA: National Electrical Manufacturers Association

### Key Features & Benefits

- High lumen single-ended twin-tube lamps
- 18 through 80 Watts
- 2' x 2' fixture provides equal lumen output to a 2' x 4' fixture
- 50, 55 & 80 Watt lamps provide high lumen output for indirect and higher mounting height applications
- 3000K, 3500K, 4100K
- Excellent color rendition, CRI of 82
- Operate on QUICKTRONIC® systems with QUICKSENSE circuitry
- Passes Federal TCLP tests



### Product Offering

| Lamp Type | Watts | Lumens |
|-----------|-------|--------|
| FT18DL    | 18    | 1250   |
| FT18DL/RS | 18    | 1250   |
| FT24DL    | 24/27 | 1800   |
| FT36DL    | 36/39 | 2900   |
| FT40DL/RS | 40    | 3150   |
| FT50DL/RS | 50    | 4300   |
| FT55DL    | 55    | 4800   |
| FT80DL    | 80    | 6000   |

### Application Information

#### Applications

Recessed and surface mounted fixtures  
Indirect fixtures  
Wall sconces, wall washing fixtures  
Stage and set lighting  
Sign lighting  
Portable sports lighting  
Task lighting  
Landscape lighting

#### Application Notes

1. The FT18DL and FT18DL/RS lamps are not electrically interchangeable.
2. The FT24DL, FT36DL, FT40DL/RS, FT50DL/RS and FT55DL lamps: various methods of operation (preheat, rapid start, instant start, programmed start) possible.
3. FT80DL designed for high frequency rapid start, programmed rapid start and dimming ballasts.
4. Lamp life may vary with method of operation.
5. FT24DL: 27W on RS ballasts
6. FT36DL: 39W on RS ballasts



## System Comparison

| Lamp Type         | No. of Lamps | System Watts | Ballast Factor | System Lumens | Mean System Lumens | Mean LPW |
|-------------------|--------------|--------------|----------------|---------------|--------------------|----------|
| FB40/CW/SS ES MAG | 2            | 72           | .88            | 4576          | 3890               | 54       |
| FB40/700 Std. MAG | 2            | 96           | .95            | 5795          | 5100               | 53       |
| FB40/700 ES MAG   | 2            | 86           | .95            | 5795          | 5216               | 61       |
| FB031/800 IS      | 3            | 84           | .90            | 7358          | 6769               | 81       |
| FB031/800 PLUS    | 3            | 109          | 1.18           | 9647          | 8875               | 81       |
| FT40DL/800 40DL   | 3            | 110          | .96            | 9072          | 8165               | 74       |

## Ordering Information

| Item Number | Ordering Abbreviation | Watts | Volts | Lumens | Avg. Rated Life (hrs.) | Color Temp. | CRI | Base |
|-------------|-----------------------|-------|-------|--------|------------------------|-------------|-----|------|
| 20587       | FT18DL/830/ECO        | 18    | 61    | 1250   | 12,000                 | 3000K       | 82  | 2G11 |
| 20588       | FT18DL/835/ECO        | 18    | 61    | 1250   | 12,000                 | 3500K       | 82  | 2G11 |
| 20589       | FT18DL/841/ECO        | 18    | 61    | 1250   | 12,000                 | 4100K       | 82  | 2G11 |
| 20595       | FT18DL/830/RS/ECO     | 18    | 76    | 1250   | 20,000                 | 3000K       | 82  | 2G11 |
| 20594       | FT18DL/835/RS/ECO     | 18    | 76    | 1250   | 20,000                 | 3500K       | 82  | 2G11 |
| 20593       | FT18DL/841/RS/ECO     | 18    | 76    | 1250   | 20,000                 | 4100K       | 82  | 2G11 |
| 20597       | FT24DL/830/ECO        | 24    | 91    | 1800   | 12,000                 | 3000K       | 82  | 2G11 |
| 20580       | FT24DL/835/ECO        | 24    | 91    | 1800   | 12,000                 | 3500K       | 82  | 2G11 |
| 20596       | FT24DL/841/ECO        | 24    | 91    | 1800   | 12,000                 | 4100K       | 82  | 2G11 |
| 20581       | FT36DL/830/ECO        | 36    | 112   | 2900   | 12,000                 | 3000K       | 82  | 2G11 |
| 20582       | FT36DL/835/ECO        | 36    | 112   | 2900   | 12,000                 | 3500K       | 82  | 2G11 |
| 20583       | FT36DL/841/ECO        | 36    | 112   | 2900   | 12,000                 | 4100K       | 82  | 2G11 |
| 20584       | FT40DL/830/RS/ECO     | 40    | 152** | 3150   | 20,000*                | 3000K       | 82  | 2G11 |
| 20585       | FT40DL/835/RS/ECO     | 40    | 152** | 3150   | 20,000*                | 3500K       | 82  | 2G11 |
| 20586       | FT40DL/841/RS/ECO     | 40    | 152** | 3150   | 20,000*                | 4100K       | 82  | 2G11 |
| 20576       | FT40DL/850/RS/ECO     | 40    | 152** | 3150   | 20,000*                | 5000K       | 82  | 2G11 |
| 20280       | FT50DL/830/RS/ECO     | 50    | 123   | 4300   | 14,000                 | 3000K       | 82  | 2G11 |
| 20278       | FT50DL/835/RS/ECO     | 50    | 123   | 4300   | 14,000                 | 3500K       | 82  | 2G11 |
| 20276       | FT50DL/841/RS/ECO     | 50    | 123   | 4300   | 14,000                 | 4100K       | 82  | 2G11 |
| 20590       | FT55DL/830/ECO        | 55    | 100   | 4800   | 12,000                 | 3000K       | 82  | 2G11 |
| 20591       | FT55DL/835/ECO        | 55    | 100   | 4800   | 12,000                 | 3500K       | 82  | 2G11 |
| 20592       | FT55DL/841/ECO        | 55    | 100   | 4800   | 12,000                 | 4100K       | 82  | 2G11 |
| 20572       | FT80DL/830/ECO        | 80    | 145** | 6000   | 12,000                 | 3000K       | 82  | 2G11 |
| 20622       | FT80DL/835/ECO        | 80    | 145** | 6000   | 12,000                 | 3500K       | 82  | 2G11 |
| 20624       | FT80DL/841/ECO        | 80    | 145** | 6000   | 12,000                 | 4100K       | 82  | 2G11 |

\* Avg. Rated Life on instant start ballast = 15,000 hrs.

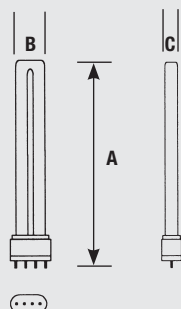
\*\* At rated line voltage and nominal lamp current at 25kHz

## Ordering Guide

| FT                  | 40                                        | DL            | / | 8      | 35                                           | / | RS             |
|---------------------|-------------------------------------------|---------------|---|--------|----------------------------------------------|---|----------------|
| Fluorescent Tubular | Wattage:<br>18, 24, 36, 40<br>50, 55 & 80 | DULUX<br>Long |   | 82 CRI | 30=3000K<br>35=3500K<br>41=4100K<br>50=5000K |   | Rapid<br>Start |

## Lamp Dimensions

| Ordering Abbreviation | (A) MOL in. (mm) | (B) Diameter in. (mm) | (C) Base Width in. (mm) |
|-----------------------|------------------|-----------------------|-------------------------|
| FT18DL                | 9.0 (225.0)      | 1.6 (40.0)            | 0.8 (20)                |
| FT18DL/RS             | 10.5 (268.0)     | 1.6 (40.0)            | 0.8 (20)                |
| FT24DL                | 12.9 (320.0)     | 1.6 (40.0)            | 0.8 (20)                |
| FT36DL                | 16.6 (415.0)     | 1.6 (40.0)            | 0.8 (20)                |
| FT40DL                | 22.4 (570.0)     | 1.6 (40.0)            | 0.8 (20)                |
| FT50DL                | 22.6 (570.0)     | 1.6 (40.0)            | 0.8 (20)                |
| FT55DL                | 21.1 (535.0)     | 1.6 (40.0)            | 0.8 (20)                |
| FT80DL                | 22.6 (570.0)     | 1.6 (40.0)            | 0.8 (20)                |



## Specification Data

Catalog #

Type

Project

Comments

Prepared by

Date

## Sample Specification

Lamp(s) shall be DULUX L T5 lamp(s).  
Lamp(s) shall have a correlated color temperature of (3000K, 3500K, 4100K, 5000K) and a CRI of 82. The DULUX L T5 (24, 36, 40, 55, 80) shall be operated on QUICKTRONIC electronic high frequency (System PHO 39/24, System 40DL, System PHO 54, System PHO80) ballasts with QUICKSENSE circuitry. The manufacturer shall provide a complete system warranty covering lamps and ballasts.

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