

## 28W DULUX® L SUPERSAVER® ECOLOGIC® T5 Compact Fluorescent Lamps



SYLVANIA DULUX L SUPERSAVER lamps are high-lumen, single-ended twin-tube lamps that provide lumen output similar to 4' linear fluorescent lamps, yet are half the length. With up to 2800 lumens and lamp efficacy up to 100 lumens per watt, these compact fluorescent lamps can be used in both direct and indirect lighting applications.

QUICKTRONIC® high efficiency ballasts are available to operate FT40DL/28W/SS and FT40DL lamps. The QUICKSENSE® circuitry in these ballasts provides the end-of-life protection required by NEMA<sup>1</sup> for these lamps. The QUICK 60+® warranty program applies to DULUX L lamp/QUICKTRONIC ballast installations.

1. NEMA: National Electrical Manufacturers Association

### Key Features & Benefits

#### Key Lamp Features

- Direct high-efficiency replacement for 40W DULUX L
  - 30% energy savings
  - Similar fixture light output
- High efficacy single-ended twin-tube lamps (100 LPW)
- Passes Federal TCLP tests
- Provides improved fixture efficacy at typical ambient temperature within luminaire (35°C)
- High lumen maintenance: (90% at 40% of rated life)
- Available in 3000K, 3500K, 4100K
- Excellent color rendition, CRI of 82
- Operates on QUICKTRONIC systems with QUICKSENSE end-of-life circuitry
- 0°F starting temperature
- RoHS compliant

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

SYLVANIA DULUX L SUPERSAVER ECOLOGIC lamps pass the Federal Toxic Characteristic Leaching Procedure (TCLP<sup>1</sup>) criteria for classification as non-hazardous waste in most states.

<sup>1</sup> TCLP test results are based on NEMA LL Series standards and are available on request. (Regulations may vary, check your local and state regulations.)



### Product Offering

Lamp	Wattage	Lumens
FT40DL/28W/830/SS/ECO	28	2,800
FT40DL/28W/835/SS/ECO	28	2,800
FT40DL/28W/841/SS/ECO	28	2,800

### Application Information

#### Applications

- 2x2 fixtures
- Cove lights
- Landscape lighting
- Portable sports lighting
- Recessed and surface-mount fixtures
- Retail store lighting
- Signs
- Stage and set lighting
- Task lights
- Wall sconces
- Wall wash



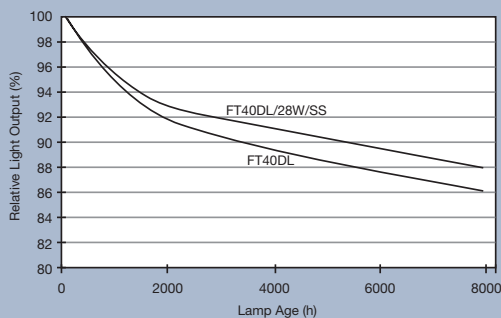
## Ordering Information

Number	Ordering Abbreviation	Watts	Lumens	Avg. Rated Life (hrs.)	CCT	CRI	Base
20518	FT40DL/28W/830/SS/ECO	28	2,800	20,000*	3000K	82	2G11
20519	FT40DL/28W/835/SS/ECO	28	2,800	20,000*	3500K	82	2G11
20488	FT40DL/28W/841/SS/ECO	28	2,800	20,000*	4100K	82	2G11

\* When operated on an Instant Start Ballast at 3 hours per start

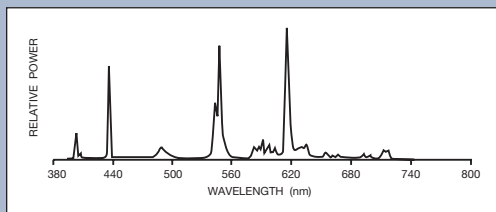
## Technical Information

Lumen Maintenance Comparison

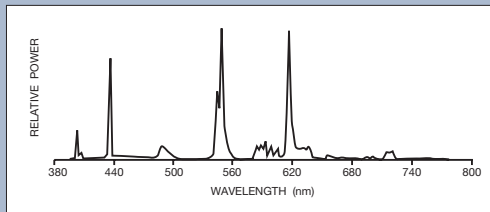


Spectral Power Distributions

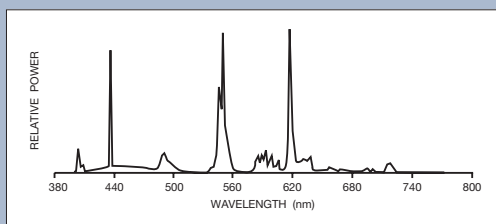
DULUX® 830



DULUX 835

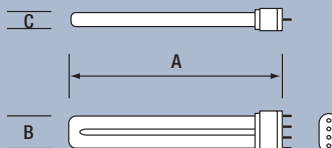


DULUX 841



## Lamp Dimensions

	(A) Max. Overall Length in. (mm)	(B) Width of Lamp in. (mm)	(C) Max. Bulb Diameter in. (mm)
FT40DL/28W/SS/ECO	22.4 (570.0)	1.6 (40.0)	0.8 (20.0)
FT40DL	22.4 (570.0)	1.6 (40.0)	0.8 (20.0)



For complete energy saving system details, refer to the Ballast Technology Applications & Specification Guide on [www.sylvania.com](http://www.sylvania.com)

## Specification Data

Catalog #

Type

Project

Comments

Prepared by

Date

## System Life/Warranty

QUICKTRONIC® products are covered by our QUICK 60+® warranty, a comprehensive lamp and ballast system warranty. For additional details, refer to our QUICK 60+ warranty bulletin.

## Specifications<sup>1</sup>

**Starting Method:** Instant or Programmed Start

**Circuit Type:** Parallel

**Lamp Frequency:** > 40KHz

**Lamp CCF:** Less than 1.7

**Starting Temp.:** 0°F minimum<sup>2</sup>

<sup>1</sup> Data based on FT40DL/28W/8xx/SS lamps.

See the SYLVANIA QUICKTRONIC Electronic Ballast Technology and Specification Guide (ECS-ELECTRONIC) for other system combinations.

<sup>2</sup> Operation below 50°F may affect light output or lamp operation – see “Low Temp. Starting” definition.

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