

28W DULUX® L SUPERSAVER® ECOLOGIC®

T5 Compact Fluorescent Lamps

For Operation on Instant Start Ballasts



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 Instant Start ballasts are available to operate FT40DL/28W/SS/IS and FT40DL lamps. The QUICKSENSE circuitry in these ballasts provides the end-of-life protection required by NEMA¹ for these lamps. The QUICK 60+[®] warranty program applies to DULUX L lamp/QUICKTRONIC ballast installations.

¹NEMA: National Electrical Manufacturers Association

Key Lamp Features

- Direct high-efficiency replacement for 40W DULUX L
 - 10% energy savings
 - Similar fixture light output
- High efficacy single-ended twin-tube lamps (100 LPW)
- Improved lumen maintenance (88% at 8000 hrs.)
- Passes Federal TCLP tests
- Provides improved fixture efficacy at typical ambient temperature within luminaire (35°C)
- Available in 3000K, 3500K, 4100K
- Excellent color rendition, CRI of 82
- Operates on QUICKTRONIC[®] systems with QUICKSENSE[®] circuitry



Key System Features

- QUICKSENSE ballast technology (end-of-lamp-life sensing)
- Energy savings up to 6% over standard electronic ballasts
- 0°F Starting
- High luminous efficacy
- Virtually eliminates lamp flicker
- Compatible with most powerline carrier systems
- Quiet operation
- High power factor
- Low harmonic distortion
- Low in-rush current
- Lightweight
- UL, CSA, FCC

Ordering and Specification Information

Item Number	Ordering Abbreviation	Watts	Lumens	Avg. Rated Life (hrs.)	Color Temperature	CRI	Base
20518	FT40DL/28W/830/SS/IS/ECO	28	2800	20,000*	3000K	82	2G11
20519	FT40DL/28W/835/SS/IS/ECO	28	2800	20,000*	3500K	82	2G11
20488	FT40DL/28W/841/SS/IS/ECO	28	2800	20,000*	4100K	82	2G11

* When operated on an Instant Start Ballast at 12 hours per start

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.

Specifications¹

Starting Method: Instant Start

Circuit Type: Parallel

Lamp Frequency: > 40KHz

Lamp CCF: Less than 1.7

Starting Temp.: 0°F minimum²

Input Frequency: 60 Hz

Low THD: < 10%

Power Factor: > 98%

Voltage Range: ±10% of Rated Input

UL Listed Class P, Type 1 Outdoor
 CSA Certified
 70°C Max Case Temperature
 FCC 47CFR Part 18 Non-Consumer
 Class A Sound Rating
 ANSI C62.41 Cat. A Transient Protection
 Remote Mounting up to 18 feet

¹ Data based on FT40DL/28W/8xx/SS/IS lamps. See the SYLVANIA QUICKTRONIC Electronic Ballast Technology and Specification Guide (ECS-ELECTRONIC) for other system combinations.

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

THE SYSTEM SOLUTION™ Technical Specifications

<10% THD High Efficiency Electronic TT5 Compact Fluorescent Systems

Item Number	Description	Input Voltage (VAC)	Input Current (AMPS)	Lamp ^{1,3} Type	Rated ² Lumens (lm)	No. of Lamps	Ballast Factor (BF)	System Lumens	Input Wattage (W)	System Efficacy (lm/W)
49429	QHE 2x40DL/UNV ISN-SC	120-277	0.60/0.26	FT40T5	3150	2	0.90	5670	68/67	83/84
				FT40DL/28W/SS/IS	2800	2	1.07	5990	64/63	94/95
49430	QHE 3x40DL/UNV ISN-SC	120-277	0.88/0.37	FT40T5	3150	3	0.90	8505	100/99	85/86
				FT40DL/28W/SS/IS	2800	3	1.07	8990	95/94	95/96

¹ Also compatible with other manufacturers' equivalent lamp types that meet ANSI standards.

² Rated lamp lumens and performance data based on DULUX® L40 and DL40/28W/SS/IS series lamps.

³ Ballast Factor based upon 225mA nominal lamp current for FT40DL lamp and 190mA nominal lamp current for FT40DL/28W/SS/IS lamp.

Lamp/Ballast Guide

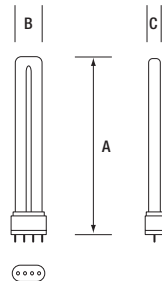
40W T5 - DULUX L	2-lamp	QHE2x40DL
	3-lamp	QHE3x40DL

Primary Lamp Type: FT40DL/28W/8XX/SS/IS

Ordering Guide

49429	QHE	2	x	40	DL	/	UNV	ISN	SC
Item Number	QUICKTRONIC High Efficiency	Number of Lamps (1, 2, 3)		Primary Lamp Wattage	System Type		Line Voltage (120-277)V	Starting/Ballast Factor	Can Size

Dimensions



	(A) MOL in. (mm)	(B) Width Of Lamp in. (mm)	(C) Max. Bulb Diam. in. (mm)
FT40DL/28W/SS/IS/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)

OSRAM SYLVANIA
 National Customer
 Service and Sales Center
 18725 N. Union Street
 Westfield, IN 46074

Industrial Commercial

Phone: 1-800-255-5042
 Fax: 1-800-255-5043

National Accounts

Phone: 1-800-562-4671
 Fax: 1-800-562-4674

OEM/Specialty Markets

Phone: 1-800-762-7191
 Fax: 1-800-762-7192

Display/Optic

Phone: 1-888-677-2627
 Fax: 1-800-762-7192

OSRAM SYLVANIA
 Ballast Division
 800 N. Church Street
 Lake Zurich, IL 60047

Phone: 1-800-654-0089
 Fax: 1-847-726-6424

In Canada
 OSRAM SYLVANIA LTD.
 Headquarters
 2001 Drew Road
 Mississauga, ON L5S 1S4

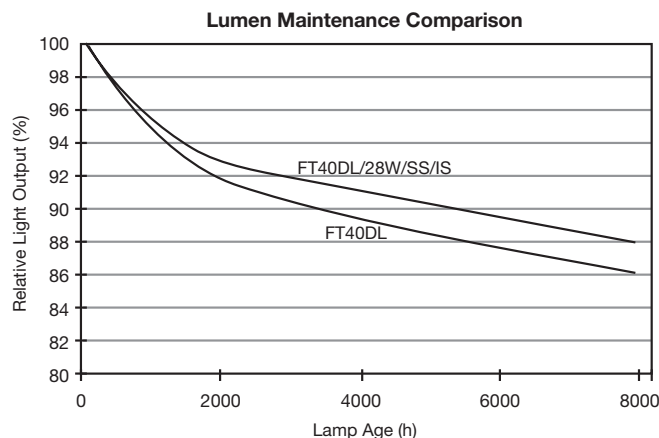
Industrial Commercial

Phone: 1-800-263-2852
 Fax: 1-800-667-6772

Special Markets

Phone: 1-800-265-2852
 Fax: 1-800-667-6772

Technical Information



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