DULUX® L ECOLOGIC®

T5 Compact Fluorescent Lamps



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

ECOLOGIC®

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

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
FBO31/800 IS	3	84	.90	7358	6769	81
FBO31/800 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

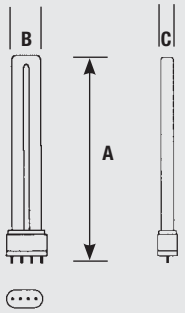
* Avg. Rated Life on instant start ballast = 15,000 hrs.
** At rated line voltage and nominal lamp current at 25kHz

Ordering Guide

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