

Headings in this catalog section

The following terms and descriptions can help you when checking Fluorescent lamp specifications and when ordering products. Within each product line, lamps are divided into families, within these

families, lamps are then listed by wattage, then bulb, and then by base. There are exceptions to this ordering among the specialty lamps listed.

Order Code:

It is important to use this five-digit code when ordering to ensure that you receive the exact product you require.

Nominal Length (in):

Lamp length including base and/or pins.

Watts:

Energy used (as defined by FTC Lamp Label Rules). To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000.

Bulb Shape:

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).

Base:
The type of base.

Case Quantity:

Number of product units packed in a case.

Description:
The lamp's identification code.

Rated Life - Hours:

Lamp burning hours to median life expectancy.

Mean Lumens:

Lamp light output at 40% of rated lamp life.

Initial Lumens:

Lamp light output after the initial 100 hours of operation.

Color Temperature Kelvins (K):

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value, the whiter or "cooler" the light appears.

Color Rendering Index (CRI or R_a):

An indication of the ability of the lamp to render object colors in a normal, natural way. The higher the number (0-100), the better the color appearance.

High Color Rendering:

Indicates that this is a lamp with high color rendering, which helps objects and persons illuminated to appear more true to life.

Meets Federal Minimum Efficiency Standards:

Means this lamp meets Federal Minimum Efficiency Standards.

Reduced Wattage:

Indicates that this is a reduced wattage option for lamps normally used in this application. Be sure to check wattage, lumens and life to determine which lamp is best suited to your needs.

Warning and Caution Notices:

See page 4-33 for more information.

Footnotes:
Related footnotes, see page 4-32

Additional Information:
Typical application and/or other important information.

Bulb Shape	Base	Watts	Nominal Length (in)	Order Code	Description	Case Qty.	Rated Life (3hr/Start)	Rated Life (12hr/Start)	Initial Lumens	Mean Lumens	Color Temp. K	CRI	High Color Rendering	Energy Savings	Reduced Wattage	Meets Federal Minimum Efficiency Standards	Footnotes	Warning and Caution Notices	Additional Information
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T5 Starcoat Ecolux® Lamps

High Efficiency

T5	Miniature Bi-Pin (G5)	14	21.6	31590	F14W/T5/830/ECO	40	30000	36000	1350	1240	3000	85					19	101	
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F 14W/T5/830 / ECO

Identifies as Fluorescent lamp.

Identifies either the lamp's wattage or its length in inches.

Identifies the lamp shape and the bulb diameter in eighths of an inch.

Identifies the lamp finish or color.

Identifies TCLP compliance.

WHEN YOU DON'T KNOW THE LAMP DESCRIPTION

1. Identify bulb shape by using table on page 4-3.
2. Measure bulb diameter using ruler in Appendix section page A-1 to determine width in eighths of an inch.
3. Identify base type using table on page 4-4.
4. Find your lamp in the table containing the bulb shape, size and base.



Bulb Shape	Base	Watts	Nominal Length (in)	Order Code	Description	Case Qty	Rated Life (3hr/Start)	Rated Life (12hr/Start)	Initial Lumens	Mean Lumens	Color Temp K	CRI	High Color Rendering	Energy Savings	Reduced Wattage	Meets Federal Minimum Efficiency Standards	Footnotes	Warning and Caution Notices	Additional Information
Ultra Energy Saving T8 Lamps (continued)																			
4' T8 Ecolux® 25 Watt Lamp																			
T8	Medium Bi-Pin (G13)	25	48.0	72128	F32T8/25W/SPX30/ECO	36	40000	46000	2500	2350	3000	85		\$		Ⓔ	1,18	101	
		25	48.0	72129	F32T8/25W/SPX35/ECO	36	40000	46000	2500	2350	3500	85		\$		Ⓔ	1,18	101	
		25	48.0	72130	F32T8/25W/SPX41/ECO	36	40000	46000	2500	2350	4100	85		\$		Ⓔ	1,18	101	
		25	48.0	72131	F32T8/25W/SPX50/ECO	36	40000	46000	2500	2350	5000	80		\$		Ⓔ	1,18	101	
4' T8 Ecolux® UltraMax® 28 Watt Lamp																			
T8	Medium Bi-Pin (G13)	28	48.0	72863	F28T8/XL/SPX30/ECO	36	36000	42000	2725	2562	3000	85		\$		Ⓔ	1,18	101	
		28	48.0	72864	F28T8/XL/SPX35/ECO	36	36000	42000	2725	2562	3500	85		\$		Ⓔ	1,18	101	
		28	48.0	72866	F28T8/XL/SPX41/ECO	36	36000	42000	2725	2562	4100	82		\$		Ⓔ	1,18	101	
		28	48.0	72867	F28T8/XL/SPX50/ECO	36	36000	42000	2625	2463	5000	80		\$		Ⓔ	1,18	101	
4' T8 Ecolux® Watt-Miser® 30 Watt Lamp																			
T8	Medium Bi-Pin (G13)	30	48.0	48277	F32T8/SP30/IS/WM/ECO	36	30000	36000	2850	2680	3000	84		\$		Ⓔ	1,18	101	
		30	48.0	48278	F32T8/SP35/IS/WM/ECO	36	30000	36000	2850	2680	3500	83		\$		Ⓔ	1,18	101	
		30	48.0	48279	F32T8/SP41/IS/WM/ECO	36	30000	36000	2850	2680	4100	81		\$		Ⓔ	1,18	101	
		30	48.0	11791	F32T8/SP50/IS/WM/ECO	36	30000	36000	2750	2585	5000	80		\$		Ⓔ	1,18	101	
4' T8 Ecolux® Watt-Miser® XL Extra-Life 30 Watt Lamp																			
T8	Medium Bi-Pin (G13)	30	48.0	48521	F32T8/XL/SP30/WM/ECO	36	36000	42000	2800	2635	3000	84		\$		Ⓔ	1,18	101	
		30	48.0	48522	F32T8/XL/SP35/WM/ECO	36	36000	42000	2800	2635	3500	83		\$		Ⓔ	1,18	101	
		30	48.0	48523	F32T8/XL/SP41/WM/ECO	36	36000	42000	2800	2635	4100	81		\$		Ⓔ	1,18	101	
		30	48.0	42553	F32T8/XL/SP50/WM/ECO	36	36000	42000	2700	2540	5000	80		\$		Ⓔ	1,18	101	
4' T8 Ecolux® High Lumen																			
T8	Medium Bi-Pin (G13)	32	48.0	10327	F32T8/XL/SPX30/HL/ECO	36	36000	42000	3100	2915	3000	85		\$		Ⓔ	18	101	
		32	48.0	10326	F32T8/XL/SPX35/HL/ECO	36	36000	42000	3100	2915	3500	85		\$		Ⓔ	18	101	
		32	48.0	10322	F32T8/XL/SPX41/HL/ECO	36	36000	42000	3100	2915	4100	82		\$		Ⓔ	18	101	
		32	48.0	42556	F32T8/XL/SPX50/HL/ECO	36	36000	42000	3000	2820	5000	80		\$		Ⓔ	18	101	
8' T8 Lamps																			
8' T8																			
T8	Single Pin (Fa8)	59	96.0	23407	F96T8/SP30	24	15000	20000	5800	5500	3000	78				Ⓔ		101	
		59	96.0	23411	F96T8/SP35	24	15000	20000	5800	5500	3500	78				Ⓔ		101	
		59	96.0	23412	F96T8/SP41	24	15000	20000	5800	5500	4100	78				Ⓔ		101	
		59	96.0	23414	F96T8/SPX30	24	15000	20000	5950	5650	3000	86				Ⓔ		101	
		59	96.0	23415	F96T8/SPX35	24	15000	20000	5950	5650	3500	86				Ⓔ		101	
		59	96.0	23416	F96T8/SPX41	24	15000	20000	5950	5650	4100	86				Ⓔ		101	
		59	96.0	23575	F96T8/SPX50	24	15000	20000	5950	5650	5000	86				Ⓔ		101	
8' T8 Ecolux®																			
T8	Single Pin (Fa8)	59	96.0	28105	F96T8/SP30/ECO	24	15000	20000	5700	5130	3000	75				Ⓔ		101	
		59	96.0	28106	F96T8/SP35/ECO	24	15000	20000	5700	5130	3500	75				Ⓔ		101	
		59	96.0	28125	F96T8/SP41/ECO	24	15000	20000	5700	5130	4100	75				Ⓔ		101	
8' T8 XL Extra-Life																			
T8	Single Pin (Fa8)	59	96.0	41889	F96T8/XL/SP30	24	24000	30000	5800	5500	3000	78				Ⓔ		101	
		59	96.0	41890	F96T8/XL/SP35	24	24000	30000	5800	5500	3500	78				Ⓔ		101	
		59	96.0	41891	F96T8/XL/SP41	24	24000	30000	5800	5500	4100	78				Ⓔ		101	
		59	96.0	41892	F96T8/XL/SPX30	24	24000	30000	5950	5650	3000	86				Ⓔ		101	
		59	96.0	41893	F96T8/XL/SPX35	24	24000	30000	5950	5650	3500	86				Ⓔ		101	
		59	96.0	41894	F96T8/XL/SPX41	24	24000	30000	5950	5650	4100	86				Ⓔ		101	
		59	96.0	45497	F96T8/XL/SPX50	24	24000	30000	5950	5650	5000	86				Ⓔ		101	

Rated life for 2 ft through 4 ft Starcoat® Ecolux® Medium Bi-Pin T8 lamps is determined on programmed start ballasts. Life ratings are based on engineering data on programmed start ballasts with lamps cycled every 3 or 12 operating hours. Lamp life is approximately 35% longer @ 3 hour starts and 20% longer @ 12 hours starts with programmed start ballasts as compared to standard instant start ballasts (see chart on page 4-4).

For the most up-to-date product information, see www.gelighting.com. To convert inches to millimeters, multiply by 25.4.
All footnotes, warning and caution notices found at the end of this section (page 4-32).