

## 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.


**Initial Lumens:**  
Lamp light output after the initial 100 hours of operation.


**Mean Lumens:**  
Lamp light output at 40% of rated lamp life.

**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<sub>r</sub>):**  
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.

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

**Footnotes:**  
Related footnotes, see page 4-32

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	

## 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.



# Fluorescent Lamps

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	Foot-notes	Warning and Caution Notices	Additional Information	
<b>T8 Starcoat® Lamps (continued)</b>																				
<b>3' T8 Ecolux®</b>																				
T8	Medium Bi-Pin (G13)	25	36.0	45750	F25T8/SP30/ECO	24	20000	24000	2080	1970	3000	78	☺				18	101		
		25	36.0	45754	F25T8/SP35/ECO	24	20000	24000	2080	1970	3500	78	☺				18	101		
		25	36.0	45756	F25T8/SP41/ECO	24	20000	24000	2080	1970	4100	78	☺				18	101		
		25	36.0	45753	F25T8/SPX30/ECO	24	20000	24000	2150	2040	3000	86	☺				18	101		
		25	36.0	45755	F25T8/SPX35/ECO	24	20000	24000	2150	2040	3500	86	☺				18	101		
25	36.0	45757	F25T8/SPX41/ECO	24	20000	24000	2150	2040	4100	86	☺				18	101				
<b>3' T8 Ecolux® XL Extra-life</b>																				
T8	Medium Bi-Pin (G13)	25	36.0	15486	F25T8/XL/SP30/ECO	24	24000	29000	2080	1970	3000	78	☺				18	101		
		25	36.0	15487	F25T8/XL/SP35/ECO	24	24000	29000	2080	1970	3500	78	☺				18	101		
		25	36.0	15488	F25T8/XL/SP41/ECO	24	24000	29000	2080	1970	4100	78	☺				18	101		
		25	36.0	15489	F25T8/XL/SPX30/ECO	24	24000	29000	2150	2040	3000	86	☺				18	101		
		25	36.0	15490	F25T8/XL/SPX35/ECO	24	24000	29000	2150	2040	3500	86	☺				18	101		
		25	36.0	15491	F25T8/XL/SPX41/ECO	24	24000	29000	2150	2040	4100	86	☺				18	101		
		25	36.0	10416	F25T8/XL/SPX50/ECO	24	24000	29000	2050	1950	5000	86	☺				18	101		
25	36.0	16314	F25T8/XL/SPX65/ECO	24	24000	29000	1950	1755	6500	85	☺				18	101				
<b>4' T8 Ecolux®</b>																				
T8	Medium Bi-Pin (G13)	32	48.0	26666	F32T8/SP30/ECO	36	30000	36000	2800	2660	3000	78	☺				ⓔ	18	101	
		32	48.0	26667	F32T8/SP35/ECO	36	30000	36000	2800	2660	3500	78	☺				ⓔ	18	101	
		32	48.0	26668	F32T8/SP41/ECO	36	30000	36000	2800	2660	4100	78	☺				ⓔ	18	101	
		32	48.0	16090	F32T8/SP50/ECO	36	30000	36000	2750	2610	5000	78	☺				ⓔ	18	101	
		32	48.0	16091	F32T8/SP65/ECO	36	30000	36000	2700	2565	6500	78	☺				ⓔ	18	101	
		32	48.0	25611	F32T8/SPX30/ECO	36	30000	36000	2950	2800	3000	86	☺				ⓔ	18	101	
		32	48.0	25612	F32T8/SPX35/ECO	36	30000	36000	2950	2800	3500	86	☺				ⓔ	18	101	
		32	48.0	25613	F32T8/SPX41/ECO	36	30000	36000	2950	2800	4100	86	☺				ⓔ	18	101	
		32	48.0	42064	F32T8/SPX50/ECO	36	30000	36000	2800	2660	5000	86	☺				ⓔ	18	101	
<b>4' T8 Ecolux® XL Extra-life</b>																				
T8	Medium Bi-Pin (G13)	32	48.0	27616	F32T8/XL/SP30/ECO	36	36000	42000	2800	2660	3000	78	☺				ⓔ	18	101	
		32	48.0	27617	F32T8/XL/SP35/ECO	36	36000	42000	2800	2660	3500	78	☺				ⓔ	18	101	
		32	48.0	27618	F32T8/XL/SP41/ECO	36	36000	42000	2800	2660	4100	78	☺				ⓔ	18	101	
		32	48.0	27619	F32T8/XL/SPX30/ECO	36	36000	42000	2950	2800	3000	86	☺				ⓔ	18	101	
		32	48.0	27620	F32T8/XL/SPX35/ECO	36	36000	42000	2950	2800	3500	86	☺				ⓔ	18	101	
		32	48.0	27621	F32T8/XL/SPX41/ECO	36	36000	42000	2950	2800	4100	86	☺				ⓔ	18	101	
		32	48.0	16313	F32T8/XL/SPX50/ECO	36	36000	42000	2800	2660	5000	86	☺				ⓔ	18	101	
		32	48.0	16089	F32T8/XL/SPX65/ECO	36	36000	42000	2750	2475	6500	85	☺				ⓔ	18	101	
<b>4' T8 Ecolux® Super Long Life</b>																				
T8	Medium Bi-Pin (G13)	32	48.0	73093	F32T8/XL/SPX30/ECO	36	40000	46000	2850	2675	3000	84	☺				ⓔ	18	101	
		32	48.0	73094	F32T8/XL/SPX35/ECO	36	40000	46000	2850	2675	3500	83	☺				ⓔ	18	101	
		32	48.0	73095	F32T8/XL/SPX41/ECO	36	40000	46000	2850	2675	4100	81	☺				ⓔ	18	101	
		32	48.0	73096	F32T8/XL/SPX50/ECO	36	40000	46000	2800	2630	5000	80	☺				ⓔ	18	101	
<b>Ultra Energy Saving T8 Lamps</b>																				
<b>2' T8 Ecolux® Watt-Miser® 15 Watt Lamp</b>																				
T8	Medium Bi-Pin (G13)	15	24.0	72132	F17T8/XL/SPX30/WM/ECO	24	24000	29000	1200	1130	3000	85	☺	\$	↗		1,18	101		
		15	24.0	72133	F17T8/XL/SPX35/WM/ECO	24	24000	29000	1200	1130	3500	85	☺	\$	↗		1,18	101		
		15	24.0	72134	F17T8/XL/SPX41/WM/ECO	24	24000	29000	1200	1130	4100	82	☺	\$	↗		1,18	101		
		15	24.0	72135	F17T8/XL/SPX50/WM/ECO	24	24000	29000	1175	1105	5000	80	☺	\$	↗		1,18	101		
<b>3' T8 Ecolux® Watt-Miser® 22 Watt Lamp</b>																				
T8	Medium Bi-Pin (G13)	22	36.0	72136	F25T8/XL/SPX30/WM/ECO	24	24000	29000	1925	1810	3000	85	☺	\$	↗		1,18	101		
		22	36.0	72137	F25T8/XL/SPX35/WM/ECO	24	24000	29000	1925	1810	3500	85	☺	\$	↗		1,18	101		
		22	36.0	72138	F25T8/XL/SPX41/WM/ECO	24	24000	29000	1925	1810	4100	82	☺	\$	↗		1,18	101		
		22	36.0	72139	F25T8/XL/SPX50/WM/ECO	24	24000	29000	1900	1785	5000	80	☺	\$	↗		1,18	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](http://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).

## 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.

<b>Order Code:</b> It is important to use this five-digit code when ordering to ensure that you receive the exact product you require.	<b>Nominal Length (in):</b> Lamp length including base and/or pins.	<b>Watts:</b> Energy used (as defined by FTC Lamp Label Rules). To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000.	<b>Bulb Shape:</b> Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch).	<b>Base:</b> The type of base.	<b>Case Quantity:</b> Number of product units packed in a case.	<b>Description:</b> The lamp's identification code.	<b>Rated Life - Hours:</b> Lamp burning hours to median life expectancy.	<b>Initial Lumens:</b> Lamp light output after the initial 100 hours of operation.	<b>Mean Lumens:</b> Lamp light output at 40% of rated lamp life.	<b>Color Temperature Kelvins (K):</b> 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.	<b>Color Rendering Index (CRI or R<sub>1</sub>):</b> 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.	<b>High Color Rendering:</b> Indicates that this is a lamp with high color rendering, which helps objects and persons illuminated to appear more true to life.	<b>Meets Federal Minimum Efficiency Standards:</b> Means this lamp meets Federal Minimum Efficiency Standards.	<b>Reduced Wattage:</b> 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.	<b>Warning and Caution Notices:</b> See page 4-33 for more information.	<b>Additional Information:</b> Typical application and/or other important information.	<b>Footnotes:</b> Related footnotes, see page 4-32		
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

### 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	

## 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.



# Fluorescent Lamps

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	Foot-notes	Warning and Caution Notices	Additional Information	
<b>T8 Starcoat® Lamps (continued)</b>																				
<b>3' T8 Ecolux®</b>																				
T8	Medium Bi-Pin (G13)	25	36.0	45750	F25T8/SP30/ECO	24	20000	24000	2080	1970	3000	78	☺				18	101		
		25	36.0	45754	F25T8/SP35/ECO	24	20000	24000	2080	1970	3500	78	☺				18	101		
		25	36.0	45756	F25T8/SP41/ECO	24	20000	24000	2080	1970	4100	78	☺				18	101		
		25	36.0	45753	F25T8/SPX30/ECO	24	20000	24000	2150	2040	3000	86	☺				18	101		
		25	36.0	45755	F25T8/SPX35/ECO	24	20000	24000	2150	2040	3500	86	☺				18	101		
25	36.0	45757	F25T8/SPX41/ECO	24	20000	24000	2150	2040	4100	86	☺				18	101				
<b>3' T8 Ecolux® XL Extra-life</b>																				
T8	Medium Bi-Pin (G13)	25	36.0	15486	F25T8/XL/SP30/ECO	24	24000	29000	2080	1970	3000	78	☺				18	101		
		25	36.0	15487	F25T8/XL/SP35/ECO	24	24000	29000	2080	1970	3500	78	☺				18	101		
		25	36.0	15488	F25T8/XL/SP41/ECO	24	24000	29000	2080	1970	4100	78	☺				18	101		
		25	36.0	15489	F25T8/XL/SPX30/ECO	24	24000	29000	2150	2040	3000	86	☺				18	101		
		25	36.0	15490	F25T8/XL/SPX35/ECO	24	24000	29000	2150	2040	3500	86	☺				18	101		
		25	36.0	15491	F25T8/XL/SPX41/ECO	24	24000	29000	2150	2040	4100	86	☺				18	101		
		25	36.0	10416	F25T8/XL/SPX50/ECO	24	24000	29000	2050	1950	5000	86	☺				18	101		
25	36.0	16314	F25T8/XL/SPX65/ECO	24	24000	29000	1950	1755	6500	85	☺				18	101				
<b>4' T8 Ecolux®</b>																				
T8	Medium Bi-Pin (G13)	32	48.0	26666	F32T8/SP30/ECO	36	30000	36000	2800	2660	3000	78	☺				ⓔ	18	101	
		32	48.0	26667	F32T8/SP35/ECO	36	30000	36000	2800	2660	3500	78	☺				ⓔ	18	101	
		32	48.0	26668	F32T8/SP41/ECO	36	30000	36000	2800	2660	4100	78	☺				ⓔ	18	101	
		32	48.0	16090	F32T8/SP50/ECO	36	30000	36000	2750	2610	5000	78	☺				ⓔ	18	101	
		32	48.0	16091	F32T8/SP65/ECO	36	30000	36000	2700	2565	6500	78	☺				ⓔ	18	101	
		32	48.0	25611	F32T8/SPX30/ECO	36	30000	36000	2950	2800	3000	86	☺				ⓔ	18	101	
		32	48.0	25612	F32T8/SPX35/ECO	36	30000	36000	2950	2800	3500	86	☺				ⓔ	18	101	
		32	48.0	25613	F32T8/SPX41/ECO	36	30000	36000	2950	2800	4100	86	☺				ⓔ	18	101	
		32	48.0	42064	F32T8/SPX50/ECO	36	30000	36000	2800	2660	5000	86	☺				ⓔ	18	101	
<b>4' T8 Ecolux® XL Extra-life</b>																				
T8	Medium Bi-Pin (G13)	32	48.0	27616	F32T8/XL/SP30/ECO	36	36000	42000	2800	2660	3000	78	☺				ⓔ	18	101	
		32	48.0	27617	F32T8/XL/SP35/ECO	36	36000	42000	2800	2660	3500	78	☺				ⓔ	18	101	
		32	48.0	27618	F32T8/XL/SP41/ECO	36	36000	42000	2800	2660	4100	78	☺				ⓔ	18	101	
		32	48.0	27619	F32T8/XL/SPX30/ECO	36	36000	42000	2950	2800	3000	86	☺				ⓔ	18	101	
		32	48.0	27620	F32T8/XL/SPX35/ECO	36	36000	42000	2950	2800	3500	86	☺				ⓔ	18	101	
		32	48.0	27621	F32T8/XL/SPX41/ECO	36	36000	42000	2950	2800	4100	86	☺				ⓔ	18	101	
		32	48.0	16313	F32T8/XL/SPX50/ECO	36	36000	42000	2800	2660	5000	86	☺				ⓔ	18	101	
		32	48.0	16089	F32T8/XL/SPX65/ECO	36	36000	42000	2750	2475	6500	85	☺				ⓔ	18	101	
<b>4' T8 Ecolux® Super Long Life</b>																				
T8	Medium Bi-Pin (G13)	32	48.0	73093	F32T8/XL/SPX30/ECO	36	40000	46000	2850	2675	3000	84	☺				ⓔ	18	101	
		32	48.0	73094	F32T8/XL/SPX35/ECO	36	40000	46000	2850	2675	3500	83	☺				ⓔ	18	101	
		32	48.0	73095	F32T8/XL/SPX41/ECO	36	40000	46000	2850	2675	4100	81	☺				ⓔ	18	101	
		32	48.0	73096	F32T8/XL/SPX50/ECO	36	40000	46000	2800	2630	5000	80	☺				ⓔ	18	101	
<b>Ultra Energy Saving T8 Lamps</b>																				
<b>2' T8 Ecolux® Watt-Miser® 15 Watt Lamp</b>																				
T8	Medium Bi-Pin (G13)	15	24.0	72132	F17T8/XL/SPX30/WM/ECO	24	24000	29000	1200	1130	3000	85	☺	\$	↗		1,18	101		
		15	24.0	72133	F17T8/XL/SPX35/WM/ECO	24	24000	29000	1200	1130	3500	85	☺	\$	↗		1,18	101		
		15	24.0	72134	F17T8/XL/SPX41/WM/ECO	24	24000	29000	1200	1130	4100	82	☺	\$	↗		1,18	101		
		15	24.0	72135	F17T8/XL/SPX50/WM/ECO	24	24000	29000	1175	1105	5000	80	☺	\$	↗		1,18	101		
<b>3' T8 Ecolux® Watt-Miser® 22 Watt Lamp</b>																				
T8	Medium Bi-Pin (G13)	22	36.0	72136	F25T8/XL/SPX30/WM/ECO	24	24000	29000	1925	1810	3000	85	☺	\$	↗		1,18	101		
		22	36.0	72137	F25T8/XL/SPX35/WM/ECO	24	24000	29000	1925	1810	3500	85	☺	\$	↗		1,18	101		
		22	36.0	72138	F25T8/XL/SPX41/WM/ECO	24	24000	29000	1925	1810	4100	82	☺	\$	↗		1,18	101		
		22	36.0	72139	F25T8/XL/SPX50/WM/ECO	24	24000	29000	1900	1785	5000	80	☺	\$	↗		1,18	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).