

Fluorescent Lamps

Product Information (continued)

GE T8 Mod-U-Line® U-Shaped Fluorescent Lamps (pg 4-12)

- Primarily used in 2x2 fixtures with prismatic or parabolic lenses
- Lower energy cost...36% energy cost savings vs. F40T12 U-Tubes
- New Watt-Miser® version saves even more money!
- Longer lamp life than T12 Mod-U-Line® – 20,000 hours
- 700 and 800 Series

GE 4' T12 Watt-Miser® Ecolux® Energy Saving Lamps (WM) (pg 4-13 to 4-15)

- Energy-saving replacement for all standard T12 fluorescent lamps
- 12% to 20% savings in energy costs vs. standard fluorescent with approximately 15% light loss
- TCLP compliant, lowering disposal costs where applicable (state and local regulations vary, consult your state EPA)

GE T12 High Output Lamps (pg 4-16 to 4-18)

- High light output and long life
- Produces about 45% more initial lumens than standard lamps of the same size
- Usually operated at 800mA

GE T12 Very High Output Lamps (pg 4-18)

- Where high light levels are required – factories, warehouses, gymnasiums, open areas
- Rapid Start, operated at 1500mA

covRguard® Shatter Resistant Fluorescent Lamps (pg 4-19 to 4-20)

- Polycarbonate shield effectively contains shattered glass particles if lamp is broken, protecting people, food and other valuable items
- UV-blocking properties guard against fading and UV degradation
- Available in a variety of colors for decorative and architectural applications
- The covRguard® feature is available on nearly all fluorescent lamps

GE Cold-Temperature Lamps (pg 4-23 to 4-24)

- Specifically designed for cold-temperature applications such as freezers and coolers, display cases and outdoor areas
- Available in T5, T8, T10 and T12 versions
- Rated nominal watts and initial lumens are peak values. Actual watt and lumen values may be somewhat lower in service, depending on ambient conditions.

GE Appliance Lamps (pg 4-24)

- Designed for intermittent service in appliances such as oven hoods and microwaves

GE Blacklight/Blacklight Blue Lamps (pgs 4-24 to 4-25)

- Blacklight (BL) lamps are commonly used in insect traps
- Blacklight Blue (BLB) lamps are often used decoratively in disco lighting and theatrical applications. These lamps are produced with a special dark blue glass that filters most visible light.

GE Gold Lamps (pg 4-25 to 4-26)

- Effectively blocks all UV emissions below 520nm
- Available in covRguard®
- Used in photo-sensitive applications such as semi-conductor assembly and darkrooms

GE Germicidal Lamps (pg 4-26)

- Clear lamps with special UV transmitting glass
- The 254nm radiation from appropriately designed and installed devices using the lamps can inactivate many forms of bacteria and other organisms
- Used in air, water and surface purification devices

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	

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 (hrs)	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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T12 Lamps (continued)**4' T12 Rapid Start (continued)****25W Ecolux® Utility Shoplight**

T12	Medium Bi-Pin (G13)	25	48.0	14450	F4825W/UTECOSLV	30	12000	1860	1675	4100	60					10	101	
		25	48.0	14456	F4825W/UTECOTWN	9	12000	1860	1675	4100	60					10	101	
		25	48.0	14445	F4825W/UTECOUPC	30	12000	1860	1675	4100	60					10	101	

T12 Mod-U-Line®**T12 3-5/8" Spacing**

T12	Medium Bi-Pin (G13)	40	22.5	15259	F40SP30/U/3	12	14000	2925	2660	3000	70				Ⓔ		102	
		40	22.5	14228	F40SP35/U/3	12	14000	2925	2660	3500	73				Ⓔ		102	
		40	22.5	15260	F40SP41/U/3	12	14000	2925	2660	4100	72				Ⓔ		102	
		40	22.5	14814	F40SPX30/U/3	12	14000	3000	2730	3000	82				Ⓔ		102	
		40	22.5	14813	F40SPX35/U/3	12	14000	3000	2730	3500	82				Ⓔ		102	
		40	22.5	14649	F40SCW/U/3	12	14000	2725	2400	4100	75				Ⓔ		102	Super Cool White

T12 6" Spacing

T12	Medium Bi-Pin (G13)	40	22.5	15263	F40SP30/U/6	12	14000	3050	2780	3000	70				Ⓔ		102	
		40	22.5	14227	F40SP35/U/6	12	14000	3050	2780	3500	73				Ⓔ		102	
		40	22.5	22050	F40SP35/U/6/UPC	12	14000	3050	2780	3500	73				Ⓔ		102	
		40	22.5	15265	F40SP41/U/6	12	14000	3050	2780	4100	72				Ⓔ		102	
		40	22.5	14816	F40SPX30/U/6	12	14000	3100	2820	3000	82				Ⓔ		102	
		40	22.5	14648	F40SCW/U/6	12	14000	2800	2460	4100	75				Ⓔ		102	Super Cool White
		40	22.5	25374	F40SCW/U/6/UPC/6P	6	14000	2800	2460	4100	75				Ⓔ		102	Super Cool White
		40	22.5	14815	F40SPX35/U/6	12	14000	3100	2820	3500	82				Ⓔ		102	
		40	22.5	14632	F40SWW/U/6	12	14000	2800	2460	3000	75				Ⓔ		102	Super Warm White

Watt-Miser® Energy Saving Lamps**T12 3-5/8" Spacing Watt-Miser®**

T12	Medium Bi-Pin (G13)	35	22.5	12199	F35CW/U/3/WM	12	14000	2200	2050	4100	60		\$	★	Ⓔ	1	102	
		35	22.5	12200	F35WW/U/3/WM	12	14000	2300	2100	3000	52		\$	★	Ⓔ	1	102	Warm White

T12 6" Spacing Watt-Miser®

T12	Medium Bi-Pin (G13)	35	22.5	12203	F35CW/U/6/WM	12	14000	2300	2100	4100	60		\$	★	Ⓔ	1	102	
		35	22.5	14471	F35CW/U/6/WM/UPC	12	14000	2300	2100	4100	60		\$	★	Ⓔ	1	102	
		35	22.5	23383	F35CW/U/6/WM/C	6	14000	2300	2100	4100	60		\$	★	Ⓔ	1	102	
		35	22.5	12207	F35WW/U/6/WM	12	14000	2350	2150	3000	52		\$	★	Ⓔ	1	102	Warm White

T12 6" Spacing Watt-Miser® Ecolux®

T12	Medium Bi-Pin (G13)	35	22.5	15622	F35CW/U/6/WM/ECO	12	18000	2600	2235	4100	62		\$	★	Ⓔ	1	102	
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T12 Instant Start

T12	Single Pin (Fa8)	20	24.0	10691	F24T12/CW	24	7500	1050	900	4100	60						101	
		30	36.0 cm	10709	F36T12/CW	24	7500	2000	1800	4100	60						101	
		35	42.0	10735	F42T12/CW	24	7500	2400	2210	4100	60						101	
		40	48.0	15262	F48T12/SP35	24	9000	3000	2820	3500	73						101	
		40	48.0	15088	F48T12/SPX30	24	9000	3050	2870	3000	82						101	
		40	48.0	15116	F48T12/SPX35	24	9000	3050	2870	3500	82						101	
		40	48.0	10748	F48T12/CW	24	9000	2875	2650	4100	60						101	
		40	48.0	20461	F48T12CW/UPC 6PK	24	9000	2875	2650	4100	60						101	

Watt-Miser® Energy Saving Lamps

T12	Single Pin (Fa8)	30	48.0	14319	F48T12/SP35/WM	24	9000	2575	2420	3500	73		\$	★		1	101	
		30	48.0	13048	F48T12/SP41/WM	24	9000	2575	2420	4100	72		\$	★		1	101	
		30	48.0	44967	F48T12/CW/WM	24	9000	2475	2400	4100	60		\$	★		1	101	

8' T12 Instant Start**8' Instant Start Standard**

T12	Single Pin (Fa8)	75	96.0	15357	F96T12SP30 15PK	15	12000	6500	6110	3000	70				Ⓔ		101	
		75	96.0	14067	F96T12SP35 15PK	15	12000	6500	6110	3500	73				Ⓔ		101	
		75	96.0	15358	F96T12/SP41 15PK	15	12000	6500	6110	4100	72				Ⓔ		101	
		75	96.0	12127	F96T12/SP65	15	12000	6125	5760	6500	75				Ⓔ		101	
		75	96.0	15110	F96T12SPX30 15PK	15	12000	6800	6390	3000	82				Ⓔ		101	
		75	96.0	15101	F96T12SPX35 15PK	15	12000	6800	6390	3500	82				Ⓔ		101	
		75	96.0	15335	F96T12SPX41 15PK	15	12000	6800	6390	4100	80				Ⓔ		101	
		75	96.0	23466	F96T12/SPX50	15	12000	6250	5880	5000	80				Ⓔ		101	
		75	96.0	14652	F96T12/DX	15	12000	4500	4050	6500	84				Ⓔ		101	Daylight Deluxe