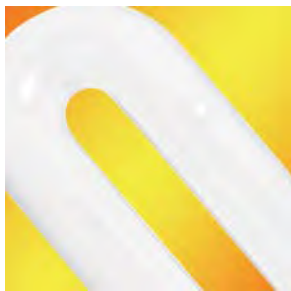
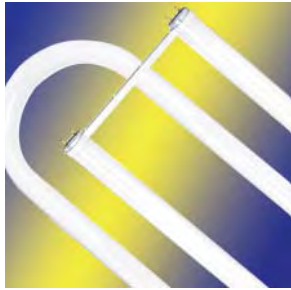


# Fluorescent





# Fluorescent Basics

## HOW IT WORKS

The glass tube of a fluorescent lamp is filled with a gas containing argon and mercury vapor. The interior wall of the tube is coated with a paint known as phosphor. At each end of the tube, electrodes send electrons through the gas causing it to emit ultraviolet light. As the ultraviolet light passes through the phosphor coating, it is converted into a longer frequency to create visible light. The glass tube of the bulb prevents the harmful UV rays from escaping. Fluorescent lamps are more efficient than incandescent lamps because less energy is converted to heat. Instead, most of the energy used creates visible light.

## Color Advancements

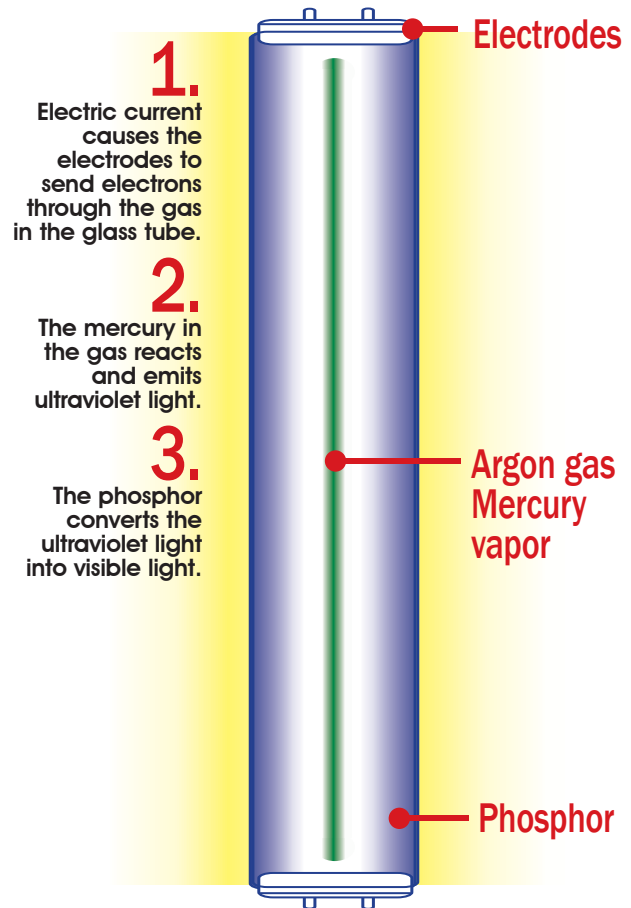
The phosphor coating on pioneer fluorescent lamps, called "halophosphate," was a single-color band phosphor that produced "cool white" light. This light resembles daylight, but it is weak in the green and red part of the spectrum and stronger on the yellows. This imbalance distorts visual perception of color, but for many years the cool white halophosphate fluorescent was the only choice available.

"Warm white" and "daylight" lamps improved color for fluorescents. These lamps also used halophosphate, but they were designed to achieve certain effects: "warm" to resemble incandescent light, and "daylight" to create an effect similar to natural light. Still, these lamps fell short in their ability to render colors accurately.

Full spectrum, natural and deluxe represent just a few lamp types that improved fluorescent color performance over the years. However, each type usually sacrifices light output.



<b>Color Temp</b>	Warm	Neutral	Cool	Daylight
<b>Kelvin Range</b>	300K	3500K	4100K	5000K
<b>Effect &amp; Mood</b>	Warm & Friendly	Inviting & Comfortable	Clean & Roganized	Bright & Alert
<b>Application</b>	Homes & Restaurants	Showrooms & Reception Offices	Office & Hospitals	Galleries & Jewelry Display

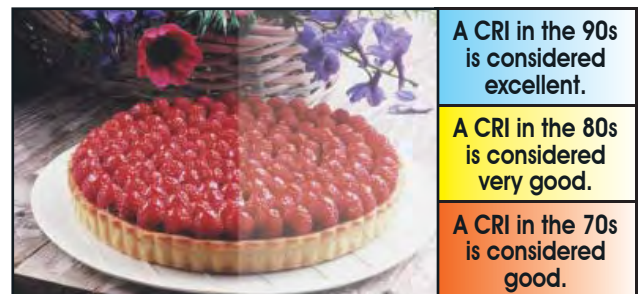


## Triphosphorous Lamps

Today's fluorescent lamps use a triphosphor coating containing specific color bands of red, green and blue. These lamps render colors much more accurately than their halophosphate counterparts.

The new generation of fluorescent products are rated by CRI (color rendering index) and by color temperature (in Kelvins). CRI rates a fluorescent lamp's ability to render color as accurately as incandescent light or natural daylight, with 100 representing the top of the scale.

Kelvin color temperature refers to the tone of the light. A lamp that produces light for example in the 2700K range is similar in color to an incandescent lamp: warm and inviting. Other color temperatures—3000K, 3500K, 4100K, 5000K and 6500K—are made to work in specific environments for mood and color matching.



## Technology to Watch: T5 Lamps

T5 linear lamps are the latest triphosphor lamps to take center stage. Their slim, 5/8-inch diameter and smaller ballasts have given product designers a fresh concept for approaching energy-efficient lighting.


T5 lamps are available in 14, 21, 28 and 35 watts and high-output versions come in 24-, 39-, 54-, and 80-watt models. Standard and high-output T5 lamps maintain more than 95 percent of their light output at 40 percent of their rated life (about 8,000 hours). Their improved phosphor coating reduces the mercury absorption and ensures a long, high-performance life. Compared to T8 lamps, which perform best at 77° F, T5 lamps work best at 95° F. So standard and high-output T5 lamps are well suited for enclosed fixture applications.

This new breed of T5 lamps cannot be interchanged with T8 lamps or operated on a T8 ballast. Many new lighting systems have been designed specifically for the T5, which improves optical control due to the smaller size of the lamp. The T5's high efficacy means that fewer lamps are required and its improved lumen maintenance results in fewer relampings.



## Special Application Products

# At Your Disposal



Although fluorescent lamps contain mercury, the amount in a single bulb is too small to require special handling by federal disposal standards. However, a few states and localities prohibit fluorescent lamps from being thrown out with household trash. Consult your local waste disposal officials for regulations in your area. Or visit [www.lamprecycle.org](http://www.lamprecycle.org) for Web links to individual state rules. Many cities offer recycling facilities for the mercury and glass tubes of fluorescent lamps. Visit [www.earth911.org](http://www.earth911.org) to find your closest lamp recycling facility by zip code.

Since fluorescent lamps are widely used in commercial applications, there have been many special-use products made.

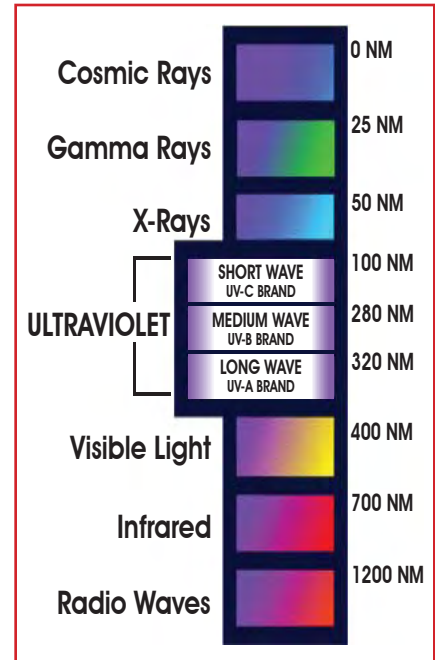
Cold weather lamps are made with heavier glass tubes and are filled with krypton gas. They work best in cold environments.

High Output (HO) and Very High Output (VHO) lamps are designed to be used with ballasts that supply a higher current arc within the tube.

The lamp and ballast combinations are usually just as efficient as standard fluorescent lamps.

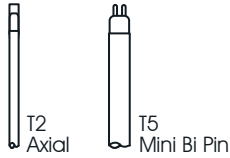
However, since they produce a higher lumen output, fewer lamps are needed. Typical uses are sign and display applications. Extra care is required in certain uses because these lamps emit higher amounts of UV than standard fluorescent lamps.

Fluorescent lamps, by the nature of their design, can be modified to perform at different wavelengths. These wavelengths, rated in nanometers, can be created/modified by a particular phosphor mix or no phosphors at all. Germicidal lamps, for example, use no phosphor and operate in the 253.7 nanometer range, emitting shortwave UV rays to kill germs in water filtration systems, air cleaners, etc.



Suntan fluorescent lamps are another UV light source, functioning in the 315 to 345 nanometer range. These lamps should be handled with care and used only as instructed. UV rays are harmful to the eyes and skin.

A few other types of special purpose lamps are black lights, plant lights and lamps for photocopiers. Each operates at a designated wavelength and may use a specific phosphor mix.



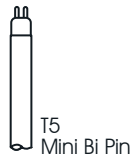
## T2 Subminiature Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
6		Axial	S6488 ▲	FM6/830	Warm	3000K	80	20	10000	330	8.6"	8.6"	5
			S2900 ▲	FM6/835	Neutral	3500K	80	20	10000	330	8.6"	8.6"	5
			S6489 ▲	FM6/841	Cool	4100K	80	20	10000	330	8.6"	8.6"	5
8		Axial	S6490 ▲	FM8/830	Warm	3000K	80	20	10000	540	12.6"	12.6"	5
			S2901 ▲	FM8/835	Neutral	3500K	80	20	10000	540	12.6"	12.6"	5
			S6491 ▲	FM8/841	Cool	4100K	80	20	10000	540	12.6"	12.6"	5
11		Axial	S6492 ▲	FM11/830	Warm	3000K	80	20	10000	750	16.6"	16.6"	5
			S2902 ▲	FM11/835	Neutral	3500K	80	20	10000	750	16.6"	16.6"	5
			S6493 ▲	FM11/841	Cool	4100K	80	20	10000	750	16.6"	16.6"	5
13		Axial	S6494 ▲	FM13/830	Warm	3000K	80	20	10000	930	20.6"	20.6"	5
			S2903 ▲	FM13/835	Neutral	3500K	80	20	10000	930	20.6"	20.6"	5
			S6495 ▲	FM13/841	Cool	4100K	80	20	10000	930	20.6"	20.6"	5





## T5 Preheat Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
4		Mini Bi Pin	S1900	F4T5/CW	Cool White	4100	60	20	5000	135	6"	5.91"	
			S2908	F4T5/D	Daylight	6500	75	20	5000	115	6"	5.91"	
			S2904	F4T5/BL	Black Light	n/a	n/a	20	5000	n/a	6"	5.91"	1
			S6405	F4T5/BLB	Blk Lt Blue	n/a	n/a	20	5000	n/a	6"	5.91"	2
6		Mini Bi Pin	S1902	F6T5/CW	Cool White	4200	62	20	5000	270	9"	8.91"	
			S2909	F6T5/D	Daylight	6500	76	20	5000	260	9"	8.91"	
			S2905	F6T5/BL	Black Light	n/a	n/a	20	5000	n/a	9"	8.91"	1
			S2907	F6T5/BLB	Blk Lt Blue	n/a	n/a	20	5000	n/a	9"	8.91"	2
8		Mini Bi Pin	S1905	F8T5/WW	Warm White	3000	52	20	5000	400	12"	11.91"	
			S1904	F8T5/CW	Cool White	4200	62	20	5000	390	12"	11.91"	
			S2910	F8T5/D	Daylight	6500	76	20	5000	350	12"	11.91"	
			S2906	F8T5/BL	Black Light	n/a	n/a	20	5000	n/a	12"	11.91"	1
			S6406	F8T5/BLB	Blk Lt Blue	n/a	n/a	20	5000	n/a	12"	11.91"	2
13		Mini Bi Pin	S1907	F13T5/WW	Warm White	3000	52	20	5000	880	21"	20.91"	
			S1906	F13T5/CW	Cool White	4200	62	20	5000	860	21"	20.91"	
			S2911	F13T5/D	Daylight	6500	76	20	5000	780	21"	20.91"	



# Fluorescent Lamps

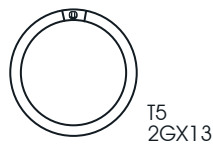
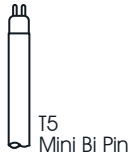


## T5 High Performance Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
14		Mini Bipin	S6425 ▲	FP14/830/ECO	Warm	3000	82	40	20000	1275	24"	22.2"	
			S6426 ▲	FP14/835/ECO	Neutral	3500	82	40	20000	1275	24"	22.2"	
			S6427 ▲	FP14/841/ECO	Cool	4100	82	40	20000	1275	24"	22.2"	
21		Mini Bipin	S6428 ▲	FP21/830/ECO	Warm	3000	82	40	20000	2000	36"	34"	
			S6429 ▲	FP21/835/ECO	Neutral	3500	82	40	20000	2000	36"	34"	
			S6430 ▲	FP21/841/ECO	Cool	4100	82	40	20000	2000	36"	34"	
28		Mini Bipin	S6431 ▲	FP28/830/ECO	Warm	3000	82	40	20000	2750	48"	45.8"	
			S6432 ▲	FP28/835/ECO	Neutral	3500	82	40	20000	2750	48"	45.8"	
			S6435 ▲	FP28/841/ECO	Cool	4100	82	40	20000	2750	48"	45.8"	
35		Mini Bipin	S6434 ▲	FP35/830/ECO	Warm	3000	82	40	20000	3425	60"	57.6"	
			S6435 ▲	FP35/835/ECO	Neutral	3500	82	40	20000	3425	60"	57.6"	
			S6436 ▲	FP35/841/ECO	Cool	4100	82	40	20000	3425	60"	57.6"	

## T5 HO High Performance Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
24		Mini Bipin	S6437 ▲	FP24/830/HO/ECO	Warm	3000	82	40	20000	1875	24"	22.2"	
			S6438 ▲	FP24/835/HO/ECO	Neutral	3500	82	40	20000	1875	24"	22.2"	
			S6439 ▲	FP24/841/HO/ECO	Cool	4100	82	40	20000	1875	24"	22.2"	
39		Mini Bipin	S6440 ▲	FP39/830/HO/ECO	Warm	3000	82	40	20000	3300	36"	34"	
			S6441 ▲	FP39/835/HO/ECO	Neutral	3500	82	40	20000	3300	36"	34"	
			S6442 ▲	FP39/841/HO/ECO	Cool	4100	82	40	20000	3300	36"	34"	
54		Mini Bipin	S6443 ▲	FP54/830/HO/ECO	Warm	3000	82	40	20000	4725	48"	45.8"	
			S6444 ▲	FP54/835/HO/ECO	Neutral	3500	82	40	20000	4725	48"	45.8"	
			S6445 ▲	FP54/841/HO/ECO	Cool	4100	82	40	20000	4725	48"	45.8"	
80		Mini Bipin	S6446 ▲	FP80/830/HO/ECO	Warm	3000	82	40	20000	6575	60"	57.6"	
			S6447 ▲	FP80/835/HO/ECO	Neutral	3500	82	40	20000	6575	60"	57.6"	
			S6448 ▲	FP80/841/HO/ECO	Cool	4100	82	40	20000	6575	60"	57.6"	



## T5 Circline High Performance Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Diameter	Notes
22	T5	2GX13	S2955 ▲	FPC22/830	Warm	3000	82	12	12000	1800	8"	
			S2956 ▲	FPC22/835	Neutral	3500	82	12	12000	1800	8"	
			S2957 ▲	FPC22/841	Cool	4100	82	12	12000	1800	8"	
40	T5	2GX13	S2958 ▲	FPC40/830	Warm	3000	82	12	12000	3200	12"	
			S2959 ▲	FPC40/835	Neutral	3500	82	12	12000	3200	12"	
			S2960 ▲	FPC40/841	Cool	4100	82	12	12000	3200	12"	
55	T5	2GX13	S2961 ▲	FPC55/830/HO	Warm	3000	82	12	12000	4000	16"	
			S2962 ▲	FPC55/835/HO	Neutral	3500	82	12	12000	4000	16"	
			S2963 ▲	FPC55/841/HO	Cool	4100	82	12	12000	4000	16"	

## T6 & T8 Instant Start Slimline Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
25	T6	Single Pin	S6470 ▲	F42T6/WW	Warm White	3000	52	24	7500	1825	42"	40"	
			S2929 ▲	F42T6/D35	Neutral	3500	70	24	7500	1830	42"	40"	
			S6471 ▲	F42T6/CW	Cool White	4200	62	24	7500	1750	42"	40"	
			S6591 ▲	F42T6/CW/TF	Cool White	4200	62	24	7500	1750	42"	40"	9
38	T6	Single Pin	S6473 ▲	F64T6/WW	Warm White	3000	52	24	7500	2900	64"	62"	
			S6474 ▲	F64T6/D35	Neutral	3500	70	24	7500	2930	64"	62"	
			S6475 ▲	F64T6/CW	Cool White	4200	62	24	7500	2800	64"	62"	
			S6592 ▲	F64T6/CW/TF	Cool White	4200	62	24	7500	2800	64"	62"	9
38	T8	Single Pin	S6477 ▲	F72T8/WW	Warm White	3000	52	24	7500	3100	72"	70"	
			S6478 ▲	F72T8/CW	Cool White	4200	62	24	7500	3050	72"	70"	
			S6476 ▲	F72T8/D	Daylight	6500	76	24	7500	2288	72"	70"	
51	T8	Single Pin	S2930 ▲	F96T8/CW	Cool White	4200	62	24	7500	4000	96"	94"	
			S2931 ▲	F96T8/D	Daylight	6500	76	24	7500	3550	96"	94"	

fluorescent lamps

# Fluorescent Lamps



T8  
Med Bi Pin

## T8 Preheat Lamps (Magnetic Ballast)

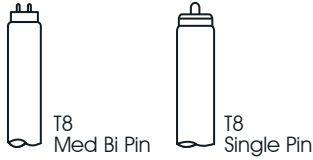
Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
15		Med Bi Pin	S6512 ▲	F15T8/WW	Warm White	3000	52	24	7500	845	18"	17.78"	
			S6510 ▲	F15T8/CW	Cool White	4100	62	24	7500	850	18"	17.78"	
			S6665 ■	F15T8/SUN	Full Spec	6250	94.5	6	12000	600	18"	17.78"	
			S6511 ▲	F15T8/D	Daylight	6500	76	24	7500	750	18"	17.78"	
			S4574 ■	F15T8/BL	Black Light	n/a	n/a	25	7500	n/a	18"	17.78"	1
			S6407 ■	F15T8/BLB	Blk Lt Blue	n/a	n/a	20	7500	n/a	18"	17.78"	2
18		Med Bi Pin	S6513 ▲	F18T8/CW/K24	Cool White	4100	62	24	7500	1035	24"	23.78"	3
			S6514 ▲	F18T8/CW/K26	Cool White	4100	62	24	7500	1079	26"	25.78"	3
			S6515 ▲	F18T8/CW/K28	Cool White	4100	62	24	7500	1131	28"	27.78"	3
			S6516 ▲	F18T8/CW/K30	Cool White	4100	62	24	7500	1200	30"	29.78"	3
30		Med Bi Pin	S6519 ▲	F30T8/WW	Warm White	3000	52	24	7500	2150	36"	35.78"	
			S6517 ▲	F30T8/CW	Cool White	4100	62	24	7500	1380	36"	35.78"	
			S6518 ▲	F30T8/D	Daylight	6500	76	24	7500	2180	36"	35.78"	

## T8 Instant / Rapid Start Lamps (Electronic Ballast) 24" & 36"

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
17		Med. Bi Pin	S6520 ▲	F17T8/730/ECO	Warm	3000	75	30	20000	1300	24"	23.78"	4
			S6523 ▲	F17T8/830/ECO	Warm	3000	82	30	20000	1400	24"	23.78"	4
			S6521 ▲	F17T8/735/ECO	Neutral	3500	75	30	20000	1300	24"	23.78"	4
			S6524 ▲	F17T8/835/ECO	Neutral	3500	82	30	20000	1400	24"	23.78"	4
			S6522 ▲	F17T8/741/ECO	Cool	4100	75	30	20000	1300	24"	23.78"	4
			<b>SHATTER PROOF</b> S6583 ▲	F17T8/741/TF/ECO	Cool	4100	75	30	20000	1300	24"	23.78"	4,9
			S6525 ▲	F17T8/841/ECO	Cool	4100	82	30	20000	1400	24"	23.78"	4
			S2913 ■	F17T8/SUN	Full Spec	6250	94.5	6	14,000	750	24"	23.78"	4
			25		Med. Bi Pin	S6526 ▲	F25T8/730/ECO	Warm	3000	75	30	20000	2025
S6529 ▲	F25T8/830/ECO	Warm				3000	82	30	20000	2150	36"	35.78"	4
S6527 ▲	F25T8/735/ECO	Neutral				3500	75	30	20000	2025	36"	35.78"	4
S6530 ▲	F25T8/835/ECO	Neutral				3500	82	30	20000	2150	36"	35.78"	4
S6528 ▲	F25T8/741/ECO	Cool				4100	75	30	20000	2025	36"	35.78"	4
<b>SHATTER PROOF</b> S6584 ▲	F25T8/741/TF/ECO	Cool				4100	75	30	20000	2025	36"	35.78"	4,9
S6531 ▲	F25T8/841/ECO	Cool				4100	82	30	20000	2150	36"	35.78"	4
S2914 ■	F25T8/SUN	Full Spec				6250	94.5	6	14,000	1200	36"	35.78"	4

Don't see the lamp you need? Call Customer Service 1-800-43-SATCO





## T8 Instant / Rapid Start Lamps (Electronic Ballast) 48"

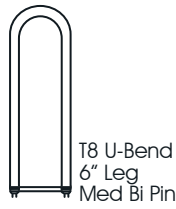
Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
32	T8	Med Bi Pin	<b>S6617</b>	F32T8/730/ENV	Warm	3000	75	30	20000	2800	48"	47.78"	4
			<b>S6532</b> ▲	F32T8/730/ECO	Warm	3000	75	30	20000	2800	48"	47.78"	4
			<b>S6401</b>	F32T8/830/ENV	Warm	3000	82	30	20000	2950	48"	47.78"	4
			<b>S6535</b> ▲	F32T8/830/ECO	Warm	3000	82	30	20000	2950	48"	47.78"	4
			<b>S2915</b> ▲	F32T8/830/XP/ECO	Warm	3000	85	30	24000	3000	48"	47.78"	4
			<b>S6618</b>	F32T8/735/ENV	Neutral	3500	75	30	20000	2800	48"	47.78"	4
			<b>S6533</b> ▲	F32T8/735/ECO	Neutral	3500	75	30	20000	2800	48"	47.78"	4
			<b>S6402</b>	F32T8/835/ENV	Neutral	3500	82	30	20000	2950	48"	47.78"	4
			<b>S6536</b> ▲	F32T8/835/ECO	Neutral	3500	82	30	20000	2950	48"	47.78"	4
			<b>S2916</b> ▲	F32T8/835/XP/ECO	Neutral	3500	85	30	24000	3000	48"	47.78"	4
			<b>S6619</b>	F32T8/741/ENV	Cool	4100	75	30	20000	2800	48"	47.78"	4
			<b>S6534</b> ▲	F32T8/741/ECO	Cool	4100	75	30	20000	2800	48"	47.78"	4
			<b>S6585</b> ▲	F32T8/741/TF/ECO	Cool	4100	75	30	20000	2750	48"	47.78"	4,9
			<b>S6403</b>	F32T8/841/ENV	Cool	4100	82	30	20000	2950	48"	47.78"	4
			<b>S6537</b> ▲	F32T8/841/ECO	Cool	4100	82	30	20000	2950	48"	47.78"	4
			<b>S2917</b> ▲	F32T8/841/XP/ECO	Cool	4100	85	30	24000	3000	48"	47.78"	4
			<b>S6694</b>	F32T8/750/ENV	Day Light	5000	75	30	20000	2650	48"	47.78"	4
			<b>S2918</b> ▲	F32T8/750/ECO	Day Light	5000	75	30	20000	2650	48"	47.78"	4
			<b>S6404</b>	F32T8/850/ENV	Day Light	5000	80	30	20000	2800	48"	47.78"	4
			<b>S2919</b> ▲	F32T8/850/ECO	Day Light	5000	80	30	20000	2800	48"	47.78"	4
			<b>S2920</b> ▲	F32T8/850/XP/ECO	Day Light	5000	85	30	24000	2950	48"	47.78"	4
<b>S2922</b> ■	F32T8/SUN	Day Light	6000	85	12	20000	3000	48"	47.78"	4			
<b>S6695</b>	F32T8/765/ENV	Day Light	6500	75	30	20000	2700	48"	47.78"	4			
<b>S2921</b> ▲	F32T8/765/ECO	Day Light	6500	75	30	20000	2700	48"	47.78"	4			

**SHATTER PROOF**

## T8 Instant / Rapid Start Lamps (Electronic Ballast) 60" & 96"

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
40	T8	Med Bi Pin	<b>S6544</b> ▲	F40T8/730/ECO	Warm	3000	75	30	20000	3550	60"	59.61"	4
			<b>S6547</b> ▲	F40T8/830/ECO	Warm	3000	82	30	20000	3650	60"	59.61"	4
			<b>S6545</b> ▲	F40T8/735/ECO	Neutral	3500	75	30	20000	3550	60"	59.61"	4
			<b>S6548</b> ▲	F40T8/835/ECO	Neutral	3500	82	30	20000	3650	60"	59.61"	4
			<b>S6546</b> ▲	F40T8/741/ECO	Cool	4100	75	30	20000	3550	60"	59.61"	4
			<b>S6549</b> ▲	F40T8/841/ECO	Cool	4100	82	30	20000	3650	60"	59.61"	4
59	T8	Single Pin	<b>S6538</b> ▲	F96T8/730/ECO	Warm	3000	75	24	20000	5700	96"	94"	
			<b>S6541</b> ▲	F96T8/830/ECO	Warm	3000	82	24	20000	5900	96"	94"	
			<b>S6539</b> ▲	F96T8/735/ECO	Neutral	3500	75	24	20000	5700	96"	94"	
			<b>S6542</b> ▲	F96T8/835/ECO	Neutral	3500	82	24	20000	5900	96"	94"	
			<b>S6540</b> ▲	F96T8/741/ECO	Cool	4100	75	24	20000	5700	96"	94"	
			<b>S6543</b> ▲	F96T8/841/ECO	Cool	4100	82	24	20000	5900	96"	94"	
			<b>S6577</b> ▲	F96T8/850/ECO	Day Light	5000	80	24	20000	5900	96"	94"	

# Fluorescent Lamps



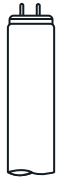
## T8 U-Bend Instant / Rapid Start Lamps (Electronic Ballast)

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
<b>31</b>	T8	Med Bi Pin	<b>S6550</b> ▲	FBO31/830	Warm	3000	82	15	20000	2725	22.5"	1 5/8"	4
			<b>S6551</b> ▲	FBO31/835	Neutral	3500	82	15	20000	2725	22.5"	1 5/8"	4
			<b>S6552</b> ▲	FBO31/841	Cool	4100	82	15	20000	2725	22.5"	1 5/8"	4
			<b>S2923</b> ▲	FBO31/750	Day Light	5000	75	15	20000	2600	22.5"	1 5/8"	4
<b>32</b>	T8	Med Bi Pin	<b>S6553</b> ▲	FBO32/730/6/ECO	Warm	3000	75	16	20000	2750	22.5"	6"	4
			<b>S6556</b> ▲	FBO32/830/6/ECO	Warm	3000	82	16	20000	2850	22.5"	6"	4
			<b>S6554</b> ▲	FBO32/735/6/ECO	Neutral	3500	75	16	20000	2750	22.5"	6"	4
			<b>S6557</b> ▲	FBO32/835/6/ECO	Neutral	3500	82	16	20000	2850	22.5"	6"	4
			<b>S6555</b> ▲	FBO32/741/6/ECO	Cool	4100	75	16	20000	2750	22.5"	6"	4
			<b>S6594</b> ▲	FBO32/741/6/TF/ECO	Cool	4100	75	16	20000	2750	22.5"	6"	4,9
			<b>S6558</b> ▲	FBO32/841/6/ECO	Cool	4100	82	16	20000	2850	22.5"	6"	4
			<b>S2924</b> ▲	FBO32/750/6/ECO	Day Light	5000	75	16	20000	2625	22.5"	6"	4

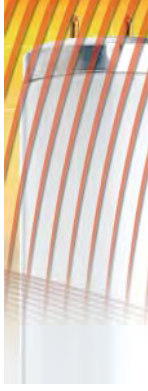
**SHATTER PROOF**

## T9 Circline Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Diameter	Notes
<b>20</b>	T9	4 Pin	<b>S2950</b> ▲	FC6T9/WW/RS	Warm White	3000	52	12	8000	800	6.5"	
			<b>S6509</b> ▲	FC6T9/CW/RS	Cool White	4100	62	12	8000	750	6.5"	
<b>22</b>	T9	4 Pin	<b>S6502</b>	FC8T9/WW/RS	Warm White	3000	52	12	11000	1050	8"	
			<b>S6500</b>	FC8T9/CW/RS	Cool White	4100	62	12	11000	1200	8"	
			<b>S6501</b>	FC8T9/D/RS	Daylight	6500	76	12	11000	900	8"	
<b>32</b>	T9	4 Pin	<b>S6505</b>	FC12T9/WW/RS	Warm White	3000	52	12	15000	1950	12"	
			<b>S6503</b>	FC12T9/CW/RS	Cool White	4100	62	12	15000	1925	12"	
			<b>S6504</b>	FC12T9/D/RS	Daylight	6500	76	12	15000	1650	12"	
<b>40</b>	T9	4 Pin	<b>S2954</b> ▲	FC16T9/WW/RS	Warm White	3000	52	12	18000	2800	16"	
			<b>S6506</b>	FC16T9/CW/RS	Cool White	4100	62	12	18000	2750	16"	
			<b>S2953</b> ▲	FC16T9/D/RS	Daylight	6500	76	12	18000	2350	16"	



T12  
Med Bi Pin



## T12 Preheat Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
14		Med Bi Pin	S6561 ▲	F14T12/MW	Warm White	3000	52	30	7500	660	15"	14.78"	
			S6559 ▲	F14T12/CW	Cool White	4100	62	30	7500	650	15"	14.78"	
			S6560 ▲	F14T12/D	Daylight	6500	76	30	7500	590	15"	14.78"	
15		Med Bi Pin	S6564 ▲	F15T12/MW	Warm White	3000	52	30	7500	770	18"	17.78"	
			S6562 ▲	F15T12/CW	Cool White	4100	62	30	7500	750	18"	17.78"	
			S6563 ▲	F15T12/D	Daylight	6500	76	30	7500	660	18"	17.78"	
20		Med Bi Pin	S6567 ▲	F20T12/MW	Warm White	3000	52	30	9000	1250	24"	23.78"	
			S6565 ▲	F20T12/CW	Cool White	4100	62	30	9000	1220	24"	23.78"	
			S6579 ▲	F20T12/CW/TF	Cool White	4100	62	30	9000	1220	24"	23.78"	9
			S6666 ■	F20T12SUN	Full Spec	6250	94.5	6	14,000	800	24"	23.78"	
			S6566 ▲	F20T12/D	Daylight	6500	76	30	9000	1075	24"	23.78"	
			S2925 ▲	F20T12/BL	Black Light	n/a	n/a	30	9000	n/a	24"	23.78"	1
			S6408 ■	F20T12/BLB	Blk Lt Blue	n/a	n/a	30	9000	n/a	24"	23.78"	2
25		Med Bi Pin	S6568 ▲	F25T12/CW/28"	Cool White	4100	62	30	7500	1670	28"	27.78"	
			S6569 ▲	F25T12/CW/30"	Cool White	4100	62	30	7500	1730	30"	29.78"	
			S6570 ▲	F25T12/CW/33"	Cool White	4100	62	30	7500	1750	33"	32.78"	

## T12 Rapid Start Lamps 36"

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
30		Med. Bi Pin	S6573 ▲	F30T12/MW/RS	Warm White	3000	52	30	18500	2275	36"	35.78"	
			S6574 ▲	F30T12/D830/RS	Warm	3000	80	30	18000	2290	36"	35.78"	
			S6575 ▲	F30T12/D35/RS	Neutral	3500	70	30	18000	2250	36"	35.78"	
			S6576 ▲	F30T12/D41/RS	Cool	4100	70	30	18000	2250	36"	35.78"	
			S6571 ▲	F30T12/CW/RS	Cool White	4200	62	30	18000	2200	36"	35.78"	
			S6580 ▲	F30T12/CW/RS/TF	Cool White	4200	62	30	18000	2200	36"	35.78"	9
			S6667 ■	F30T12SUN/RS	Full Spec	6250	94.5	30	22000	1650	36"	35.78"	
			S6572 ▲	F30T12/D/RS	Daylight	6500	76	30	18000	1900	36"	35.78"	

fluorescent lamps

# Fluorescent Lamps



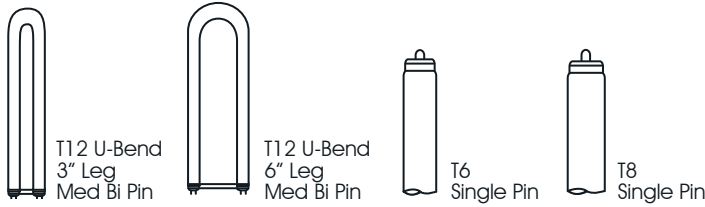
T12  
Med Bi Pin

## T12 Rapid Start Lamps 48"

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
<b>34</b>		T12 Med Bi Pin	<b>S6601</b> ▲	F34WW/SS/ECO	Warm White	3000	52	30	20000	2700	48"	47.78"	6
			<b>S6602</b> ▲	F34/D30/SS/ECO	Warm	3000	70	30	20000	2800	48"	47.78"	6
			<b>S6605</b> ▲	F34/D830/SS/ECO	Warm	3000	82	30	20000	2900	48"	47.78"	6
			<b>S6603</b> ▲	F34/D35/SS/ECO	Neutral	3500	70	30	20000	2800	48"	47.78"	6
			<b>S6606</b> ▲	F34/D835/SS/ECO	Neutral	3500	82	30	20000	2900	48"	47.78"	6
			<b>S6604</b> ▲	F34/D41/SS/ECO	Cool	4100	70	30	20000	2800	48"	47.78"	6
			<b>S6607</b> ▲	F34/D841/SS/ECO	Cool	4100	82	30	20000	2900	48"	47.78"	6
			<b>S6600</b> ▲	F34CW/SS/ECO	Cool White	4200	62	30	20000	2700	48"	47.78"	6
			<b>S6581</b> ▲	F34CW/SS/TF/ECO	Cool White	4200	62	30	20000	2700	48"	47.78"	6,9

**SHATTER PROOF**

<b>40</b>		T12 Med Bi Pin	<b>S6611</b> ▲	F40/D30/ECO	Warm	3000	70	30	20000	3200	48"	47.78"	
			<b>S6614</b> ▲	F40/D830/ECO	Warm	3000	82	30	20000	3200	48"	47.78"	
			<b>S6612</b> ▲	F40/D35/ECO	Neutral	3500	70	30	20000	3200	48"	47.78"	
			<b>S6615</b> ▲	F40/D835/ECO	Neutral	3500	82	30	20000	3200	48"	47.78"	
			<b>S6609</b> ▲	F40N	Natural	3600	86	30	20000	2100	48"	47.78"	
			<b>S2927</b> ▲	F40/CWX	Cool White Deluxe	4100	87	30	20000	2150	48"	47.78"	
			<b>S6613</b> ▲	F40/D41/ECO	Cool	4100	70	30	20000	3200	48"	47.78"	
			<b>S6616</b> ▲	F40/D841/ECO	Cool	4100	82	30	20000	3200	48"	47.78"	
			<b>S6610</b> ▲	F40DSGN50	Day Light	5000	90	30	20000	2200	48"	47.78"	
			<b>S6668</b> ■	F40T12/SUN	Full Spect	6250	94.5	30	26000	2100	48"	47.78"	
			<b>S6608</b> ▲	F40DX	Daylight Deluxe	6500	88	30	20000	2180	48"	47.78"	
			<b>S2928</b> ▲	F40/D865	Day Light	6500	80	30	20000	3000	48"	47.78"	
			<b>S2926</b> ▲	F40/350BL	Black Light	n/a	n/a	30	20000		48"	47.78"	1
			<b>S6409</b> ▲	F40/BLB/RP	Blk Lt Blue	n/a	n/a	6	20000		48"	47.78"	2



## T12 Rapid Start Lamps U-Bends

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	Leg Space	Notes
34		Med. Bi Pin	<b>S6690</b> ▲	FB34/WW/3/EW	Warm White	3000	52	12	18000	2150	22.5"	3"	6
			<b>S6682</b> ▲	FB34/CW/3/EW	Cool White	4200	62	12	18000	2050	22.5"	3"	6
		Med. Bi Pin	<b>S6681</b> ▲	FB34/WW/6/SS/ECO	Warm White	3000	52	12	18000	2650	22.5"	6"	6
			<b>S6683</b> ▲	FB34/D30/6/SS	Warm	3000	70	12	20000	2730	22.5"	6"	6
			<b>S6684</b> ▲	FB34/D35/6/SS	Neutral	3500	70	12	20000	2730	22.5"	6"	6
			<b>S6685</b> ▲	FB34/D41/6/SS	Cool	4100	70	12	20000	2730	22.5"	6"	6
			<b>S6680</b> ▲	FB34/CW/6/SS/ECO	Cool White	4200	62	12	18000	2600	22.5"	6"	6
			<b>S6593</b> ▲	FB34/CW/6/SS/TF	Cool White	4200	62	12	18000	2600	22.5"	6"	6,9
40		Med. Bi Pin	<b>S6687</b> ▲	FB40/D30/6	Warm	3000	70	12	20000	3200	22.5"	6"	
			<b>S6688</b> ▲	FB40/D35/6	Neutral	3500	70	12	20000	3200	22.5"	6"	
			<b>S6689</b> ▲	FB40/D41/6	Cool	4100	70	12	20000	3200	22.5"	6"	
			<b>S6686</b> ▲	FB40/DX/6	Daylight Deluxe	6500	88	12	18000	2300	22.5"	6"	

**SHATTER PROOF**

## T6 & T8 Instant Start Slimline Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
25		Single Pin	<b>S6470</b> ▲	F42T6/WW	Warm White	3000	52	24	7500	1825	42"	40"	
			<b>S2929</b> ▲	F42T6/D35	Neutral	3500	70	24	7500	1830	42"	40"	
			<b>S6471</b> ▲	F42T6/CW	Cool White	4200	62	24	7500	1750	42"	40"	
			<b>S6591</b> ▲	F42T6/CW/TF	Cool White	4200	62	24	7500	1750	42"	40"	9
38		Single Pin	<b>S6473</b> ▲	F64T6/WW	Warm White	3000	52	24	7500	2900	64"	62"	
			<b>S6474</b> ▲	F64T6/D35	Neutral	3500	70	24	7500	2930	64"	62"	
			<b>S6475</b> ▲	F64T6/CW	Cool White	4200	62	24	7500	2800	64"	62"	
			<b>S6592</b> ▲	F64T6/CW/TF	Cool White	4200	62	24	7500	2800	64"	62"	9
38		Single Pin	<b>S6477</b> ▲	F72T8/WW	Warm White	3000	52	24	7500	3100	72"	70"	
			<b>S6478</b> ▲	F72T8/CW	Cool White	4200	62	24	7500	3050	72"	70"	
			<b>S6476</b> ▲	F72T8/D	Daylight	6500	76	24	7500	2288	72"	70"	
51		Single Pin	<b>S2930</b> ▲	F96T8/CW	Cool White	4200	62	24	7500	4000	96"	94"	
			<b>S2931</b> ▲	F96T8/D	Daylight	6500	76	24	7500	3550	96"	94"	

**SHATTER PROOF**

**SHATTER PROOF**

# Fluorescent Lamps



T12  
Single Pin

## T12 Instant Start Slimline Lamps 24" through 84"



Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
24	T12	Single Pin	<b>S6469</b> ▲	F24T12/CW	Cool White	4200	62	30	7500	1150	24"	22"	
30	T12	Single Pin	<b>S6472</b> ▲	F36T12/CW	Cool White	4200	62	30	7500	1970	36"	34"	
39	T12	Single Pin <b>SHATTER PROOF</b>	<b>S6660</b> ▲	F48T12/CW	Cool White	4200	62	30	9000	2875	48"	46"	
			<b>S6586</b> ▲	F48T12/CW/TF	Cool White	4200	62	30	9000	2875	48"	46"	9
			<b>S6481</b> ▲	F48T12/D	Daylight	6500	76	30	9000	2450	48"	46"	
50	T12	Single Pin	<b>S6661</b> ▲	F60T12/CW	Cool White	4200	62	30	12000	3700	60"	58"	
			<b>S6483</b> ▲	F60T12/D	Daylight	6500	76	30	12000	3000	60"	58"	
52	T12	Single Pin	<b>S6662</b> ▲	F64T12/CW	Cool White	4200	62	30	12000	3900	64"	62"	
			<b>S6485</b> ▲	F64T12/D	Daylight	6500	76	30	12000	3300	64"	62"	
55	T12	Single Pin	<b>S6631</b> ▲	F72T12/MW	Warm White	3000	52	15	12000	3900	72"	70"	
			<b>S6630</b> ▲	F72T12/CW	Cool White	4200	62	15	12000	4500	72"	70"	
			<b>S6632</b> ▲	F72T12/D	Daylight	6500	76	15	12000	4150	72"	70"	
70	T12	Single Pin	<b>S6663</b> ▲	F84T12/CW	Cool White	4200	62	15	12000	5300	84"	82"	

## T12 Instant Start Slimline Lamps 96"



Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
60	T12	Single Pin <b>SHATTER PROOF</b>	<b>S6641</b> ▲	F96T12/MW/SS	Warm White	3000	52	15	12000	5500	96"	94"	
			<b>S6642</b> ▲	F96T12/D30/SS	Warm	3000	70	15	12000	5600	96"	94"	
			<b>S6645</b> ▲	F96T12/D830/SS	Warm	3000	70	15	12000	5800	96"	94"	
			<b>S6643</b> ▲	F96T12/D35/SS	Neutral	3500	70	15	12000	5600	96"	94"	
			<b>S6646</b> ▲	F96T12/D835/SS	Neutral	3500	80	15	12000	5800	96"	94"	
			<b>S6644</b> ▲	F96T12/D41/SS	Cool	4100	70	15	12000	5600	96"	94"	
			<b>S6647</b> ▲	F96T12/D841/SS	Cool	4100	80	15	12000	5800	96"	94"	
			<b>S6640</b> ▲	F96T12/CW/SS	Cool White	4200	62	15	12000	5300	96"	94"	
			<b>S6582</b> ▲	F96T12/CW/SS/TF	Cool White	4200	62	15	12000	5300	96"	94"	9
75	T12	Single Pin	<b>S6652</b> ▲	F96T12/D30	Warm	3000	70	15	12000	6420	96"	94"	
			<b>S6655</b> ▲	F96T12/D830	Warm	3000	80	15	12000	6550	96"	94"	
			<b>S6653</b> ▲	F96T12/D35	Neutral	3500	70	15	12000	6420	96"	94"	
			<b>S6656</b> ▲	F96T12/D835	Neutral	3500	80	15	12000	6550	96"	94"	
			<b>S6654</b> ▲	F96T12/D41	Cool	4100	70	15	12000	6420	96"	94"	
			<b>S6657</b> ▲	F96T12/D841	Cool	4100	80	15	12000	6550	96"	94"	
			<b>S6651</b> ▲	F96T12/DSGN50	Day Light	5000	90	15	12000	4400	96"	94"	
			<b>S2932</b> ▲	F96T12/D865	Day Light	6500	80	15	12000	6000	96"	94"	
			<b>S6650</b> ▲	F96T12/DX	Daylight Deluxe	6500	88	15	12000	4310	96"	94"	

Don't see the lamp you need? Call Customer Service 1-800-43-SATCO



T12  
Rec DC



## T12 HO High Output (800 mA) Rapid Start Lamps 18" - 64"

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
25	T12	Rec DC	S2933 ▲	F18T12/CW/HO	Cool White	4200	62	30	9000	1100	18"	15.91"	
			S2934 ▲	F18T12/DSGN50/HO	Day Light	5000	90	30	9000	850	18"	15.91"	
35	T12	Rec DC	S6449 ▲	F24T12/CW/HO	Cool White	4200	62	30	9000	1650	24"	21.91"	
			S2935 ▲	F24T12/DSGN50/HO	Day Light	5000	90	30	9000	1200	24"	21.91"	
			S6450 ▲	F24T12/D/HO	Daylight	6500	76	30	9000	1400	24"	21.91"	
42	T12	Rec DC	S6451 ▲	F30T12/CW/HO	Cool White	4200	62	30	9000	2250	30"	27.91"	
45	T12	Rec DC	S6452 ▲	F36T12/CW/HO	Cool White	4200	62	30	9000	2850	36"	33.91"	
			S2936 ▲	F36T12/DSG50/HO	Day Light	5000	90	30	9000	2100	36"	33.91"	
			S2937 ▲	F36T12/D/HO	Daylight	6500	76	30	9000	2500	36"	33.91"	
55	T12	Rec DC	S6453 ▲	F42T12/CW/HO	Cool White	4200	62	30	9000	3400	42"	39.91"	
			S2938 ▲	F42T12/DSGN50/HO	Day Light	5000	90	30	9000	2550	42"	39.91"	
			S6954 ▲	F42T12/D/HO	Daylight	6500	76	30	9000	3050	42"	39.91"	
70	T12	Rec DC	S6670 ▲	F48T12/CW/HO	Cool White	4200	62	30	12000	4050	48"	46"	
			<b>SHATTER PROOF</b> S6587 ▲	F48T12/CW/HO/TF	Cool White	4200	62	30	12000	4050	48"	46"	9
			S2939 ▲	F48T12/DSGN50/HO	Day Light	5000	90	30	12000	3050	48"	46"	
			S2940 ▲	F48T12/D/HO	Daylight	6500	76	30	12000	3600	48"	46"	
75	T12	Rec DC	S6671 ▲	F60T12/CW/HO	Cool White	4200	62	30	12000	5200	60"	57.91"	
			S2941 ▲	F60T12/DSGN50/HO	Day Light	5000	90	30	12000	3850	60"	57.91"	
			S6457 ▲	F60T12/D/HO	Daylight	6500	76	30	12000	4600	60"	57.91"	
80	T12	Rec DC	S6672 ▲	F64T12/CW/HO	Cool White	4200	62	30	12000	5750	64"	61.91"	
			S2942 ▲	F64T12/DSGN50/HO	Day Light	5000	90	30	12000	4200	64"	61.91"	
			S6458 ▲	F64T12/D/HO	Daylight	6500	76	30	12000	4900	64"	61.91"	

fluorescent lamps

# Fluorescent Lamps



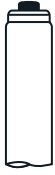
T12  
Rec DC

## T12 HO High Output (800 mA) Rapid Start Lamps 72" - 120"

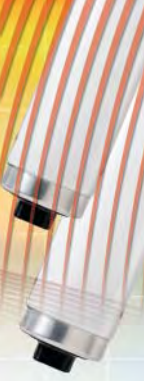
Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
85	T12	Rec DC	S2944 ▲	F72T12/D35/HO	Neutral	3500	70	15	12000	6650	72"	69.91	
			S6673 ▲	F72T12/CW/HO	Cool White	4200	62	15	12000	6250	72"	69.91	
			S2943 ▲	F72T12/DSGN50/HO	Day Light	5000	90	15	12000	4600	72"	69.91	
			S6460 ▲	F72T12/D/HO	Daylight	6500	76	15	12000	5550	72"	69.91	
100	T12	Rec DC	S6674 ▲	F84T12/CW/HO	Cool White	4200	62	15	12000	7550	84"	81.91"	
			S2945 ▲	F84T12/DSGN50/HO	Day Light	5000	90	15	12000	5600	84"	81.91"	
			S6461 ▲	F84T12/D/HO	Daylight	6500	76	15	12000	6700	84"	81.91"	
95	T12	Rec DC	S6675 ▲	F96T12/CW/HO/SS	Cool White	4200	62	15	12000	8000	96"	93.91"	
			<b>SHATTER PROOF</b> S6588 ▲	F96T12/CW/HO/SS/TF	Cool White	4200	62	15	12000	8000	96"	93.91"	9
110	T12	Rec DC	S2947 ▲	F96T12/D30/HO	Warm	3000	70	15	12000	9050	96"	93.91"	
			S2948 ▲	F96T12/D35/HO	Neutral	3500	70	15	12000	9050	96"	93.91"	
			S2949 ▲	F96T12/D41/HO	Cool	4100	70	15	12000	9050	96"	93.91"	
			S6676 ▲	F96T12/CW/HO/CT	Cool White	4200	62	15	12000	8600	96"	93.91"	10
			<b>SHATTER PROOF</b> S6589 ▲	F96T12/CW/HO/CT/TF	Cool White	4200	62	15	12000	8600	96"	93.91"	9,10
			S2946 ▲	F96T12/DSGN50/HO	Day Light	5000	90	15	12000	6450	96"	93.91"	
			S6462 ▲	F96T12/D/HO/CT	Daylight	6500	76	15	12000	7600	96"	93.91"	10
124	T12	Rec DC	S5254 ■	F108T12/CW/HO	Cool White	4200	62	10	12000	10350	108"	105"	
			S5255 ■	F108T12/D/HO	Daylight	6500	76	10	12000	8800	108"	105"	
132	T12	Rec DC	S5256 ■	F117T12/CW/HO	Cool White	4200	62	10	12000	11200	117"	114"	
			S5257 ■	F117T12/D/HO	Daylight	6500	76	10	12000	9500	117"	114"	
135	T12	Rec DC	S5224 ■	F120T12/CW/HO	Cool White	4200	62	10	12000	11500	120"	117"	
			S5227 ■	F120T12/D/HO	Daylight	6500	76	10	12000	9750	120"	117"	

fluorescent lamps





T12  
Rec DC

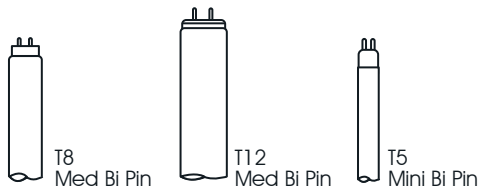


## T12 VHO Very High Output (1500mA) Rapid Start Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
115	T12	Rec DC	S6463 ▲	F48T12/CW/VHO	Cool White	4200	62	30	10000	6600	48"	45.91"	
			<b>SHATTER PROOF</b> S6595 ▲	F48T12/CW/VHO/LT/TF	Cool White	4200	62	30	20000	7400	48"	45.91"	
135	T12	Rec DC	S6465 ▲	F60T12/CW/VHO	Cool White	4200	62	30	10000	8700	60"	57.91"	
160	T12	RecDC	S6466 ▲	F72T12/CW/VHO	Cool White	4200	62	15	10000	10600	72"	69.91"	
195	T12	Rec DC	S6467 ▲	F96T12/CW/VHO/SS	Cool White	4200	62	15	10000	13000	96"	93.91"	
215	T12	Rec DC	S6677 ▲	F96T12/CW/VHO	Cool White	4200	62	15	10000	14000	96"	93.91"	
			<b>SHATTER PROOF</b> S6590 ▲	F96T12/CW/VHO/TF	Cool White	4200	62	15	10000	14000	96"	93.91"	

fluorescent lamps

# Fluorescent Lamps



## Specialty Fluorescent Lamps

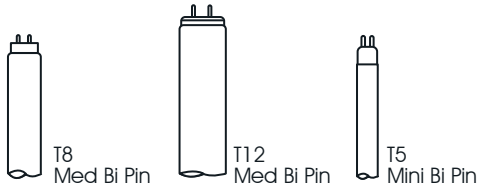
### T8 and T12 Lamps for Plant and Aquarium Purposes

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
15	T8	Med Bi Pin	<b>S6888</b> ▲	F15T8/GRO/AQ/RP	Purple	n/a	66	6	7500	325	18"	17.78"	
20	T12	Med Bi Pin	<b>S6889</b> ▲	F20T12/GRO/AQ/RP	Purple	n/a	66	6	9000	480	24"	23.78"	
			<b>S6890</b> ▲	F20T12/GRO/AQ/WS/RP	Pink	3400	89	6	9000	750	24"	23.78"	8
30	T8	Med Bi Pin	<b>S6891</b> ▲	F30T8/GRO/AQ/RP	Purple	n/a	66	6	7500	800	36"	35.78"	
40	T12	Med Bi Pin	<b>S6892</b> ▲	F40/GRO/AQ/RP	Purple	n/a	66	6	20000	1200	48"	47.78"	
			<b>S6893</b> ▲	F40/GRO/AQ/WS/RP	Pink	3400	89	6	20000	1700	48"	47.78"	8

### Blacklight Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
4	T5	Mini Bi Pin	<b>S2904</b>	F4T5/BL	Black Light	n/a	n/a	20	5000	n/a	6"	5.91"	1
6	T5	Mini Bi Pin	<b>S2905</b>	F6T5/BL	Black Light	n/a	n/a	20	5000	n/a	9"	8.91"	1
8	T5	Mini Bi Pin	<b>S2906</b>	F8T5/BL	Black Light	n/a	n/a	20	5000	n/a	12"	11.91"	1
15	T8	Med Bi Pin	<b>S2918</b> ■	F15T8/BL	Black Light	n/a	n/a	25	7500	n/a	18"	17.78"	1
25	T8	Med Bi Pin	<b>S6875</b> ▲	F25T8/350BL/18in	Black Light	n/a	n/a	24	n/a	n/a	18"	17.78"	1
30	T8	Med Bi Pin	<b>S6876</b> ▲	F30T8/350BL	Black Light	n/a	n/a	24	7500	n/a	36"	35.78"	1
22	T12	Med Bi Pin	<b>S6874</b> ▲	F15"T12/350BL/500/PH	Black Light	n/a	n/a	30	n/a	n/a	15"	17.78"	1
32	T12	Med Bi Pin	<b>S6877</b> ▲	F18"T12/350BL/700/PH	Black Light	n/a	n/a	30	n/a	n/a	18"	17.78"	1
20	T12	Med Bi Pin	<b>S2925</b> ▲	F20T12/350BL	Black Light	n/a	n/a	30	9000	n/a	24"	23.78"	1
40	T12	Med Bi Pin	<b>S2926</b> ▲	F40/350BL	Black Light	n/a	n/a	30	20000	n/a	48"	47.78"	1

Don't see the lamp you need? Call Customer Service 1-800-43-SATCO



## Specialty Fluorescent Lamps (cont.)

### Blacklight Blue Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
4	T5	Mini Bi Pin	S6405	F4T5/BLB	Blk Lt Blue	n/a	n/a	20	5000	n/a	6"	5.91"	2
6	T5	Mini Bi Pin	S2907	F6T5/BLB	Blk Lt Blue	n/a	n/a	20	5000	n/a	9"	8.91"	2
8	T5	Mini Bi Pin	S6406	F8T5/BLB	Blk Lt Blue	n/a	n/a	20	5000	n/a	12"	11.91"	2
15	T8	Med Bi Pin	S6407	F15T8/BLB	Blk Lt Blue	n/a	n/a	20	7500	n/a	18"	17.78"	2
20	T12	Med Bi Pin	S6408	F20T12/BLB	Blk Lt Blue	n/a	n/a	30	9000	n/a	24"	23.78"	2
40	T12	Med Bi Pin	S6409	F40/BLB/RP	Blk Lt Blue	n/a	n/a	6	20000	n/a	48"	47.78"	2

### Germicidal Preheat Lamps

Watts	Bulb	Base	Satco Product Number	Lamp Code	Color	CCT (K)	CRI	Carton	Avg. Rated Hours	Initial Lumens	Nominal Length	MOL	Notes
8	T5	Mini Bipin	S6885	G8T5		n/a	n/a	24	6000	n/a	12"	11.91"	7
15	T8	Med Bi Pin	S6886	G15T8		n/a	n/a	24	7500	n/a	18"	17.78"	7
30	T8	Med Bi Pin	S6887	G30T8		n/a	n/a	24	7500	n/a	36"	35.78"	7

fluorescent lamps

# Fluorescent Lamps Notes

## General Fluorescent Notes

■ = Product by a manufacturer other than Satco

▲ = Product by one of the Primary lamp manufacturers

Due to the fragile nature of fluorescent tubes, please discuss shipping issues, and packing charges for all fluorescent lamps 48" or longer. Some items can only be shipped in full cases.

ECO and ENV fluorescent lamps are designed to pass the Federal Toxic Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states. TCLP test results are available upon request. Lamp disposal regulations may vary, check your local & state regulations. For more information, please visit [www.lamprecycle.org](http://www.lamprecycle.org). At this time, much of the fluorescent product line is transitioning from non-ECO product to ECO product, if this is a critical issue for your application, call customer service to confirm ECO availability.

## Fluorescent Notes

1 The UV radiation of Black Light excites the fluorescent paints, fabrics, and other materials used for theatrical special effects. Black Light lamps are also used in bars and restaurants for lighting effects. Black Light lamps are also used in Bug Zappers, and by Pest Control professionals.

**CAUTION:** This lamp emits ultraviolet (UV) power during operation and is in Risk Group 1 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.25 meters (10 inches) should be limited; for example exposure at 0.14m (6 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.

2 Black Light Blue is similar to Black Light, but with a filter in the glass to filter out visible light. Used by psychedelic shops for lighting fluorescent posters, displays, etc. In the theatre Black Light Blue is used where only fluorescent materials in clothing and objects, most white clothing, teeth, and whites of the eye, are desired for effect. These are often used in bars, restaurants, bowling alleys, and miniature golf venues to achieve similar effects.

**CAUTION:** This lamp emits ultraviolet (UV) power during operation and is in Risk Group 1 per ANSI/IESNA RP-27.3-96. Exposure at less than 0.25 meters (10 inches) should be limited; for example exposure at 0.14m (6 inches) should not exceed 4 hours in an 8 hour interval (see ANSI/IESNA RP-27.1-96). Certain medications and chemicals can increase an individual's sensitivity. Consult your physician for specific information. Protective eyewear should be worn in occupational situations involving long term exposure in close proximity to the lamp. This lamp is not intended and should not be used for diagnostic, therapeutic or cosmetic purposes.


## 3 Fluorescent T8 Appliance Lamp Cross References

Satco	Sylvania	Phillips	GE
S6513	F18T8CW/K24	F15T8/CW/24	F24" T8/CW/4
S6514	F18T8CW/K26	F16T8/CW/26	F26" T8/CW/4
S6515	F18T8CW/K28	F17T8/CW/28	F28" T8/CW/4
S6516	F18T8CW/K30	F18T8/CW/30	F30" T8/CW/4

4 Rated life of the T8 lamps for Electronic Ballasts are based on Magnetic RS ballasts. When used on common IS electronic ballasts the 20,000 hour rating becomes 15,000 hours, the 24,000 hour rating becomes 18,000 hours, based on 3 hour on cycles.

5 Due to their small diameter, T2 miniature fluorescent lamps operate at higher surface temperatures than other fluorescent lamps. To avoid possible burns, do not touch the lamp during operation and allow sufficient cooling time before removing the lamp from the fixture. The typical bulb wall temperature during operation is 120 degrees at the ends. The maximum allowable bulb wall temperature is 150 degrees C.

6 The F34 and FB34 lamps were previously known as energy saving F40, and FB40 lamps. Not intended for use: (1) at lamp ambient temperatures below 60 degrees F or in drafty locations, (2) on low power factor ballasts, (3) reduced current/reduced light output ballasts, (4) dimming ballasts, or (5) on inverter operated emergency lighting systems unless any of the above equipment is specifically listed for use with 34 watt lamps.

 **WARNING:** To prevent possible serious injury, eyes and skin should not be exposed to direct or reflected ultraviolet power emitted by this lamp. This lamp is in Risk Group 3 per ANSI/IESNA RP-27.3-96. Adequate protection should be provided by clothing, gloves, opaque materials, and ordinary window glass. Although this lamp will operate in standard fluorescent fixtures, it should not be used for general lighting applications.

8 Grow Light wide spectrum lamps are also used for retail meat case applications.

9 **SHATTER PROOF** ShatterProof lamps are designed for any application where lamps are at risk of being broken. The rubber coating will contain the glass particles and phosphors should the lamp break, keeping it from falling into food, or elsewhere. Many jurisdictions now require the use of coated lamps in all food preparation, and service areas. This coating also has the added benefit of blocking all UV emissions from 100 to 380 nanometers, common to fluorescent technology.

10 Labeled for cold temperature (below 60°F) operation only per EPACT.