Linear Fluorescent Lamp Program

Service Guaranteed™ linear fluorescent lamps

come in a variety of styles and base types. Offering a 5100 Kelvin and 82 CRI, Artic Brite® Delux™ lamps produce a white, bright light which improves visual clarity for daily tasks. With a 90 CRI, Spectralite™ lamps are carefully formulated to match sunlight which is ideal for printers, dental offices and labs where color matching is critical. Natural Lite™ Plus lamps offer high CRI, cool color temperature, and full spectrum to combat symptoms of Seasonal Affective Disorder.* Our cool white lamps feature 4100 Kelvin and 62 CRI to provide the most widely used lamp color in office settings. Emitting a warm white light, Service Guaranteed 3000 Kelvin lamps with 54 CRI blend well with incandescent lamps to accentuate wood grain and earth tones. These lamps are ideal for any office environment and other commercial applications.

The Service Guaranteed line also includes Triten®, Triten® Energy-Saving T8, Super Series, and Daylight Plus™ lamps.

*Light therapy is prescribed by doctors for treatment of Seasonal Affective Disorder (SAD). Central Industries makes no medical claims.

Key Features and Benefits

- Rare earth trichromatic phosphors
- High CRI (Color Rendering Index) portrays colors accurately.
- Enhances product appearance in retail applications.
- 95% lumen maintenance
- Variety of tube styles and bases to satisfy most applications
- Variety of color temperatures: 3000K, 3500K, 4100K and 5000K
- Not for use in air handling fixtures

Application Information

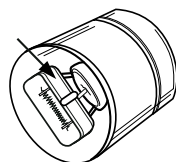For use in a variety of applications, including the following:

| Industrial | Retail | Commercial | Offices |
| Hospitality | Schools | Hospitals | |

Luminaires

Contact your local fixture agent for available luminaires.
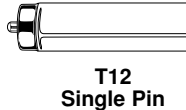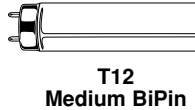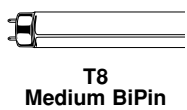
Cathode Guard

Improves lumen maintenance by reducing end blackening. Lamps burn brighter and longer.

Product Offering

Lamp Type	Watt
T5	54W
T8	17W, 25W, 28W, 32W, 59W
T8 U-Bent	28W, 32W
T10	40W
T12	20W, 30W, 34W, 40W, 60W, 75W, 87W, 95W, 110W
T12 U-Bent	28W, 32W, 34W, 40W

T8
Medium BiPin

T12
Medium BiPin

T12
Single Pin

T12
Recessed D.C.

T12 U-BENT
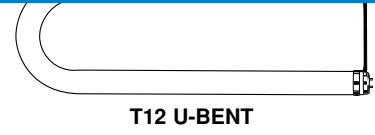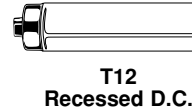
Service Guaranteed Brand Linear Fluorescent Lamps

Watts	Base	MOL	Order No.	Code Abbreviation	Master Carton	Kelvin	CRI	Lumens	Average Rated Hours
20	Medium BiPin	24"	60801	F20T12/CW/ENV	30	4100	62	1200	9000
30	Medium BiPin	36"	60802	F30T12/CW/ENV	30	4100	62	2250	18000
32	Medium BiPin	48"	60769	F32T8/NATURALLITEPLUS/ENV	25	5500	91	3050	30000
34	Medium BiPin	48"	60785	F34T12/CW/ECONO-G®/ENV	30	4100	62	2650	20000
	Medium BiPin	48"	60824	F34T12/WW/ECONO-G®/ENV	30	3000	53	2700	20000
40	Medium BiPin	48"	60776	F40T12/ARTICBRITE®DELUX™	30	5100	82	2400	20000
	Medium BiPin	48"	60812	F40T12/SPECTRALITE	30	5900	90	2430	20000
60	Single Pin	96"	60803	F96T12/CW/ECONO-G®/ENV	15	4100	62	5400	12000
75	Single Pin	96"	60781	F96T12/ARTICBRITE®DELUX™	15	5100	82	4775	12000
87	Recessed D.C.	72"	60831	F72T12/CW/HO/ENV	15	4100	62	6350	12000
95	Recessed D.C.	96"	60832	F96T12/CW/HO/ECONO-G®/ENV	15	4100	62	8000	12000
110	Recessed D.C.	96"	60839	F96T12/CW/HO-O/ENV	15	4100	62	8800	12000
T12 U-Bent									
34	Medium BiPin	22 7/16"	60818	FB34T12/6/CW/ECONO-G®/ENV	12	4100	62	2400	18000
	Medium BiPin	22 7/16"	60819	FB34T12/6/WW/ECONO-G®/ENV	12	3000	53	2400	18000
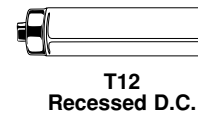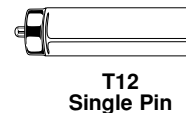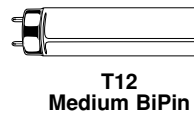
Daylight Plus™ Series

T12
Medium BiPin

T12
Single Pin

T12
Recessed D.C.

Watts	Base	MOL	Order No.	Code Abbreviation	Master Carton	Kelvin	CRI	Lumens	Average Rated Hours
40	Medium BiPin	48"	60825	F40T12/DAYLIGHTPLUS™/ENV	30	6500	84	2325	20000
75	Single Pin	96"	60833	F96T12/DAYLIGHTPLUS™/ENV	15	6500	84	4500	12000
110	Recessed D.C.	96"	60772	F96T12/DAYLIGHTPLUS™/HO	15	6500	84	6750	12000
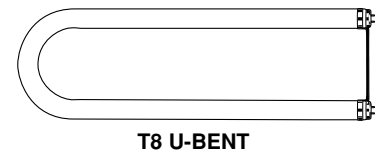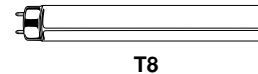
Super Saver Series

T8

T8 U-BENT

Watts	Base	MOL	Order No.	Code Abbreviation	Master Carton	Kelvin	CRI	Lumens	Average Rated Hours
T8									
32	Medium BiPin	48"	60791	F32T8/SUPER735/ENV	25	3500	78	2850	24000
	Medium BiPin	48"	60792	F32T8/SUPER741/ENV	25	4100	78	2850	24000
	Medium BiPin	48"	60794	F32T8/SUPER750/ENV	25	5000	78	2850	24000
T8 U-Bent									
32	Medium BiPin	22 7/16"	60820	FB32T8/6/SUPER735/ENV	20	3500	75	2650	20000
	Medium BiPin	22 7/16"	60821	FB32T8/6/SUPER741/ENV	20	4100	75	2650	20000
	Medium BiPin	22 7/16"	60822	FB32T8/6/SUPER750/ENV	20	5000	75	2650	20000

SERVICE LONG LIFE GUARANTEED™

CENTRAL INDUSTRIES

T5 Mini BiPin

T8 U-BENT **T12 U-BENT**

T8 Medium BiPin **T8 Single Pin** **T10 Medium BiPin** **T12 Medium BiPin** **T12 Single Pin** **T12 Recessed D.C.**
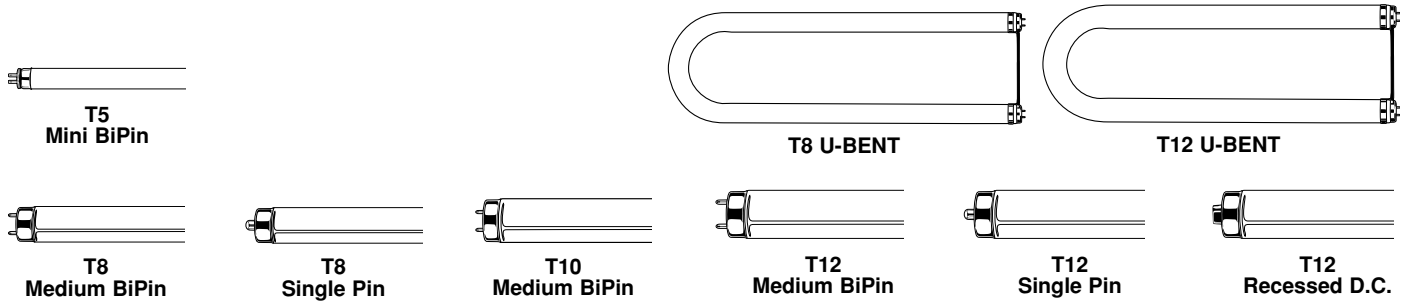
Triten® Series

| Watts	Base	MOL	Order No.	Code Abbreviation	Master Carton	Kelvin	CRI	Lumens	Average Rated Hours
T5									
54	Mini BiPin	46"	**60663**	F54T5/TRITEN®50/HO/ENV	24	5000	85	4800	20000
T8									
17	Medium BiPin	24"	**60634**	F17T8/TRITEN®50/ENV	25	5000	85	1400	20000
25	Medium BiPin	48"	**60456**	F25T8/TRITEN®35/ULTRA/ENV/LL	25	3500	85	2500	24000
	Medium BiPin	48"	**60457**	F25T8/TRITEN®41/ULTRA/ENV/LL	25	4100	85	2500	24000
	Medium BiPin	48"	**60458**	F25T8/TRITEN®50/ULTRA/ENV/LL	25	5000	85	2500	24000
28	Medium BiPin	48"	**60459**	F28T8/TRITEN®50/ENV/LL	25	5000	85	2725	2400
	Medium BiPin	48"	**60460**	F28T8/TRITEN®41/ENV/LL	25	4100	85	2725	24000
	Medium BiPin	48"	**60461**	F28T8/TRITEN®35/ENV/LL	25	3500	85	2725	24000
32	Medium BiPin	48"	**60766**	F32T8/TRITEN®50/ULTRA/ENV	25	5000	86	3100	30000
	Medium BiPin	48"	**60784**	F32T8/TRITEN®950/ENV	25	5000	98	2000	24000
	Medium BiPin	48"	**60796**	F32T8/TRITEN®35/ENV	25	3500	86	2950	24000
	Medium BiPin	48"	**60798**	F32T8/TRITEN®41/ENV	25	4100	86	2950	24000
	Medium BiPin	48"	**60800**	F32T8/TRITEN®50/ENV	25	5000	86	2950	24000
59	Single Pin	96"	**60770**	F96T8/TRITEN®50	24	5000	85	5780	18000
T8 U-Bent									
28	Medium BiPin	23"	**60468**	FB28T8/TRITEN®50/6/ENV	20	5000	85	2550	20000
	Medium BiPin	23"	**60469**	FB28T8/TRITEN®41/6/ENV	20	4100	85	2600	20000
	Medium BiPin	23"	**60470**	FB28T8/TRITEN®35/6/ENV	20	3500	85	2600	20000
32	Medium BiPin	22 $^{7}/_{16}$"	**60823**	FB32T8/6/TRITEN®50/ENV	20	5000	85	2750	20000
T10									
40	Medium BiPin	48"	**60760**	F40T10/TRITEN®50®/ENV	25	5000	82	3425	20000
	Medium BiPin	48"	**60761**	F40T10/TRITEN®41®/ENV	25	4100	82	3425	20000
T12									
20	Medium BiPin	24"	**60788**	F20T12/TRITEN®50	30	5000	85	1350	9000
30	Medium BiPin	36"	**60827**	F30T12/TRITEN®50/ENV	30	5000	85	2380	18000
40	Medium BiPin	48"	**60786**	F40T12/TRITEN®41/ULTRA	30	4100	85	3600	24000
	Medium BiPin	48"	**60804**	F40T12/TRITEN®50/ULTRA/ENV	30	5000	85	3600	24000
75	Single Pin	96"	**60805**	F96T12/TRITEN®50/ENV	15	5000	85	6500	12000
110	Recessed D.C.	96"	**60383**	F96T12/TRITEN®50/HO ENV	15	5000	85	9675	12000
T12 U-Bent									
40	Medium BiPin	22 $^{7}/_{16}$"	**60817**	FB40T12/6/TRITEN®50/ENV	12	5000	85	3150	18000

Technical Information

TYPICAL FLUORESCENT LAMP MORTALITY

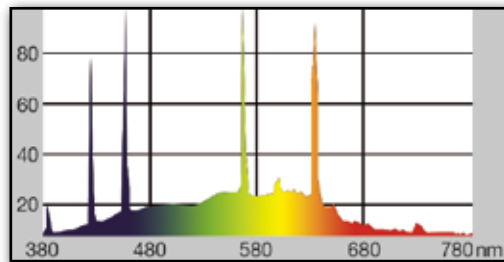**LUMEN MAINTENANCE CURVE**
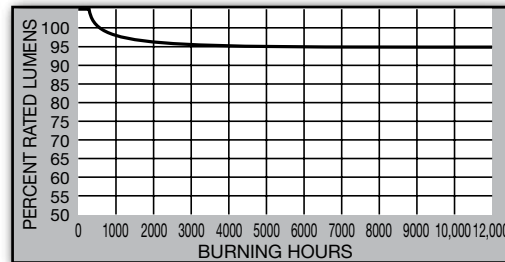
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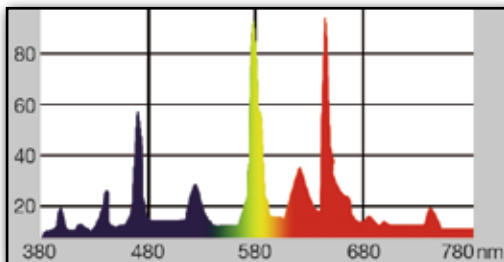
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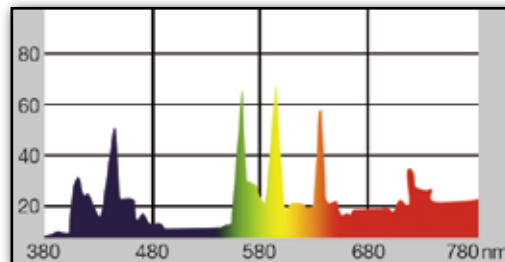
5000K

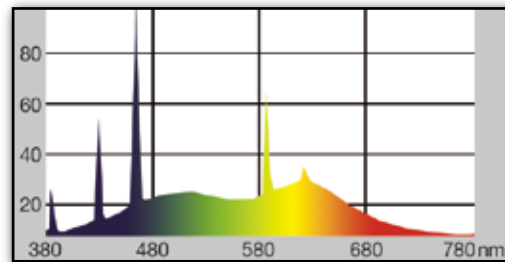**6500K**

General Information

Ballast Recommendations

For optimal performance, lamps should be used with high power factor ballasts that meet ANSI standards specified for the lamp's wattage and operating characteristics (i.e. wattage, HO, VHO). Most lamps are designed to operate on rapid start ballasts. T8 lamps operate on T8 ballasts only, F40T12 and F40T10 lamps both operate on ballasts designed for F40T12 lamps. Use of pre-heat or instant start equipment will result in shorter life or reduced performance. F96T12 lamps are designed to operate on instant start ballasts. For optimum efficiency, electronicballasts should be used wherever possible.

Ambient Temperature

Fluorescent lamps are designed and rated to operate at 60°F. Operating the lamps at higher or lower temperatures results in decreased light output, flickering and/or reduced life. High Output (HO) and Very High Output (VHO) lamps can be operated in temperatures as low as -20°F with a ballast designed for low temperatures.

Color Rendering Index (CRI)

Color Rendering Index (CRI) is a measure of how accurately colors are represented on a scale of 1 to 100 with incandescent light and sunlight at 100. Fluorescent lamps have a wide range of CRI's with the standard being "Cool White" with a CRI in the 60's. CRI's of 70-80 are considered good and 80+ is considered excellent. Since colors are truer with high CRI lamps, colors appear brighter and light levels may appear higher.

Cathode Guard

The use of a cathode guard improves lumen maintenance by reducing end blackening. All Service Guaranteed™ F20T12, F34T12, F40T10, F40T12, F48T12, F72T12, F96T12 and F96T12/HO lamps have cathode guards. VHO and U-Bent lamps are not available with cathode guards.

Envir-O-Light Lamps (ENV)

Lamps designed with reduced mercury content to pass the government's Toxic Characteristic Leaching Process (TCLP) test.

(Hg) Contains mercury. Dispose of according to local, state or federal laws. For more information, go to **www.lamprecycle.org** or call 1-888-417-6222.

Specifications are subject to change without notice, please visit www.centralindustriesUSA.com for latest information.

Visit www.centralindustriesUSA.com
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Specializing in Long-Life, Energy-Saving Lighting Products

CENTRAL INDUSTRIES