



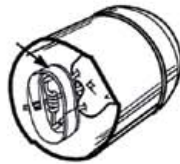
# CENTRAL INDUSTRIES

## SPECTRALITE™ FLUORESCENT LAMPS

### ***BENEFITS OF SPECTRALITE™ FLUORESCENT LAMPS***

- Simulates sunlight
- Improves visual acuity
- High CRI (Color Rendering Index) portrays colors accurately
- Full spectrum to combat Seasonal Affective Disorder (SAD)\*
- Econo-G® and Spectralite™ provide more lumens per watt of energy
- Perfect source for color matching

\* Light therapy is prescribed by doctors for treatment of Season Affective Disorder (SAD). Radiant Lamp Company makes no medical claims.



#### **Cathode Guard**

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

**Recommended Applications:** Hospitals, Retail Environments, Printers, Offices, Schools, Factories



**Call 800-304-8484 or FAX 800-932-1222**

### **Central Industries, Inc.**

*Specializing in Long-Life, Energy-Saving Lighting Products*

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# CENTRAL INDUSTRIES



# Spectralite™ Fluorescent Lamps

Watts	MOL	Order No.	Code Abbreviation	Master Pack	Kelvin	CRI	Lumens	Base
20	24"	60808	F20T12/SPECTRALITE™	30	5900	90	840	Medium BiPin
30	36"	60871	F30T12/SPECTRALITE™	30	5900	90	1550	Medium BiPin
34	48"	60810	F34T12/SPECTRALITE™/ECONO-G® ENV	30	5900	90	1915	Medium BiPin
40	22 <sup>7</sup> / <sub>16</sub> "	60840	FB40T12/6/SPECTRALITE™	12	5900	90	2170	Medium BiPin
40	48"	60762	F40T10/SPECTRALITE™/ENV	25	5900	90	3425	Medium BiPin
40	48"	60812	F40T12/SPECTRALITE™	30	5900	90	2430	Medium BiPin
75	96"	60814	F96T12/SPECTRALITE™	15	5900	90	4340	Single Pin
110	96"	60807	F96T12/SPECTRALITE™/HO	15	5900	90	6070	Recessed D.C.

## 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 preheat 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, electronic ballasts 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.

### Lumens

Lumens are a measurement of light output. Initial lumens are measured on a reference ballast in laboratory conditions after the lamps have been burned for 100 hours. Actual lumen output may vary depending upon ballast characteristics, fixture and ambient temperature.

### Watts

Watts are measured at the lamp and do not take into consideration additional wattage that may be used by the ballast. Lamp watts plus ballast watts equal total watts consumed.

### Lamp Dimensions

Published nominal lamp lengths include the lamp and two standard lamp holders.

### Color Temperature

The illuminated appearance of a lamp is defined by its' color temperature expressed in degrees Kelvin. Color temperature is a simulation of the color observed when a metal object is heated. The lower temperatures begin by glowing red, then white and then blue/white. Light sources with a red-yellow glow and a color temperature of less than 3000 are considered "warm" and color temperatures of over 4000 are considered to be "cool".

### 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 Radiant 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.