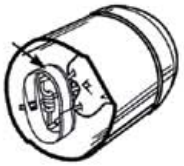
CENTRAL INDUSTRIES

SUPER SERIES FLUORESCENT LAMPS

BENEFITS OF SUPER SERIES FLUORESCENT LAMPS

- Reduced mercury
- Cut energy costs by up to 40% vs. T12 lamps
- Superior lumen maintenance over life of lamp
- Available in a variety of color temperatures



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

Recommended Applications: Warehouses, Schools, Offices, Retail

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

CENTRAL INDUSTRIES

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Super Series Fluorescent Lamps

Watts	MOL	Order No.	Code Abbreviation	Master Pack	Kelvin	CRI	Lumens	Base
32	22 7/16"	60820	FB32T8/6/SUPER735/ENV	20	3500	75	2650	Medium BiPin
32	22 7/16"	60821	FB32T8/6/SUPER741/ENV	20	4100	75	2650	Medium BiPin
32	22 7/16"	60822	FB32T8/6/SUPER750/ENV	20	5000	75	2600	Medium BiPin
32	48"	60789	F32T8/SUPER730/ENV	25	3000	78	2850	Medium BiPin
32	48"	60791	F32T8/SUPER735/ENV	25	3500	78	2850	Medium BiPin
32	48"	60792	F32T8/SUPER741/ENV	25	4100	78	2850	Medium BiPin
32	48"	60794	F32T8/SUPER750/ENV	25	5000	78	2850	Medium BiPin

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.