

# Natural Lite™ Fluorescent Lamps

Description	Light Output Lumens	Energy Used Watts	Maximum Overall Length	KELVIN	CRI	Base
F20T12/Natural Lite™	820	20	24"	5600	91	Med Bi Pin
F30T12/Natural Lite™	1550	30	36"	5600	91	Med Bi Pin
F40T10/Super Natural Lite™	3425	40	48"	5600	91	Med Bi Pin
F40T12/Natural Lite™/U6	1980	40	22 7/16"	5600	91	Med Bi Pin
F40T12/Natural Lite™	2150	40	48"	5600	91	Med Bi Pin
F96T12/Natural Lite™ 2	4365	75	96"	5600	91	Single Pin

## General Information

### Ballast Recommendations

For optimal system performance, use high power factor ballasts which meet ANSI standards. F40T12 lamps operate best on standard 40-watt, rapid start ballasts; preheat operation reduces lamp life by up to 25%. F96T12 lamps are operated on instant start ballast

### Ambient Temperature

Standard ballast will operate lamps down to 50°F. For colder temperatures, down to 0°F, special ballasts are required.

### Lumens

Initial lumens are measured on a reference ballast in laboratory conditions after 100 hours of operation. Actual lumens will vary depending on ballast factor, fixture and ambient temperature.

### Watts

Watts shown are nominal lamp watts measured on a reference ballast and do not include ballasts watts. Actual wattage depends on the specific ballast, lighting fixture and application environment

### Lamp Dimensions

Published nominal lamp length include the lamps and two standard lampholders. For U-Bent lamps, published nominal length is measured from face of base to maximum distance outside point of U. Measurement does not include the base pins. Leg spacing center to center is approximately 6".

### Color Temperature

The lighted appearance of a lamp is defined by its color temperature, expressed in Kelvins or CIE color coordinates. "Cool" sources have a white to blue-white lighted appearance and a color temperature of 4000K or higher. "Warm" sources have a red-yellow lighted appearance and a color temperature of 3000K or lower. Color temperature creates the mood of an illuminated space and can influence work performance and buying behavior. The color temperature of Natural Lite™ is 5600K and the CIE color coordinates are x=0.384, y=0.357

### Color Rendering Index(CRI)

CRI is a measure of how accurately colors are portrayed by a light source. CRI rates light sources on a scale of 0 to 100. Fluorescent lamps have a wide range of CRIs. Lamps with good(70-80 CRI) and excellent (80+ CRI) color rendering are considered "superior quality" because people and objects look more appealing and the light level is perceived to be higher.

### Cathode Guard

All Natural Lite™ Lamps (except U Bent) feature cathode guard which improves lumen maintenance by reducing end-blackening.