



# Daylight Plus™ Linear Fluorescent Lamp Program



## *Guaranteed Service Daylight Plus™ fluorescent lamps*

operate on standard T12 instant start systems. These 6500 Kelvin/ 84 CRI fluorescent lamps are manufactured with special phosphor blends that produce a cool color, strong in blue and green hues. These lamps are used to improve lighting in factories and industrial buildings. By replicating the brightness of daylight, this fluorescent lamp portrays colors most accurately. Daylight Plus enhances the appearance of products in retail applications including jewelry counters, hair salons, apparel and appliance displays.

### **Key Features and Benefits**

- Bright, white appearance
- Enhances product appearance in retail applications
- Improves lighting of work environments such as factories and industrial buildings
- 95% lumen maintenance
- Color temperature of 6500K
- High CRI of 84
- Low mercury - TCLP Compliant (ENV)

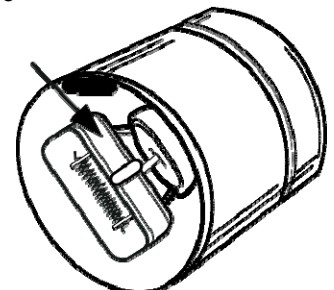
### **Application Information**

For use in applications with existing T12 instant start ballasts, including the following:

Industrial	Retail	Commercial	Offices
Restaurants	Schools	Hospitals	Boutiques

### **Cathode Guard**

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

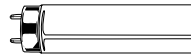


### **Luminaires**

Contact your local fixture agent for available luminaires.

### **Ballast Information**

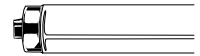
Contact your local ballast agent for available ballast.



T12  
Medium BiPin



T12  
Single Pin



T12  
Recessed D.C.

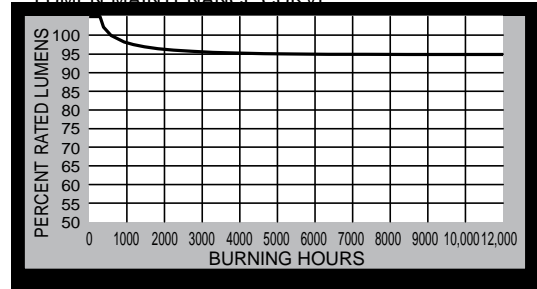
Watts	Base	MOL	Order No.	Code Abbreviation	Master Carton	Kelvin	CRI	Lumens	Average Rated Hours
40	Medium BiPin	48"	60825	F40T12/DaYLIgHTPLuS™/ENV	30	6500	84	2325	20000
75	Single Pin	96"	60833	F96T12/DaYLIgHTPLuS™/ENV	15	6500	84	4500	12000
110	Recessed D.C.	96"	60772	F96T12/DaYLIgHTPLuS™/HO	15	6500	84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

## Technical Information

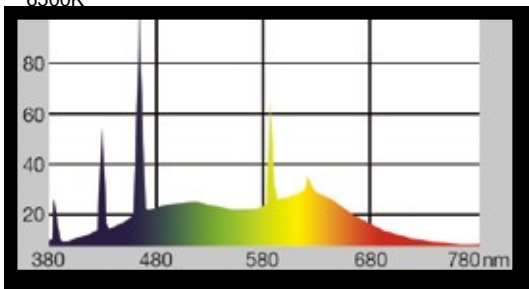
TYPICAL FLUORESCENT LAMP MORTALITY



LUMEN MAINTENANCE CURVE



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, 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.

### 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.