



**Product Number:** 22143

**Order Abbreviation:** FO32/850/ECO

**General Description:** 32W, 48" MOL, T8 OTRON fluorescent lamp, 5000K color temperature, rare earth phosphor, 80 CRI, suitable for IS or RS operation, ECOLOGIC

#### Product Information

Abbrev. With Packaging Info.	FO32850ECO 30/CS 1/SKU
Actual Length (in)	47.780
Actual Length (mm)	1213.61
Average Rated Life (hr)	30000
Base	Medium Bipin
Bulb	T8
Color Rendering Index (CRI)	80
Color Temperature/CCT (K)	5000
Diameter (in)	1.100
Diameter (mm)	27.90
Family Brand Name	OCTRON® ECOLOGIC®
Industry Standards	ANSI C78.81 - 2001
Initial Lumens at 25C	2800
Mean Lumens at 25C	2660
Nominal Length (in)	48.000
Nominal Length (mm)	1219.20
Nominal Wattage (W)	32.00



ECOLOGIC  
TM



#### Footnotes

- The 30,000 hour average rated life of OCTRON® 800 Series lamps is based on operation at 3 hours per start on a QUICKTRONIC® programmed rapid start ballast. Average rated life is 36,000 hours at 12 hours per start on a programmed rapid start ballast. On an instant start ballast, the average rated life is 30,000 hours at 12 hours per start, and 24,000 hours at 3 hours per start.
- Approximate initial lumens after 100 hours operation.
- The life ratings of fluorescent lamps are based on 3 hr. burning cycles under specified conditions and with ballast meeting ANSI specifications. If burning cycle is increased, there will be a corresponding increase in the average hours life.
- Minimum starting temperature is a function of the ballast; consult the ballast manufacturer.
- OCTRON lamps should be operated only with magnetic rapid start ballasts designed to operate 265 mA, T-8 lamps or high frequency (electronic) ballasts that are either instant start, or rapid start, or programmed rapid start specifically designed to operate T8 lamps. OCTRON lamps may be operated on instant start ballasts with ballast factors ranging from a minimum of 0.71 to a maximum of 1.20 at the nominal

ballast input voltage. When OTRON lamps are operated in the instant start mode, the two wires or two contacts of each socket should be connected to each other. They should then be connected to the appropriate ballast lead wire using National Electric Code techniques.

- SYLVANIA ECOLOGIC fluorescent lamps are designed to pass the Federal Toxic Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states. TCLP test results are available upon request. Lamp disposal regulations may vary, check your local & state regulations. For more information, please visit [www.lamprecycle.org](http://www.lamprecycle.org)
- The lamp lumen maintenance factor used to determine the mean lumen value was 95%. This is the lamp lumen maintenance factor at 8000 hours, 40% of 20,000 hours. It was used for comparison to standard OTRON(R) lamps with an average rated life of 20,000 hours. The lamp lumen maintenance factor at 40% of 24,000 hours, 9600 hours, would be 94%. The lamp lumen maintenance factor at 40% of 30,000 hours, 12,000 hours, would be 93%. The lamp lumen maintenance factor at 40% of 36,000 hours, 14,400 hours would also be 93%.