OCTRON® CURVALUME®

FLUORESCENT LAMPS

Application

SYLVANIA OCTRON® CURVALUME® T8 fluorescent lamps deliver high performance characteristics and exceptional energy efficiency.

When OCTRON CURVALUME lamps are operated on instant start electronic ballasts, system efficacy is maximized. In a typical fixture, the optical and thermal efficiency is improved over standard T12 lamps.

CURVALUME lamps are ideal for 2X2 troffers. OCTRON CURVALUME lamps operate on the same ballasts as linear OCTRON T8 lamps providing maintenance ease and color consistency throughout an installation.

Benefits and Features

- Energy efficient CURVALUME T8
  - Retrofit for T12 CURVALUME lamps
  - Energy savings compared to T12*
- 1 5/8" OCTRON CURVALUME
  - 17W, 24W and 31W - 82 CRI, 29W - 85 CRI,
- 3000K, 3500K, 4100K
  (Not all colors available in all wattages)
- 20,000-hour average rated life

Product Availability

Watts**	Leg Spacing	Rated Lumens*** 800 Series
16	1-5/8	1125
24	1-5/8	1925
29	1-5/8	2500
31	1-5/8	2725

**Wattage when operated on rapid start magnetic ballast. Lower wattage with instant start electronic ballast. See technical data
*** Lumens for 3000, 3500, 4100K

Application Information

Applications

- Retail
- Office
- Schools
- Hospitals
- Other general lighting

Application Notes

1. Lamp starting down to 0°F (dependant on ballast) Operation below 50°F may affect lumen output or lamp operation
2. For rapid start operation, check with ballast manufacturer for ground plane requirements.
3. For maximum energy savings, operate OCTRON lamps on electronic instant start ballasts

SYLVANIA

Ordering Guide

FBO	16	/	7	30	XP	SS	ECO
Fluorescent Bent OCTRON®	Wattage 16,24,29,31 watts		8 = 82 or 85 CRI	30 = 3000K 35 = 3500K 41 = 4100K	XP = EXtended Performance	SUPERSAVER	ECO = meets TCLP

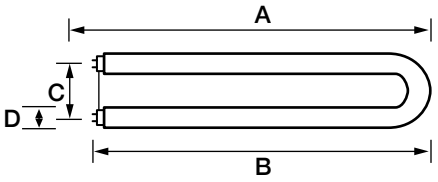
Ordering Information

1-5/8- Inch Leg Spacing

Item Number	Ordering Abbreviation	Wattage (W)	Initial Lumens	Mean Lumens	Average Rated Life (hrs.)*	Nominal Length (inches)	Base	Color Temp.	CRI
21834	FBO/16/830	16	1125	1035	20,000	10.5	Medium Bi-Pin	3000K	82
21835	FBO16/835	16	1125	1035	20,000	10.5	Medium Bi-Pin	3500K	82
21836	FBO16/841	16	1125	1035	20,000	10.5	Medium Bi-Pin	4100K	82
21874	FBO24/830	24	1925	1770	20,000	16.5	Medium Bi-Pin	3000K	82
21875	FBO24/830	24	1925	1770	20,000	16.5	Medium Bi-Pin	3500K	82
21876	FBO24/841	24	1925	1770	20,000	16.5	Medium Bi-Pin	4100K	82
21877	FBO31/830	24	2725	2510	20,000	22.5	Medium Bi-Pin	3000K	82
21878	FBO31/835	31	2725	2510	20,000	22.5	Medium Bi-Pin	3500K	82
21693	FBO31830XPECO 15/CS 1/SKU	31	2775	2600	18000	22.5	Medium bi-pin	3000K	82
21695	FBO31835XPECO 15/CS 1/SKU	31	2775	2600	18000	22.5	Medium bi-pin	3500K	82
21696	FBO31841XPECO 15/CS 1/SKU	31	2775	2600	18000	22.5	Medium bi-pin	4100K	82
22195	FBO29830XPSSECO 15/CS 1/SKU	29	2500	2350	18000	22.5	Medium bi-pin	3000K	85
22196	FBO29835XPSSECO 15/CS 1/SKU	29	2500	2350	18000	22.5	Medium bi-pin	3500K	85
21879	FBO31/841	31	2725	2510	20,000	22.5	Medium Bi-Pin	4100K	82

*Based on 3 hours per start on magnetic rapid start reference ballast

Dimensions



Ordering Abbreviation	(A) MOL (in)	(B) Max. Base Face to Top of Lamp (in)	(C) Base Center to Base Center (in)	(D) Max. Tube Diameter (in)
FBO16	11	10.6	1.625	1.1
FBO24	17	16.6	1.625	1.1
FBO29	23	22.6	1.625	1.1
FBO31	23	22.6	1.625	1.1

Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

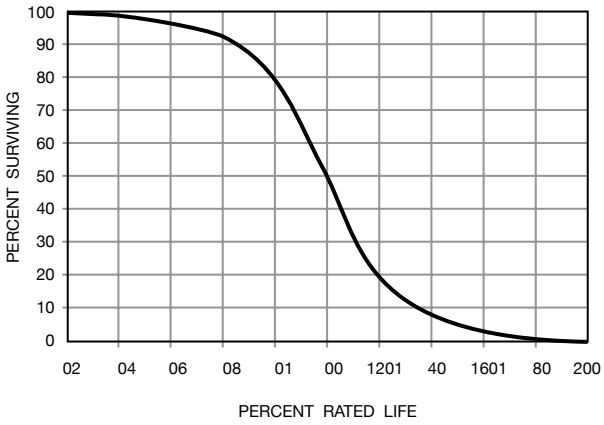
Lamp Comparison

1 5/8" OCTRON CURVALUME vs. DULUX® L (2 & 3-Lamp)

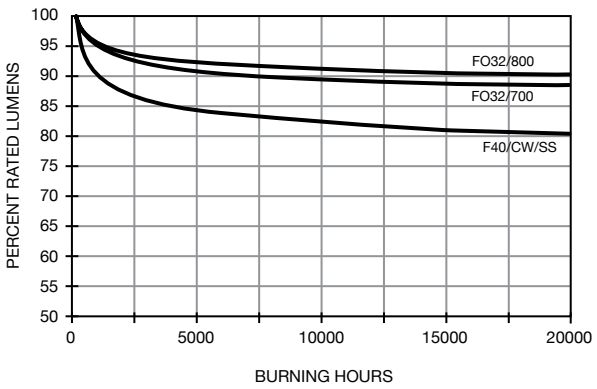
Lamp Type	Ballast	Lamp	Ballast Factor	System Watts	System Lumens*	Mean System Lumens	Mean System LPW	Percent Energy Savings vs. FB40/CW/SS
FB40/CW/6/SS	Energy Saving Magnetic	2	0.88	72	4580	3890	54	0%
FB40/D41/6/SS	Energy Saving Magnetic	2	0.88	72	4805	4180	58	0%
FBO32/741	Electronic Normal Ballast Factor	2	0.9	59	4950	4455	76	18%
FBO32/841	Electronic Normal Ballast Factor	2	0.9	59	5130	4720	80	18%
FBO31/841	Electronic Normal Ballast Factor	2	0.9	57	4905	4510	79	21%
FBO29/835/XP/SS	Electronic Normal Ballast Factor	2	0.77	49	4200	3860	79	32%

See system comparison vs. DULUX® L

Typical Fluorescent Lamp Mortality



Fluorescent Lamp Lumen Maintenance



Sample Specification

Lamp shall be an OCTRON CURVALUME lamp (FBO16, FBO24, FBO29, and FBO31) having medium bi-pin bases and (1 5/8") leg spacing.

Lamp shall have a correlated color temperature of (3000K, 3500K or 4100K), a CRI of (82 or 85) and an average rated life of 15,000 or 18,000 at 3hr/start or 20,000 or 24,000 hrs at 12hr/start. The OCTRON lamp shall be operated on electronic fluorescent ballasts.

LEDVANCE LLC
181 Ballardvale Street, Suite 203
Wilmington, MA 01887 USA
Phone 1-800-LIGHTBULB (1-800-544-4828)
www.ledvanceUS.com

SCAN TO FOLLOW US ON SOCIAL MEDIA