

OCTRON® 800 XV® & XV SUPERSAVER® ECOLOGIC®

EXtended Value Fluorescent Lamps



OCTRON 800 XV ECOLOGIC T8 fluorescent lamps meet today's lighting needs of high efficiency, long life and superior color rendition. With high initial lumens, mean lumens of 94 percent and an average rated life of up to 42,000 hours, these lamps ensure light levels will be maintained for a very long time. A color rendering index (CRI) of up to 83 supports applications where lighting color quality is important. The lamps are available in 4-foot and 8-foot full wattage and SUPERSAVER energy saving options. Engineered with optimized phosphor coatings, these lamps deliver specification grade performance and value to satisfy the most demanding general lighting applications.

Application Information

Applications

- Cove
- Direct/indirect luminaires
- Recessed troffers
- Valance

Application Notes

1. F032/25W, F028 and F030 SUPERSAVER lamps are recommended to be used on F32T8 instant start ballast with minimum open circuit voltage of 550V RMS at the lamp.
 - a. Electronically ballasted fixture configurations which operate lamps remotely, such as Master/Satellite applications, can cause reduction of lamp open circuit voltage, in the remote fixture, below the minimum required for reliable lamp starting. For more information, please call 1-800-LIGHTBULB and ask for Ballast Technical Assistance or call your fixture manufacturer.
 - b. Not recommended to be used: (1) in remotely ballasted fixtures with lamp open circuit voltages below 550V, (2) in air handling fixtures, (3) inverter

Key Features & Benefits

- Specification quality lamps with optimized phosphor blends
- Up to 96% lumens of premium F32T8 lamps
- 94% mean lumens
- Energy saving opportunity with OCTRON XV SUPERSAVER versions
 - up to 22% savings with 25W XV/SS
 - up to 12.5% savings with 28W XV/SS
 - up to 6.5% savings with 30W XV/SS
- Longer life than 700 & 800 series lamps
- Dimmable* (see Application Note 4)
- SUPERSAVER 25W and 28W types meet CEE specifications for T8 replacement lamps
- Up to 83 CRI
- Lead-free
- TCLP and RoHS3 compliant
- Increased life on OSRAM QUICKTRONIC® PROStart® PSX and PSN programmed rapid start ballasts
 - 42,000 hours rated life @ 12 hours per start
- QUICK 60+® system warranty when paired with OSRAM QUICKTRONIC electronic ballasts

ECOLOGIC® is a comprehensive program of SYLVANIA focused on addressing environmental issues at all stages of lamp life.

SYLVANIA OCTRON ECOLOGIC T8 fluorescent lamps pass the Federal Toxic Characteristic Leaching Procedure (TCLP)¹ criteria for classification as non-hazardous waste in most states.²

1. TCLP test results are based on NEMA LL Series standards and are available on request.
2. Lamp disposal regulations may vary; check your local & state regulations.
3. Comply with European Union Restriction of Hazardous Substances Directive (Directive 2002/95/EC)



This light source meets restrictions on hazardous substances.



with US and imported parts

Product Offering

| Lamp Type | Wattage | CCT |
|------------------------|---------|----------------------------|
| F032/25W/800/XV/SS/ECO | 25 | 3000K, 3500K, 4100K, 5000K |
| F028/800/XV/SS/ECO | 28 | 3000K, 3500K, 4100K, 5000K |
| F030/800/XV/SS/ECO | 30 | 3000K, 3500K, 4100K, 5000K |
| F032/800/XV/ECO | 32 | 3000K, 3500K, 4100K, 5000K |
| F096/50W/800/XV/SS/ECO | 50 | 3500K, 4100K |
| F096/54W/800/XV/SS/ECO | 54 | 3500K, 4100K |

operated emergency lighting systems unless any of the above equipment is specifically listed for SUPERSAVER (SS) lamps. Any of the above situations could result in lamp starting and stabilization problems, or system compatibility issues.

2. If a SUPERSAVER lamp is exposed to drafts or the ambient temperature falls below 60°F (70°F for 25W), striation (a rhythmic pulsing pattern of light running down the tube) and/or reduction in lamp brightness may occur. While visually disconcerting, neither behavior is damaging to the lamp and removing the cause (draft or temperature) will return the lamp to normal operation.
3. Fixture must conform to the latest version of the ANSI C78.81 requirements for luminaire design.
4. F096 lamps are not dimmable. For other types contact SYLVANIA sales rep for approved dimming ballasts.



Specification Data

| | |
|-------------|------|
| Catalog # | Type |
| Project | |
| Comments | |
| Prepared by | |

Ordering Information

| Item Number | Ordering Abbreviation | Watts | Nominal Length (in) | Initial Lumens | Mean Lumens ¹ | Lumens per Watt | Average Rated Life | | | | CCT | CRI |
|-------------|------------------------|-------|---------------------|----------------|--------------------------|-----------------|--------------------|---------------|-------------------|---------------|-------|-----|
| | | | | | | | Instant Start | | Prog. Rapid Start | | | |
| | | | | | | | 3 hrs/ start | 12 hrs/ start | 3 hrs/ start | 12 hrs/ start | | |
| 22454* | F032/25W/830/XV/SS/ECO | 25 | 48 | 2400 | 2255 | 96 | 24,000 | 40,000 | 40,000 | 42,000 | 3000K | 83 |
| 22449 | F032/25W/835/XV/SS/ECO | 25 | 48 | 2400 | 2255 | 96 | 24,000 | 40,000 | 40,000 | 42,000 | 3500K | 83 |
| 22450 | F032/25W/841/XV/SS/ECO | 25 | 48 | 2400 | 2255 | 96 | 24,000 | 40,000 | 40,000 | 42,000 | 4100K | 83 |
| 22451 | F032/25W/850/XV/SS/ECO | 25 | 48 | 2400 | 2255 | 96 | 24,000 | 40,000 | 40,000 | 42,000 | 5000K | 81 |
| 21429 | F028/830/XV/SS/ECO | 28 | 48 | 2600 | 2445 | 93 | 24,000 | 40,000 | 40,000 | 42,000 | 3000K | 83 |
| 21420 | F028/835/XV/SS/ECO | 28 | 48 | 2600 | 2445 | 93 | 24,000 | 40,000 | 40,000 | 42,000 | 3500K | 83 |
| 21421 | F028/841/XV/SS/ECO | 28 | 48 | 2600 | 2445 | 93 | 24,000 | 40,000 | 40,000 | 42,000 | 4100K | 83 |
| 21422 | F028/850/XV/SS/ECO | 28 | 48 | 2600 | 2445 | 93 | 24,000 | 40,000 | 40,000 | 42,000 | 5000K | 81 |
| 21428* | F030/830/XV/SS/ECO | 30 | 48 | 2750 | 2585 | 92 | 24,000 | 40,000 | 40,000 | 42,000 | 3000K | 83 |
| 22446 | F030/835/XV/SS/ECO | 30 | 48 | 2750 | 2585 | 92 | 24,000 | 40,000 | 40,000 | 42,000 | 3500K | 83 |
| 22447 | F030/841/XV/SS/ECO | 30 | 48 | 2750 | 2585 | 92 | 24,000 | 40,000 | 40,000 | 42,000 | 4100K | 83 |
| 21427 | F032/830/XV/ECO | 32 | 48 | 2900 | 2725 | 91 | 24,000 | 40,000 | 40,000 | 42,000 | 3000K | 83 |
| 20066 | F032/835/XV/ECO | 32 | 48 | 2900 | 2725 | 91 | 24,000 | 40,000 | 40,000 | 42,000 | 3500K | 83 |
| 20067 | F032/841/XV/ECO | 32 | 48 | 2900 | 2725 | 91 | 24,000 | 40,000 | 40,000 | 42,000 | 4100K | 83 |
| 20068 | F032/850/XV/ECO | 32 | 48 | 2900 | 2725 | 91 | 24,000 | 40,000 | 40,000 | 42,000 | 5000K | 81 |
| 21426 | F096/50W/835/XV/SS/ECO | 50 | 96 | 5100 | 4795 | 103 | 24,000 | 36,000 | N/A | N/A | 3500K | 83 |
| 21425 | F096/50W/841/XV/SS/ECO | 50 | 96 | 5100 | 4795 | 103 | 24,000 | 36,000 | N/A | N/A | 4100K | 83 |
| 21423 | F096/54W/835/XV/SS/ECO | 54 | 96 | 5400 | 5075 | 100 | 24,000 | 36,000 | N/A | N/A | 3500K | 83 |
| 21424 | F096/54W/841/XV/SS/ECO | 54 | 96 | 5400 | 5075 | 100 | 24,000 | 36,000 | N/A | N/A | 4100K | 83 |

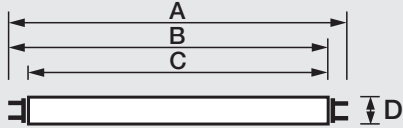
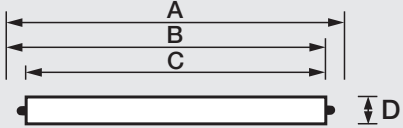
* Discontinued with inventory.

1. Measured at 40% of rated life.

Ordering Guide

| FO | 30 | / | 8 | 35 | / | XV | / | SS | / | ECO |
|------------------------|---|---|------------------------|---|---|-------------------|---|------------|---|-----------|
| Fluorescent OCTRON® | Actual Wattage 25, 28, 30 or 32 Watts or Length (in.) 96 | | Actual CRI 83 or 81 | Color Temperature 30 = 3000K CCT 35 = 3500K CCT 41 = 4100K CCT 50 = 5000K CCT | | XV=Extended Value | | SUPERSAVER | | ECOLOGIC® |

Lamp Dimensions

| Lamp Type | (A) Max. Overall Length (in.) | (B) Base Face to Opposite Pin (in.) | (C) Max. Base Face to Base Face (in.) | (D) Max. Outside Diameter (in.) | |
|----------------------------------|-------------------------------|-------------------------------------|---------------------------------------|---------------------------------|--|
| F032 F030 F028 F032/25W | 47.78 | Min. 47.41 Max. 47.50 | 47.22 | 1.1 |  |
| F096 | 94.00 | Min. 93.42 Max. 93.65 | 93.30 | 1.1 |  |

Sample Specification

Lamp shall be OCTRON® 800 XV® or OCTRON 800 XV SUPERSAVER® ECOLOGIC® (25W, 28W, 30W, 32W, 50W, 54W) lamp having medium bi-pin or single-pin bases. Lamp shall be designed to pass the Federal TCLP test in force at the time of manufacture. Lamps shall have initial lumens of (2400, 2600, 2750, 2900, 5150, 5400), mean lumens of (2255, 2445, 2585, 2725, 4840, 5075) and a correlated color temperature of (3000, 3500, 4100 or 5000) Kelvin. Lamp shall have an average rated life of (24,000, 36,000, 40,000, 42,000) on (instant start, programmed rapid start) ballasts, 94% lumen maintenance at 40% of rated life and a CRI of 81 or 83. The OCTRON XV or OCTRON XV SUPERSAVER ECOLOGIC lamp shall be operated on OSRAM QUICKTRONIC® electronic, high frequency ballasts with complete system warranty from the manufacturer covering lamps and ballast.

Related Literature

For maximum energy savings consider pairing with the following electronic ballasts:

OSRAM Ballast Technology Applications & Specification Guide (Literature code: ECS-Electronic2009)

QUICK 60+® System Warranty (Literature code: ECS140)

