

# OCTRON® 800 XP® ECOLOGIC®3

## EXtended Performance Fluorescent Lamps



SYLVANIA OCTRON 800 XP ECOLOGIC fluorescent lamps provide up to 42% longer life, higher initial and maintained lumens, improved color rendition and longer re-lamp periods compared to 700 Series T8 lamps.

For maximum energy savings, operate OCTRON 800 XP ECOLOGIC lamps on QUICKTRONIC high efficiency instant start ballasts. For longer life and optimal performance on occupancy sensors, pair with QUICKTRONIC PROStart® programmed rapid start ballasts.

### Key Features & Benefits

- Superior performance lamps for existing 800 series T8 instant start systems
  - Higher initial and mean lumens
  - 40,000 hours average life @ 12 hrs/start
  - Improved CRI – 85
  - Extend relamp cycles
  - Reduce lighting maintenance costs
- Longer life on programmed rapid start ballasts
  - 42,000 hours average life @ 12 hrs/start
- 94% mean lumens
- QUICK 60+® System Warranty when paired with QUICKTRONIC electronic ballasts
- Lead free glass
- Made in the USA
- TCLP and RoHS compliant

### Product Offering

| Lamp Type        | Watts | Nominal Length (in.) | CCT                                      |
|------------------|-------|----------------------|------------------------------------------|
| F017/800/XP/EC03 | 17    | 24                   | 2700K, 3000K, 3500K, 4100K, 5000K, 6500K |
| F025/800/XP/EC03 | 25    | 36                   | 3000K, 3500K, 4100K, 5000K, 6500K        |
| F032/800/XP/EC03 | 32    | 48                   | 2700K, 3000K, 3500K, 4100K, 5000K, 6500K |
| F040/800/XP/EC03 | 40    | 60                   | 3000K, 3500K, 4100K, 6500K               |
| F048/835/XP/ECO  | 28    | 48                   | 3500K                                    |
| F072/835/XP/ECO  | 44    | 72                   | 3500K                                    |
| F096/800/XP/EC03 | 59    | 96                   | 3000K, 3500K, 4100K, 5000K               |

### Application Information

#### Applications

- Healthcare
- Industrial
- Office
- Retail
- Schools

#### Application Notes

1. Lamps starting down to 0°F (dependent on ballast)
2. Operation below 50°F may affect lumen output or lamp operation.
3. For cold temperature applications, use in enclosed fixture or use tube guard to maximize lamp performance.
4. For rapid start operation, check with ballast manufacturer for ground plane requirement.
5. For maximum energy savings, operate on high efficiency electronic instant start ballast.
6. These lamps may help facilitate compliance with national energy codes such as ASHRAE/IES 90.1 or IECC and state energy codes such as California Title 24. For more information contact your local building inspection office.

SYLVANIA OCTRON 800 XP ECOLOGIC3 fluorescent lamps are designed to satisfy the Federal Toxicity Characteristic Leaching Procedure (TCLP) criteria for classification as non-hazardous waste in most states.\*

ECOLOGIC3 represents a more comprehensive approach to sustainability encompassing high efficiency, long life and RoHS/TCLP compliance.

\*Regulations may vary. Check your local and state regulations.



**ecologic3**



Specification Data

Fixture Description:

Type

Project/Job:

SYLVANIA lamp:

SYLVANIA ballast:

Notes:

Ordering Information

| Item Number               | Ordering Abbreviation | Watts | Nominal Length (in) | Initial Lumens | Mean Lumens <sup>1</sup> | Lumens per Watt | Average Rated Life |              |             |              | CCT   | CRI |
|---------------------------|-----------------------|-------|---------------------|----------------|--------------------------|-----------------|--------------------|--------------|-------------|--------------|-------|-----|
|                           |                       |       |                     |                |                          |                 | Instant Start      | Programmed   | Rapid Start |              |       |     |
|                           |                       |       |                     |                |                          |                 | 3 hrs/start        | 12 hrs/start | 3 hrs/start | 12 hrs/start |       |     |
| OCTRON® 800 XP® ECOLOGIC® |                       |       |                     |                |                          |                 |                    |              |             |              |       |     |
| 21587                     | F017/827/XP/EC03      | 17    | 24                  | 1375           | 1290                     | 81              | 24,000             | 40,000       | 40,000      | 42,000       | 2700K | 85  |
| 21785                     | F017/830/XP/EC03      | 17    | 24                  | 1375           | 1290                     | 81              | 24,000             | 40,000       | 40,000      | 42,000       | 3000K | 85  |
| 21778                     | F017/835/XP/EC03      | 17    | 24                  | 1375           | 1290                     | 81              | 24,000             | 40,000       | 40,000      | 42,000       | 3500K | 85  |
| 21907                     | F017/841/XP/EC03      | 17    | 24                  | 1375           | 1290                     | 81              | 24,000             | 40,000       | 40,000      | 42,000       | 4100K | 85  |
| 22193                     | F017/850/XP/EC03      | 17    | 24                  | 1375           | 1290                     | 81              | 24,000             | 40,000       | 40,000      | 42,000       | 5000K | 85  |
| 21718                     | F017/865/XP/EC03      | 17    | 24                  | 1250           | 1175                     | 74              | 24,000             | 40,000       | 40,000      | 42,000       | 6500K | 85  |
| 21910                     | F025/830/XP/EC03      | 25    | 36                  | 2175           | 2045                     | 87              | 24,000             | 40,000       | 40,000      | 42,000       | 3000K | 85  |
| 21776                     | F025/835/XP/EC03      | 25    | 36                  | 2175           | 2045                     | 87              | 24,000             | 40,000       | 40,000      | 42,000       | 3500K | 85  |
| 21774                     | F025/841/XP/EC03      | 25    | 36                  | 2175           | 2045                     | 87              | 24,000             | 40,000       | 40,000      | 42,000       | 4100K | 85  |
| 22194                     | F025/850/XP/EC03      | 25    | 36                  | 2175           | 2045                     | 87              | 24,000             | 40,000       | 40,000      | 42,000       | 5000K | 85  |
| 21719                     | F025/865/XP/EC03      | 25    | 36                  | 2175           | 2045                     | 87              | 24,000             | 40,000       | 40,000      | 42,000       | 6500K | 85  |
| 22039                     | F032/827/XP/EC03      | 32    | 48                  | 3000           | 2820                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 2700K | 85  |
| 21759                     | F032/830/XP/EC03      | 32    | 48                  | 3000           | 2820                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 3000K | 85  |
| 21763                     | F032/835/XP/EC03      | 32    | 48                  | 3000           | 2820                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 3500K | 85  |
| 21767                     | F032/841/XP/EC03      | 32    | 48                  | 3000           | 2820                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 4100K | 85  |
| 22026                     | F032/850/XP/EC03      | 32    | 48                  | 3000           | 2820                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 5000K | 85  |
| 21720                     | F032/865/XP/EC03      | 32    | 48                  | 3000           | 2820                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 6500K | 85  |
| 21912                     | F040/830/XP/EC03      | 40    | 60                  | 3750           | 3525                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 3000K | 85  |
| 21911                     | F040/835/XP/EC03      | 40    | 60                  | 3750           | 3525                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 3500K | 85  |
| 21916                     | F040/841/XP/EC03      | 40    | 60                  | 3750           | 3525                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 4100K | 85  |
| 21721                     | F040/865/XP/EC03      | 40    | 60                  | 3750           | 3525                     | 94              | 24,000             | 40,000       | 40,000      | 42,000       | 6500K | 85  |
| 21599                     | F048/835/XP/ECO       | 28    | 48                  | 2850           | 2680                     | 102             | 24,000             | 36,000       | —           | —            | 3500K | 85  |
| 21598                     | F072/835/XP/ECO       | 44    | 72                  | 4650           | 4370                     | 106             | 24,000             | 36,000       | —           | —            | 3500K | 85  |
| 22036                     | F096/830/XP/EC03      | 59    | 96                  | 6100           | 5730                     | 103             | 24,000             | 36,000       | —           | —            | 3000K | 85  |
| 22034                     | F096/835/XP/EC03      | 59    | 96                  | 6100           | 5730                     | 103             | 24,000             | 36,000       | —           | —            | 3500K | 85  |
| 22032                     | F096/841/XP/EC03      | 59    | 96                  | 6100           | 5730                     | 103             | 24,000             | 36,000       | —           | —            | 4100K | 85  |
| 22174                     | F096/850/XP/EC03      | 59    | 96                  | 6100           | 5730                     | 97              | 24,000             | 36,000       | —           | —            | 5000K | 85  |

1. Measured at 40% of rated life.

Ordering Guide

| FO                    | 32                                                | / | 8        | 35                                                             | XP                      | / | EC03      |
|-----------------------|---------------------------------------------------|---|----------|----------------------------------------------------------------|-------------------------|---|-----------|
| Fluorescent<br>OCTRON | Wattage:<br>17, 25, 28, 32,<br>40, 44 or 59 watts |   | 8=85 CRI | 27=2700K, 30=3000K<br>35=3500K, 41=4100K<br>50=5000K, 65=6500K | EXtended<br>Performance |   | ECOLOGIC3 |