



# PRODUCT DATASHEET

## FO ECO 59 850

SYLVANIA OCTRON® 800 ECOLOGIC® Instant Start Fluorescent Lamps | Instant start T8 lamps offering great color, lumen stability, and efficiency





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### Areas of application

- Cove
- Strip light fixture
- Valance

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## Product features

- Energy efficient T8 lamp
- Lead-free, TCLP, & RoHS compliant
- Compatible with QUICKTRONIC® electronic ballasts
- 8ft nominal length
- Available in 3500K, 4100K, and 5000K
- 59W
- 82 CRI

## TECHNICAL DATA

### Additional product data

|                              |                                                                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Base type                    | Fa8                                                                                                                                 |
| Mercury content              | 8.5 mg                                                                                                                              |
| Ordering Abbreviation        | FO96850ECO                                                                                                                          |
| Abbrev. With Packaging Info. | FO96850ECO 24/CS 1/SKU                                                                                                              |
| SKU UPC                      | 0046135221736                                                                                                                       |
| NAED                         | 22173                                                                                                                               |
| Family Brand Name            | OCTRON® 800, ECOLOGIC®                                                                                                              |
| General Description          | 59W, 96" MOL, T8 OCTRON fluorescent lamp, 5000K color temperature, rare earth phosphor, 80 CRI, suitable for IS operation, ECOLOGIC |

### Electrical data

|                                     |                                                           |
|-------------------------------------|-----------------------------------------------------------|
| Nominal Wattage                     | 59.00 W                                                   |
| Rated lamp efficacy (HF data 25 °C) | Under clarification by authority and standardization body |

### Photometrical data

|                                     |                                                           |
|-------------------------------------|-----------------------------------------------------------|
| Lumens                              | 5900 lm                                                   |
| Efficacy                            | 100                                                       |
| Color Temperature/CCT               | 5000 K                                                    |
| Color Rendering Index (CRI)         | 80                                                        |
| Light color                         | 850                                                       |
| Rated lamp efficacy (HF data 25 °C) | Under clarification by authority and standardization body |
| Mean Lumens at 35C                  | 5,428 lm                                                  |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Overall length | 2387.60 mm |
| Diameter       | 1.1 in     |
| Tube diameter  | 26 mm      |
| Product weight | 0.74 lb    |

### Materials & Colors

|            |    |
|------------|----|
| Bulb shape | T8 |
|------------|----|

### Application & Mounting

|                 |               |
|-----------------|---------------|
| Starting Method | INSTANT START |
|-----------------|---------------|

## Lifespan

|                                      |                       |
|--------------------------------------|-----------------------|
| Service life                         | 18000 h <sup>1)</sup> |
| Average Rated Life (hr)              | 15000                 |
| Life at 12 hrs./start on IS ballasts | 24000                 |
| Life at 3 hrs./start on IS ballasts  | 18000                 |

1) With preheat ECG

## Logistical data

|                   |               |
|-------------------|---------------|
| SKU Qty           | 1             |
| Case Qty          | 24            |
| Case Length (in)  | 95.220        |
| Case Width (in)   | 6.940         |
| Case Depth (in)   | 5.350         |
| Case Cube (ft)    | 2.046         |
| Case Weight (lbs) | 20.008        |
| SKU UPC           | 0046135221736 |
| Pallet Qty        | 960           |

## Safety advice

- Lamps starting down to -20°F (dependent on ballast)
- Operation below 50°F may affect lumen output or lamp operation
- For cold temp applications, use in enclosed fixtures or use tube guards to maximize performance.
- For rapid start operation, check with ballast manufacturer for ground plane requirements.
- For maximum energy savings, operate on electronic instant start ballast.
- Contains Mercury – Dispose of according to Local, State or Federal laws

## DOWNLOAD DATA

| Spec Sheets and Product Documents                                                  |                           | Document name                         |
|------------------------------------------------------------------------------------|---------------------------|---------------------------------------|
|  | Product Family Spec Sheet | OCTRON 800 ECOLOGIC Fluorescent Lamps |

## DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.