

PRODUCT DATASHEET

FP ECO 35W 835

SYLVANIA PENTRON® 800 ECOLOGIC® High Performance T5 Linear Fluorescent Lamps | High performance T5 lamps offering flexible design and crisp, quality light



Areas of application

- Cove and valance
- Direct/indirect luminaires
- Façade luminaires
- Low profile surface mount
- Shallow recessed fixtures
- Showcase
- Signage

Product features

- Up to 104 LPW
- 95 % lumen rating ensures light levels are maintained while saving energy
- Peak lumen output at 95°F (35°C)
- Dimmable
- Ideal for occupancy sensor
- Up to 36,000 hours lamp life
- TCLP and RoHS compliant
- Lead free glass
- Greater luminaire design flexibility
- CRI 85



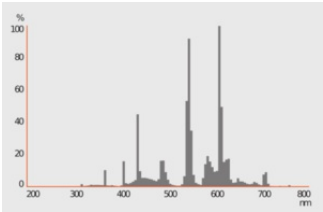
TECHNICAL DATA

Electrical data

| | |
|-------------------------------------|---|
| Nominal wattage | 35 W |
| Construction wattage | 35.00 W |
| Rated lamp efficacy (HF data 25 °C) | Under clarification by authority and standardization body |

Photometrical data

| | |
|-------------------------------------|---|
| Luminous flux | 3300 lm |
| Luminous efficacy | 94 lm/W |
| Color temperature | 3500 K |
| Color rendering index Ra | 85 |
| Light color | 835 |
| Rated lamp efficacy (HF data 25 °C) | Under clarification by authority and standardization body |



349644_FL_835

Dimensions & Weight

| | |
|---|------------|
| Overall length | 1449.00 mm |
| Length with base excl. base pins/connection | 549,00 mm |
| Diameter | 17.02 mm |
| Tube diameter | 16 mm |
| Product weight | 137.00 g |

Additional product data

| | |
|-----------------------------|--|
| Base (standard designation) | G5 |
| Mercury content | 1.7 mg |
| Product remark | Suitable for ECG operation only / Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C |
| NAED | 20926 |

Capabilities

| | |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Country-specific categorizations

| | |
|-----------------|----------------|
| Order reference | FP 35W/835/ECO |
|-----------------|----------------|


Energy labelling regulation data acc EU 2019/2015


| | |
|---|------------|
| Light source cap-type (or other electric interface) | G5 |
| Length | 1449.00 mm |
| Height | 17.02 mm |
| Width | 17.02 mm |

Safety advice

- PENTRON ECO lamps are about 2" shorter than T8 & T12 Bi-Pin lamps.
- Miniature Bi-Pin bases will not install into T8 & T12 sockets.
- Miniature Bi-Pin bases require UL Listed 600 Volt rated sockets.
- Requires programmed rapid start electronic ballasts with end-of-lamp life sensing circuit.
- PENTRON ECO should be operated at same current between all nominal lengths.
- Apply thermal factor in calculations for use in exterior or unheated applications.

DOWNLOAD DATA

| Documents and certificates | Document name |
|---|---------------------------------------|
|  Product information bulletin | PENTRON ECOLOGIC T5 Fluorescent Lamps |

| Photometric and lighting design files | Document name |
|---|---------------|
|  Spectral power distribution | 349644_FL_835 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|----------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 0046135209260 | Unpacked 1 | | 137.00 g | |
| 10046135209267 | Shipping box 40 | 1,492 mm x 206 mm x 84 mm | 6051.00 g | 25.80 dm ³ |

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

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