

PRODUCT DATASHEET

FP HO ECO 54W 850

SYLVANIA PENTRON® 800 HO ECOLOGIC® High Output T5 Linear Fluorescent Lamps | High output T5 lamps delivering strong lumen performance in compact designs



Areas of application

- Canopy lighting
- High bay fixtures
- Suspended Direct/Indirect luminaires
- Security lighting
- Signage
- Cove

Product features

- Up to 45,000 hours lamp life
- High efficacy: 94 LPW
- 93 % lumen rating ensures light levels are maintained while saving energy
- Peak lumen output at 95°F (35°C)
- Greater luminaire design flexibility
- Small lamp profile allows for more compact, high light output options
- TCLP and RoHS compliant
- Lead free glass
- CRI 85



TECHNICAL DATA

Electrical data

Nominal wattage	54 W
Construction wattage	54.00 W
Rated lamp efficacy (HF data 25 °C)	Under clarification by authority and standardization body

Photometrical data

Luminous flux	4300 lm
Luminous efficacy	79 lm/W
Color temperature	5000 K
Color rendering index Ra	85
Light color	850
Rated lamp efficacy (HF data 25 °C)	Under clarification by authority and standardization body

Dimensions & Weight

Overall length	1163.32 mm
Diameter	17.02 mm
Tube diameter	16 mm
Product weight	110.00 g

Additional product data

Base (standard designation)	G5
Mercury content	2.6 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	20949

Capabilities

Dimmable	No
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Country-specific categorizations

Order reference	54W/850 VS40 EN
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Energy labelling regulation data acc EU 2019/2015


Light source cap-type (or other electric interface)	G5
Length	1163.07 mm
Height	17.02 mm

Width	17.02 mm
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Safety advice

- PENTRON HO 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.
- Apply thermal factor in calculations for use in exterior or unheated applications.

DOWNLOAD DATA

Spec Sheets and Product Documents		Document name
	Product information bulletin	PENTRON HO ECOLOGIC T5 Fluorescent Lamps

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
0046135209499	Unpacked 1		110.00 g	
10046135209496	Shipping box 40	1,190 mm x 170 mm x 78 mm	5018.00 g	15.78 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.