



**Double End Power**

Replaces 4' T5  
Fluorescent Tubes

**Highlights**

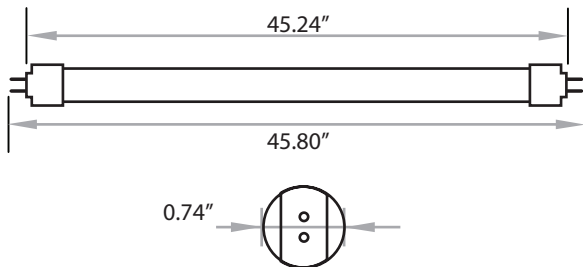
The TGS ECO™ HP T5 lamp offers an easy and safe energy-saving retrofit solution for fluorescent T5 or T5 HO tubes, with up to 140 lumens per watt. The long-lasting and high-quality ECO™ HP T5 is powered by bypassing the ballasts and line voltage wiring.

The ECO™ HP T5 lamp provides superior quality uniform, flicker-free lighting in a compact package. It uses about half the energy as fluorescent T5 tubes, with up to 70% reduction of overall operating costs. The UL, cUL, and RoHS certified lamps are available in 4' lengths, in 25W, with the form, fit and function of traditional T5 fluorescent lamps. The ECO™ HP T5 is constructed with a glass optical diffuser, which provides a wide beam angle of 180° for comprehensive spatial illumination.

Featuring a unique advanced heat sink technology that ensures maximum thermal management, the ECO™ HP T5 is backed by a 5 year/50,000 hour warranty for a long life of maintenance-free service. Available CCT's are 3500K, 4000K, and 5000K.

**Product Dimensions**

Length: 45.80 in (1163.2mm) [Pin to Pin]      Weight: 0.53 lbs (240g)  
Length: 45.24 in (1149mm) [Cap to Cap]      Diameter: 0.74 in (18.95mm)



**Optical Details**

System Efficacy	140 LpW
Lumen Output	3,500 lm
CCT	3500K, 4000K, 5000K
Beam Angle	240°
CRI	>82

**Electrical Details**

Input Voltage	120-277V AC
Power Frequency	50-60 Hz
Power Factor	>0.90
Total Harmonic Distortion	<20%
Dimmable	No

**Other Details**

System Power Usage	25W
Fixture Material	Glass Cover
Ingress Protection	Suitable For Damp Locations
Luminaire Net Weight	0.53 lbs (240g)
L70	50,000+ Hours
Operating Temperature	-4°~113°F
Product Dimension	45.80x0.74 in (pin to pin)
Replaces (HID, CFL, MH, HPS, Fluor)	T5 Fluorescent

**Application**

• Offices	• Hospitals
• Industrial Shops	• Hotels
• Schools	• High / Low Bay
• Commercial Buildings	• Troffers / Strips

**Pin Type**

• G5 Pin (Bipin)
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Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at [www.designlights.org/qpl](http://www.designlights.org/qpl).



# Ordering Information

**EXAMPLE NUMBER: 834125-40-B-GD-T5**

83	Length	Wattage	CCT	Type	Lens Cover	Tube Type
Eco HP T5 (Type B)	41 - 48"	25 - 25W	50 - 5000K 40 - 4000K 35 - 3500K	B	GD	T5 - T5 Tubes

**SKU Numbers:**

SKU Number	Base Type	Wattage	Color Temp (K)	Dimensions	Lumens (lm)	Input Voltage	Warranty	DLC® Qualified
834125-50-B-GD-T5	G5	25W	5000	45.80"x0.74"	3,500	120-277V	5 year	Yes
834125-40-B-GD-T5	G5	25W	4000	45.80"x0.74"	3,500	120-277V	5 year	Yes
834125-35-B-GD-T5	G5	25W	3500	45.80"x0.74"	3,300	120-277V	5 year	Yes



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