Maximize energy savings without sacrificing light output

T5 High Output Energy Advantage

Philips Energy Advantage T5 HO 49W lamps are environmentally-responsible, ultra-slim and have extraordinary light output with increased energy savings.

Benefits

- Outstanding energy savings - save 5 watts when switching from a standard T5 HO 54W lamp, with no sacrifice to performance.
- Sustainable Lighting Solution - only 1.4 mg of mercury per lamp - the lowest mercury levels in the industry.
- With just 12 Picograms per lumen hour◊, these lamps allow for more design freedom and help exceed all LEED requirements (For more information on LEED, please visit www.usgbc.org)

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Features

- Reduced maintenance and disposal costs.
- Long life (40,000 hrs RAL**) for an extended relamping cycle.
- Outstanding energy savings - save 5 watts when switching from a standard T5 HO 54W lamp, with no sacrifice to performance.
- Save $20.00 instantly in energy costs over the rated average life§ of the lamp
- Operates on any Programmed Start ballast.
- Sustainable lighting solution- Reduces the impact on the environment: low mercury, energy efficiency, long life, and less material.
- Only 1.4 mg of mercury, the lowest in the industry.
- With just 9.8 Picograms per lumen hour◊, these lamps allow for more design freedom and help exceed all LEED requirements‡.
- Extreme Temperature lamp provides extraordinary output even in spaces without climate control. Lumen output is >90% from 65 degrees F to 170 degrees F due to amalgam technology.
- Available in 49 Watt - 3000K, 3500K, 4100K and 5000K Color Temperatures.

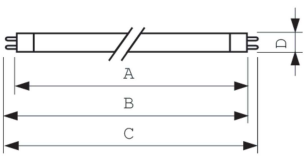
Application

- Ideal for medium-bay and high-bay retail and industrial applications.

Versions

LPPR TL5ECO PHL

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
F54T5 835 HO EA ALTO 49W	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
F54T5 841 HO EA ALTO 49W	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
F54T5 850 HO EA ALTO 49W	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm

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General Information	
Cap-Base	G5
Light Technical	
Color rendering index (CRI)	82
Operating and Electrical	
Lamp Current (Nom)	0.460 A
Power Consumption	48.0 W
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	T5
Approval and Application	
Mercury (Hg) Content (Nom)	1.4 mg

Light Technical

Order Code	Full Product Name	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
927991983531	F54T5 835 HO EA ALTO 49W	White (WH)	3500 K	93 lm/W	5,000 lm
927991984031	F54T5 841 HO EA ALTO 49W	Cool White (CW)	4100 K	93 lm/W	5,000 lm

Order Code	Full Product Name	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
927991985031	F54T5 850 HO EA ALTO 49W	Daylight	5000 K	89 lm/W	4,800 lm

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