



# T5 High Output Energy Advantage

## F54T5/835/HO/EA/ALTO 49W 40/1

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

### Product data

General Information	
Base	G5 [ G5]
Life to 50% Failures Preheat (Nom)	30000 h
Features	HO EA [ High Output Energy Advantage]
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	99 %
LSF Preheat 20000 h Rated	94 %
Light Technical	
Color Code	835 [ CCT of 3500K]
Initial lumen (Nom)	5000 lm
Luminous Flux (Rated) (Nom)	4450 lm
Color Designation	White (WH)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	102 lm/W
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	93 lm/W
Color Rendering Index (Max)	85
Color Rendering Index (Min)	80

Color Rendering Index (Nom)	82
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 20000 h Rated	90 %

### Operating and Electrical

Power (Rated) (Nom)	48.0 W
Lamp Current (Nom)	0.460 A

### Temperature

Design Temperature (Nom)	35 °C
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### Controls and Dimming

Dimmable	Yes
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### Approval and Application

Energy Efficiency Label (EEL)	A
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## T5 High Output Energy Advantage

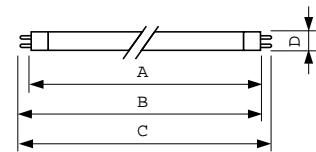
Mercury (Hg) Content (Nom)	1.4 mg
<b>Product Data</b>	
Order product name	F54T5 835 HO EA ALTO 49W
EAN/UPC - Product	046677220501
Order code	220509

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927991983531
Net Weight (Piece)	104.500 g

### Warnings and Safety

• Lamp contains mercury. Manage in Accord with Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or 1-800-555-0050

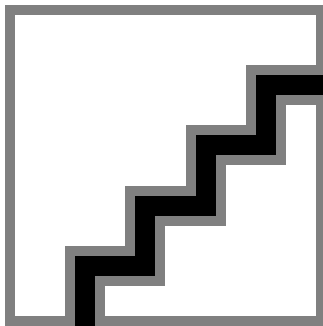
### Dimensional drawing



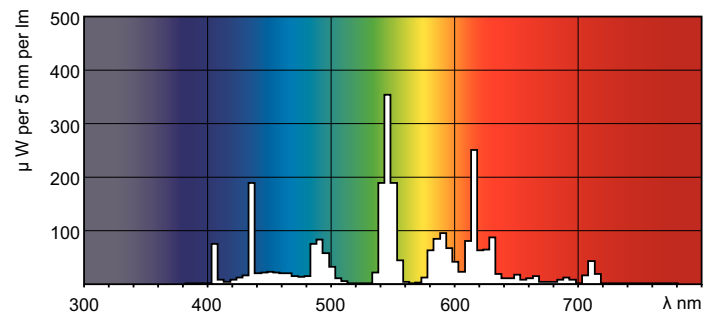
Product	D (max)	A (max)	B (max)	B (min)	C (max)
F54T5 835 HO EA ALTO 49W	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

TL5 HO Eco F54T5/835 HO EA 49W

### Photometric data



LDPB\_TL5ECO\_835-Spectral power distribution B/W

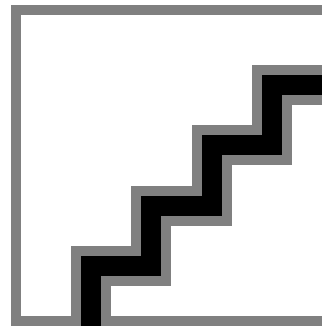
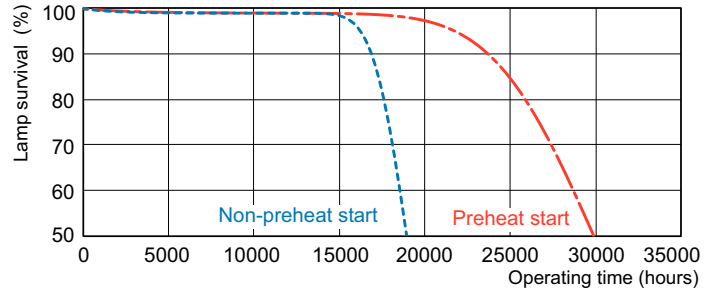


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## Lifetime



LDLE\_TL5ECO\_0001-Life expectancy diagram



LDLM\_TL5ECO\_0001-Lumen maintenance diagram

