



# T5 Energy Advantage

## F54T5/835/HO/XEW/ALTO/44W

Philips Energy Advantage T5 lamps featuring ALTO Lamp Technology offer ultimate energy savings without any sacrifice to light levels.

### Product data

General Information	
Cap-Base	G5 [ G5]
Life to 50% Failures Preheat (Nom)	30000 h
Features	HO XEW Alto® [ High Output Energy Advantage Alto]
LSF Preheat 2000 h Rated	100 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	98 %
LSF Preheat 20000 h Rated	97 %

Light Technical	
Color Code	835 [ CCT of 3500K]
Initial lumen (Nom)	4500 lm
Luminous Flux (Rated) (Nom)	3900 lm
Color Designation	White (WH)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	102 lm/W
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	91 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)	44 W
Lamp Current (Nom)	0.460 A

Temperature	
Design Temperature (Nom)	35 °C

Controls and Dimming	
Dimmable	Yes

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg

Product Data	
Order product name	F54T5/835/HO/XEW/ALTO/44W
EAN/UPC - Product	046677417819
Order code	417816
Numerator - Quantity Per Pack	1

## T5 Energy Advantage

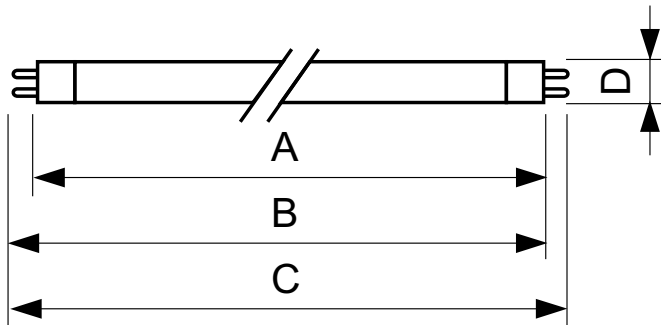
Numerator - Packs per outer box	40
Material Nr. (12NC)	927992883531
Net Weight (Piece)	104.500 g

ILCOS Code	FDH-44/35/1B-L/P-G5-16/1150
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### 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

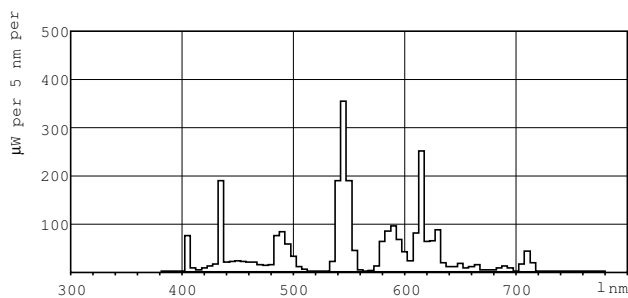
### Dimensional drawing



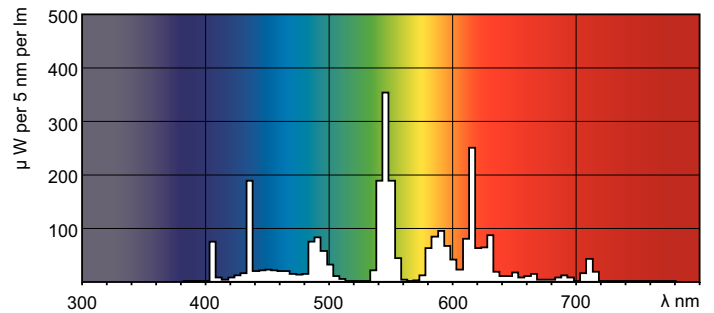
Product	D (max)	A (max)	B (max)	B (min)	C (max)
F54T5/835/HO/XEW/ ALTO/44W	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

TL5 HO EcoPlus 44=54W/835

### Photometric data

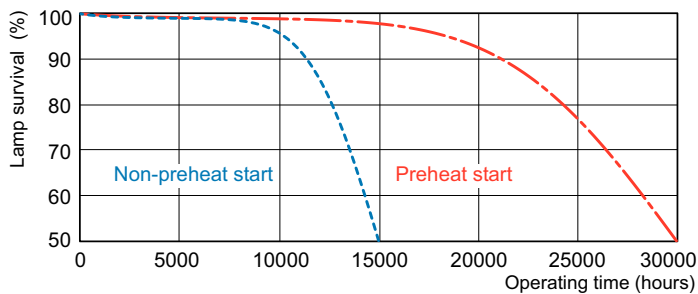


Lightcolor /835

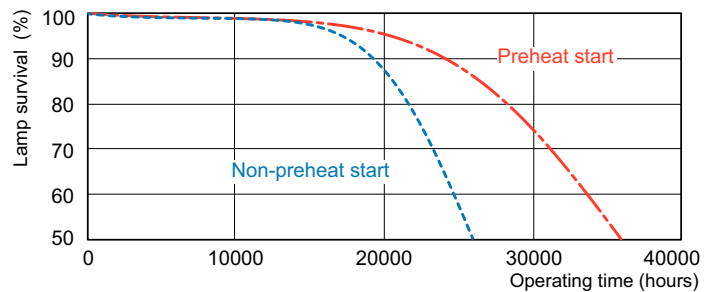


Lightcolor /835

### Lifetime



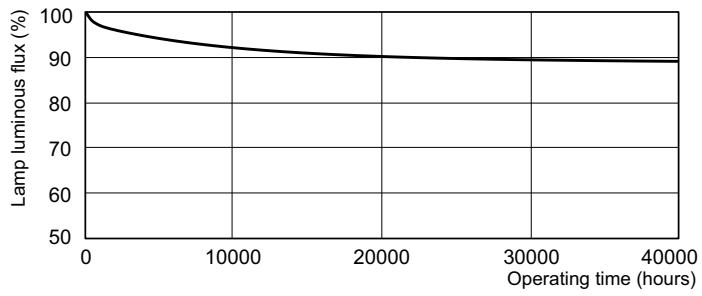
MASTER TL5 HO EcoPlus Life Expectancy 3 h cycle



MASTER TL5 HO EcoPlus Life Expectancy 12 h cycle

## T5 Energy Advantage

### Lifetime



MASTER TL5 HO EcoPlus Lumen Maintenance 3 h + 12 h cycle

