



# T5 High Output Energy Advantage

F54T5/835 HO EA 49W/ALTO

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

## Product data

### • General Characteristics

Base	Miniature Bipin
Bulb	T5 [16 mm]
Life to 10% fail Preheat EL,3h	21000 hr
Rated Avg. Life	30000 hr
LSF HF Preheat 2000h Rated,3h	99 %
LSF HF Preheat 4000h Rated,3h	99 %
LSF HF Preheat 6000h Rated,3h	99 %
LSF HF Preheat 8000h Rated,3h	99 %
LSF HF Preheat 12000h Rated,3h	99 %
LSF HF Preheat 16000h Rated,3h	99 %
LSF HF Preheat 20000h Rated,3h	94 %

### • Light Technical Characteristics

Color Code	835 [CCT of 3500K]
Color Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Color Designation	White
Color Temperature	3500 K
Luminous Flux EL 25°C, Rated	4450 Lm
Luminous Flux EL 25°C, Nominal	4450 Lm
Initial Lumens	5000 Lm
Lum Efficacy Rated HF 25°C	93 Lm/W
Lum Efficacy Rated HF 35°C	102 Lm/W

LLMF HF 2000h Rated	96 %
LLMF HF 4000h Rated	95 %
LLMF HF 6000h Rated	94 %
LLMF HF 8000h Rated	93 %
LLMF HF 12000h Rated	92 %
LLMF HF 16000h Rated	91 %
LLMF HF 20000h Rated	90 %
Design Temperature	35 C
Chromaticity Coordinate X	409 -
Chromaticity Coordinate Y	394 -

### • Electrical Characteristics

Watts	49 W
Lamp Wattage EL 25°C, Rated	48.0 W
Lamp Wattage EL 25°C, Nominal	48.0 W
Lamp Wattage EL 35°C	48.9 W
Lamp Voltage EL 25°C	105 V
Lamp Voltage EL 35°C	107 V
Lamp Current EL 25°C	0.460 A
Lamp Current EL 35°C	0.460 A

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Dimmable Yes

• Environmental Characteristics

Energy Efficiency Label (EEL) A  
 Mercury (Hg) Content 1.4 mg

• Measuring Conditions

Calibration Current 0.460 A  
 HF Generator Rated Voltage 222 V  
 Resistor 255 ohm

• Product Dimensions

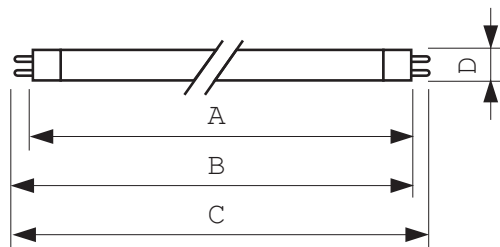
Base Face to Base Face A 1149.0 (max) mm

Insertion Length B 1153.7 (min), 1156.1 (max) mm  
 Overall Length C 1163.2 (max) mm  
 Diameter D 17 (max) mm

• Product Data

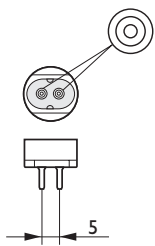
Product number 220509  
 Full product name F54T5/835 HO EA 49W/ALTO  
 Short product name F54T5 835 HO EA ALTO 49W  
 Pieces per Sku 1  
 eop\_pck\_cfg 40  
 Skus/Case 40  
 Bar code on pack 46677220501  
 Bar code on case 50046677220506  
 Logistics code(s) 927991983531  
 eop\_net\_weight\_pp 104.500 gr

## Dimensional drawing



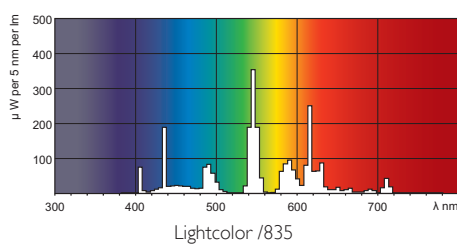
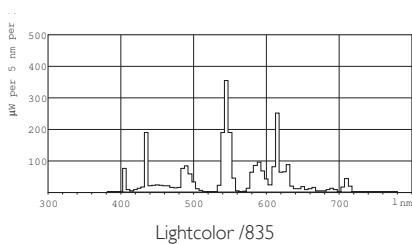
## F54T5/835 HO EA 49W/ALTO

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO Eco F54T5/835 HO EA 49W	1149.0	1153.7	1156.1	1163.2	17



G5

## Photometric data





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data subject to change