



# 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	21000 hr
Preheat EL,3h	
Rated Avg. Life	30000 hr
LSF HF Preheat	99 %
2000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	99 %
16000h Rated,3h	
LSF HF Preheat	94 %
20000h Rated,3h	

### • Light Technical Characteristics

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

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

### • Electrical Characteristics

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

**PHILIPS**

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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

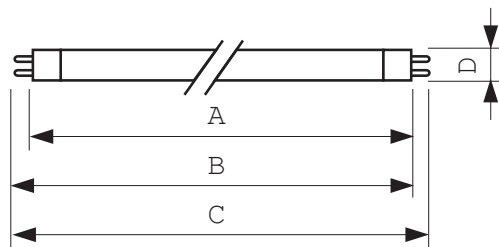
Base Face to Base Face A 1149.0 (max) mm

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

• Product Data

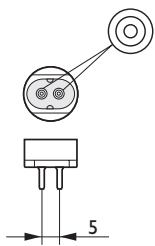
Product number 220509  
 Full product name F54T5/835 HO EA 49W/ALTO  
 Short product name F54T5 835 HO EA ALTO 49W  
 Pieces per Sku 1  
 eop\_pck\_cfg 40  
 Skus/Case 40  
 Bar code on pack 46677220501  
 Bar code on case 50046677220506  
 Logistics code(s) 927991983531  
 eop\_net\_weight\_pp 104.500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

## Dimensional drawing



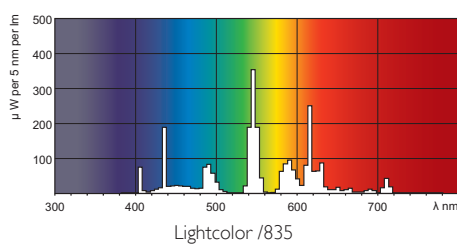
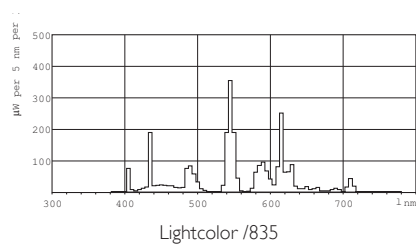
## F54T5/835 HO EA 49W/ALTO

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