



T5 High Output Energy Advantage

F54T5/850 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	850 [CCT of 5000K]
Color Rendering Index	82 Ra8
Color Designation	Daylight [Daylight]
Color Temperature	5000 K
Luminous Flux EL	4275 Lm
25°C, Rated	
Luminous Flux EL	4275 Lm
25°C, Nominal	
Initial Lumens	4800 Lm
Lum Efficacy Rated	89 Lm/W
HF 25°C	
Lum Efficacy Rated	98 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	346 -
Chromaticity Coordinate Y	359 -

• Electrical Characteristics

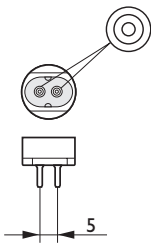
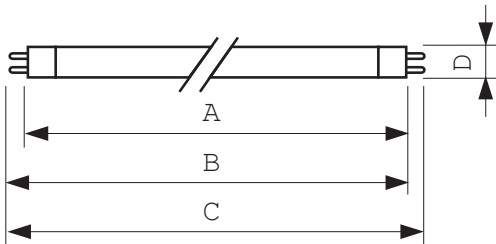
Watts	49 W
Lamp Wattage EL	48.0 W
25°C, Rated	
Lamp Wattage EL	48.0 W
25°C, Nominal	
Lamp Wattage EL	48.9 W
35°C	
Lamp Voltage EL	105 V
25°C	
Lamp Voltage EL	107 V
35°C	
Lamp Current EL	0.460 A
25°C	
Lamp Current EL	0.460 A
35°C	

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Dimmable	Yes	Insertion Length B	1153.7 (min), 1156.1 (max) mm
		Overall Length C	1163.2 (max) mm
		Diameter D	17 (max) mm
• 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 Data			
Product number	406496		
Full product name	F54T5/850 HO EA 49W/ALTO		
Short product name	F54T5 850 HO EA ALTO 49W		
Pieces per Sku	1		
eop_pck_cfg	40		
Skus/Case	40		
Bar code on pack	46677406493		
Bar code on case	50046677406498		
Logistics code(s)	927991985031		
eop_net_weight_pp	104.500 gr		
• Product Dimensions			
Base Face to Base Face A	1149.0 (max) mm		

Dimensional drawing



G5

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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO Eco F54T5/850 HO EA 49W	1149.0	1153.7	1156.1	1163.2	17



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data subject to change