



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]
Rated Avg. Life	25000 hr
Life to 10% fail	21000 hr
Preheat EL,3h	
LSF HF Preheat	94 %
20000h Rated,3h	
LSF HF Preheat	99 %
16000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
2000h Rated,3h	

• Light Technical Characteristics

Color Code	835 [CCT of 3500K]
Color Rendering Index	85 Ra8
Color Designation	White
Color Temperature	3500 K
Chromaticity Coordinate X	409 -
Chromaticity Coordinate Y	394 -
Initial Lumens	5000 Lm
Lum Efficacy Rated HF 25°C	92 Lm/W
Lum Efficacy Rated HF 35°C	102 Lm/W

LLMF HF 20000h Rated	90 %
LLMF HF 16000h Rated	91 %
LLMF HF 12000h Rated	92 %
LLMF HF 8000h Rated	93 %
LLMF HF 6000h Rated	94 %
LLMF HF 4000h Rated	95 %
LLMF HF 2000h Rated	96 %
Luminous Flux EL 25°C, Rated	4450 Lm
Luminous Flux EL 25°C, Nominal	4450 Lm
Design Temperature	35 C

• Electrical Characteristics

Watts	49 W
Lamp Voltage EL 25°C	101 V
Lamp Current EL 25°C	0.485 A
Dimmable	Yes
Lamp Wattage EL 35°C	48.9 W
Lamp Current EL 35°C	0.460 A
Lamp Voltage EL 35°C	107 V
Lamp Wattage EL 25°C, Rated	48.5 W

PHILIPS

sense and simplicity

T5 High Output Energy Advantage

Lamp Wattage EL 49 W
25°C, Nominal

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

• 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

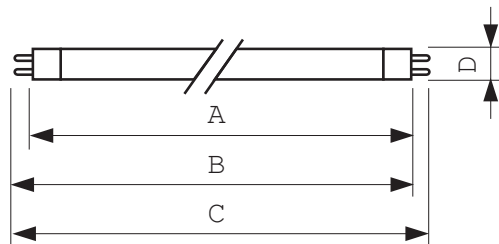
• Measuring Conditions

Calibration Current 0.460 A
HF Generator Rated 224 V
Voltage
Resistor 255 ohm

• Product Dimensions

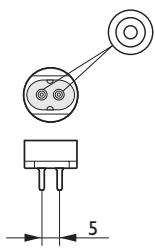
Base Face to Base 1149.0 (max) mm
Face A

Dimensional drawing



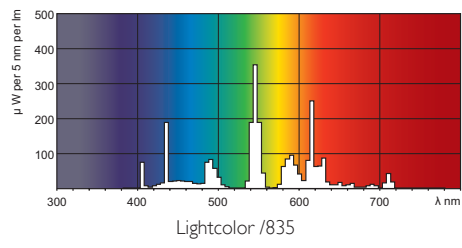
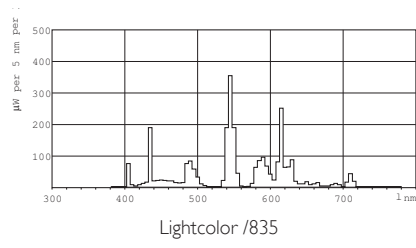
G5, T5

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