



T5 Energy Advantage

F54T5/841 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 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	100 %
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	98 %
LSF HF Preheat 20000h Rated,3h	97 %

• Light Technical Characteristics

Color Code	841 [CCT of 4100K]
Color Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Color Designation	Cool White
Color Temperature	4100 K
Luminous Flux EL 25°C, Rated	3900 Lm
Luminous Flux EL 25°C, Nominal	3900 Lm
Initial Lumens	4500 Lm
Lum Efficacy Rated HF 25°C	91 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	380 -
Chromaticity Coordinate Y	380 -

• Electrical Characteristics

Watts	44 W
Lamp Wattage EL 25°C, Rated	42.8 W
Lamp Wattage EL 25°C, Nominal	44.0 W
Lamp Wattage EL 35°C	44.0 W
Lamp Voltage EL 25°C	94 V
Lamp Voltage EL 35°C	96 V
Lamp Current EL 25°C	0.460 A
Lamp Current EL 35°C	0.460 A

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Dimmable Yes

Diameter D 17 (max) mm

• Environmental Characteristics

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

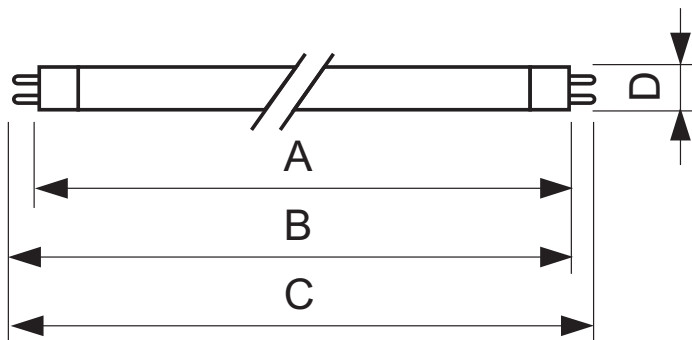
• Product Dimensions

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

• Product Data

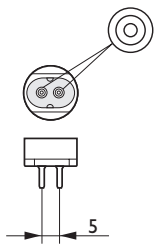
Product number 417824
Full product name F54T5/841 HO XEW Alto 44W
Short product name F54T5/840/HO/XEW/ALTO/44W
Pieces per Sku 1
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Skus/Case 40
Bar code on pack 46677417826
Bar code on case 50046677417821
Logistics code(s) 927992884031
tpd_ilcos_cd FDH-44/40/1B-L/P-G5-16/1150
eop_net_weight_pp 104.500 gr

Dimensional drawing



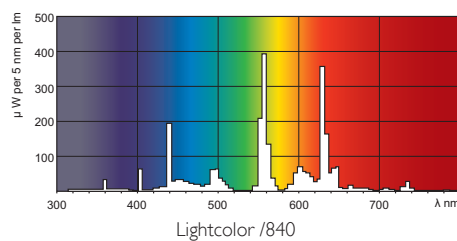
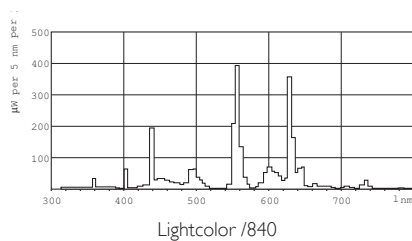
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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO EcoPlus 44=54W/840	1149.0	1153.7	1156.1	1163.2	17



G5

Photometric data



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data subject to change