



T5 TuffGuard Coated

F54T5/841 HO TG

When you select Philips TuffGuard™ Fluorescent lamp with ALTO® lamp technology, you are reducing the impact on the environment, while the coating helps to protect your customers, employees, and reputation. Philips TuffGuard™ fluorescent lamps meet sustainability requirements because they reduce the impact on the environment with low mercury, energy efficiency and long life. The patented green endcaps mean you're using ALTO low-mercury technology. The 16 mils thick coating on TuffGuard™ fluorescent lamps forms a protective seal from end to end and is guaranteed to last the average rated life of the lamp under specific conditions

Product data

• General Characteristics

System Description	High Output
Base	Miniature Bipin
Base Information	Green [Green Base]
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	97 %
16000h Rated,3h	
LSF HF Preheat	84 %
20000h Rated,3h	

• 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	4450 Lm
25°C, Rated	
Luminous Flux EL	4450 Lm
25°C, Nominal	
Initial Lumens	5000 Lm
Lum Efficacy Rated	82 Lm/W
HF 25°C	

Lum Efficacy Rated	93 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	380 -
Chromaticity Coordinate Y	380 -

• Electrical Characteristics

Watts	54 W
Lamp Wattage EL	54.1 W
25°C, Rated	
Lamp Wattage EL	54 W
25°C, Nominal	
Lamp Wattage EL	53.8 W
35°C	
Lamp Voltage EL	120 V
25°C	
Lamp Voltage EL	118 V
35°C	
Lamp Current EL	0.455 A
25°C	

PHILIPS

T5 TuffGuard Coated

Lamp Current EL 0.460 A
 35°C
 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 235 V
 Resistor 255 ohm

• Product Dimensions

Base Face to Base Face A 1149.0 (max) mm

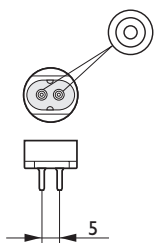
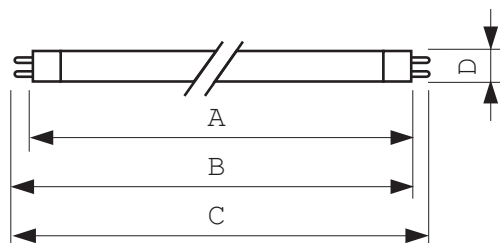
• Product Data

Product number 162982
 Full product name F54T5/841 HO TG
 Short product name F54T5/841/HO/ALTO TG 40PK
 Pieces per Sku 1
 eop_pck_cfg 40
 Skus/Case 40
 Bar code on pack 46677162986
 Bar code on case 50046677162981
 Logistics code(s) 927893184102
 tpd_ilcos_cd FDH-54/40/1B-L/P-G5-16/1150
 eop_net_weight_pp 0.001 kg

Warnings and Safety

- All HO lamps recommended for use only in open fixtures.

Dimensional drawing

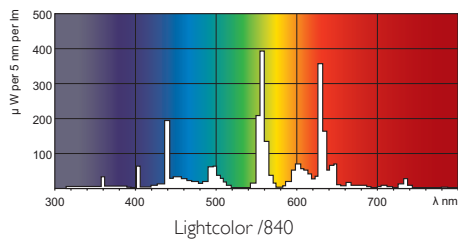
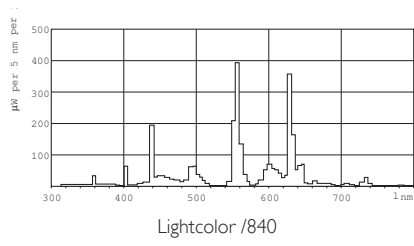


G5

F54T5/841 HO TG

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO F54T5/841 HO Alto TG	1149.0	1153.7	1156.1	1163.2	17

Photometric data



© 2014 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2014, October 31
data subject to change