

# T5 TuffGuard Coated

## F28T5/841 ALTO TG 40PK

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 Information			
Cap-Base	G5 [ G5]	Chromaticity Coordinate X (Nom)	380
Life To 50% Failures Preheat (Nom)	24000 h	Chromaticity Coordinate Y (Nom)	380
Features	TuffGuard™ [ Tuffguard]	Correlated Color Temperature (Nom)	4100 K
System Description	High Efficiency	Luminous Efficacy (rated) (Nom)	94 lm/W
LSF Preheat 2000 h Rated	99 %	Color Rendering Index (Max)	85
LSF Preheat 4000 h Rated	99 %	Color Rendering Index (Min)	80
LSF Preheat 6000 h Rated	99 %	Color Rendering Index (Nom)	82
LSF Preheat 8000 h Rated	99 %	LLMF 2000 h Rated	96 %
LSF Preheat 16000 h Rated	97 %	LLMF 4000 h Rated	95 %
LSF Preheat 20000 h Rated	84 %	LLMF 6000 h Rated	94 %
		LLMF 8000 h Rated	93 %
		LLMF 12000 h Rated	92 %
		LLMF 16000 h Rated	91 %
		LLMF 20000 h Rated	90 %
Light Technical		Operating and Electrical	
Color Code	841 [ CCT of 4100K]	Power (Rated) (Nom)	27.9 W
Initial lumen (Nom)	2900 lm		
Luminous Flux (Rated) (Nom)	2625 lm		
Color Designation	Cool White (CW)		
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W		

## T5 TuffGuard Coated

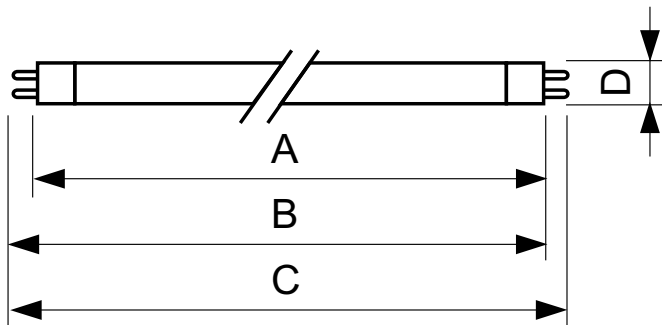
Lamp Current (Nom)	0.170 A
<b>Temperature</b>	
Design Temperature (Nom)	35 °C
<b>Controls and Dimming</b>	
Dimmable	Yes
<b>Mechanical and Housing</b>	
Cap-Base Information	Green [ Green Cap]
<b>Approval and Application</b>	
Energy Efficiency Label (EEL)	A

Mercury (Hg) Content (Nom)	1.4 mg
<b>Product Data</b>	
Order product name	F28T5/841 ALTO TG 40PK
EAN/UPC - Product	046677166748
Order code	166744
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927876084101
Net Weight (Piece)	0.001 kg
ILCOS Code	FDH-28/40/1B-L/P-G5-16/1150

### Warnings and Safety

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

### Dimensional drawing



TL5 HE F28T5/841 TG

Product	D (max)	A (max)	B (max)	B (min)	C (max)
F28T5/841 ALTO TG 40PK	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

