



# T5 TuffGuard™ Coated

F28T5/841 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 Efficiency
Base	Miniature Bipin
Base Information	Green [Green Base]
Bulb	T5 [16 mm]
Rated Avg. Life	20000 hr
Life to 10% fail	0 hr
Preheat EL,3h	
LSF HF Preheat	85 %
20000h Rated,3h	
LSF HF Preheat	94 %
16000h Rated,3h	
LSF HF Preheat	95 %
12000h Rated,3h	
LSF HF Preheat	97 %
8000h Rated,3h	
LSF HF Preheat	98 %
6000h Rated,3h	
LSF HF Preheat	98 %
4000h Rated,3h	
LSF HF Preheat	99 %
2000h Rated,3h	

Lum Efficacy Rated	93 Lm/W
HF 25°C	
Lum Efficacy Rated	104 Lm/W
HF 35°C	
LLMF HF 20000h	88 %
Rated	
LLMF HF 16000h	90 %
Rated	
LLMF HF 12000h	91 %
Rated	
LLMF HF 8000h	93 %
Rated	
LLMF HF 6000h	94 %
Rated	
LLMF HF 4000h	95 %
Rated	
LLMF HF 2000h	96 %
Rated	
Luminous Flux EL	2625 Lm
25°C, Rated	
Luminous Flux EL	2625 Lm
25°C, Nominal	
Design Temperature	35 C

### • Light Technical Characteristics

Color Code	841 [CCT of 4100K]
Color Rendering	82 Ra8
Index	
Color Designation	Cool White
Color Temperature	4100 K
Chromaticity Coordinate X	381 -
Chromaticity Coordinate Y	379 -
Initial Lumens	2900 Lm
Luminance Average	1.5 cd/cm <sup>2</sup>
EL 25°C	

### • Electrical Characteristics

Watts	28 W
Lamp Voltage EL	166 V
25°C	
Lamp Current EL	0.170 A
25°C	
Dimmable	Yes
Lamp Wattage EL	27.8 W
35°C	
Lamp Current EL	0.170 A
35°C	

# PHILIPS

sense and simplicity

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Lamp Voltage EL 35°C	167 V
Lamp Wattage EL 25°C, Rated	28.2 W
Lamp Wattage EL 25°C, Nominal	28 W

## • Environmental Characteristics

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

## • Measuring Conditions

Calibration Current	0.170 A
HF Generator Rated Voltage	329 V
Resistor	950 ohm

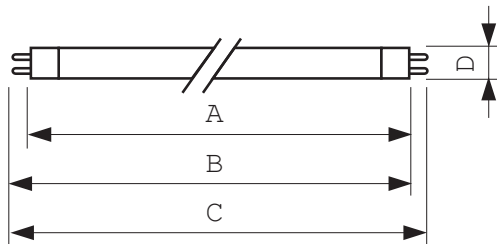
## • Product Dimensions

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
Diameter D	17 (max) mm

## • Product Data

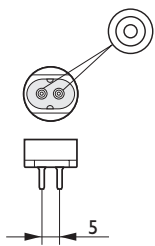
Product number	166744
Full product name	F28T5/841 TG
Short product name	F28T5/841 ALTO TG 40PK
Pieces per Sku	1
Skus/Case	40
Bar code on pack	46677166748
Bar code on case	50046677166743
Logistics code(s)	927876084101
tpd_ilcos_cd	FDH-28/40/1B-L/P-G5-16/1150
eop_net_weight_pp	0.001 kg

## Dimensional drawing



## G5, T5

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HE F28T5/841 TG	1149.0	1153.7	1156.1	1163.2	17



G5



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data subject to change