



T5 TuffGuard Coated

F54T5/841/HO/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	
Base	G5 [G5]
Life to 50% Failures Preheat (Nom)	30000 h
Features	HO Alto® [High Output Alto]
System Description	High Output (HO)
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	97 %
LSF Preheat 20000 h Rated	84 %
Light Technical	
Color Code	841 [CCT of 4100K]
Initial lumen (Nom)	5000 lm
Luminous Flux (Rated) (Nom)	4500 lm
Color Designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	93 lm/W
Correlated Color Temperature (Nom)	4100 K

Luminous Efficacy (rated) (Nom)	83 lm/W
Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	82
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %
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 %

Operating and Electrical	
Power (Rated) (Nom)	54 W
Lamp Current (Nom)	0.455 A

Temperature	
Design Temperature (Nom)	35 °C

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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Cap-Base Information	Green [Green Cap]
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Approval and Application

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

Product Data

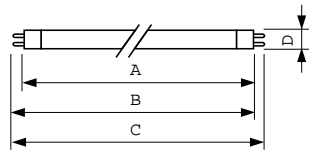
Order product name	F54T5/841/HO/ALTO TG 40PK
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EAN/UPC - Product	046677162986
Order code	162982
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927893184102
Net Weight (Piece)	0.001 kg
ILCOS Code	FDH-54/40/1B-L/P-G5-16/1150

Warnings and Safety

- All HO lamps recommended for use only in open fixtures.
- Lamp contains mercury. Manage in Accord with Disposal Laws. See: www.lamprecycle.org or 1-800-555-0050

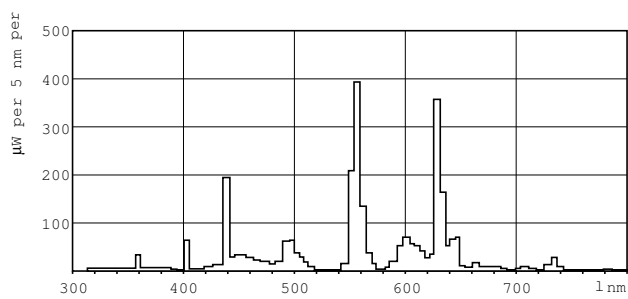
Dimensional drawing



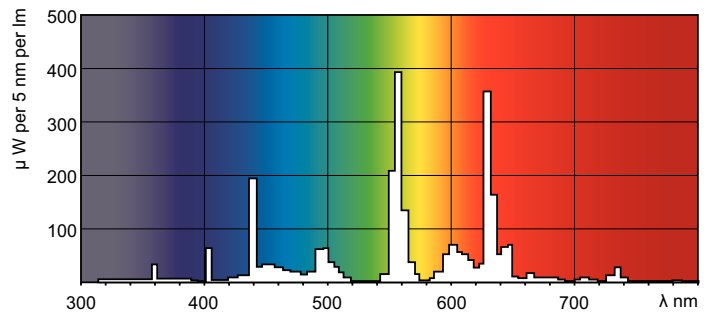
Product	D (max)	A (max)	B (max)	B (min)	C (max)
F54T5/841/HO/ALTO TG 40PK	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

TL5 HO F54T5/841 HO Alto TG

Photometric data



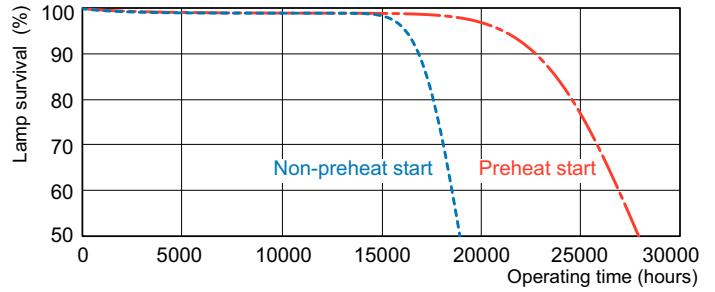
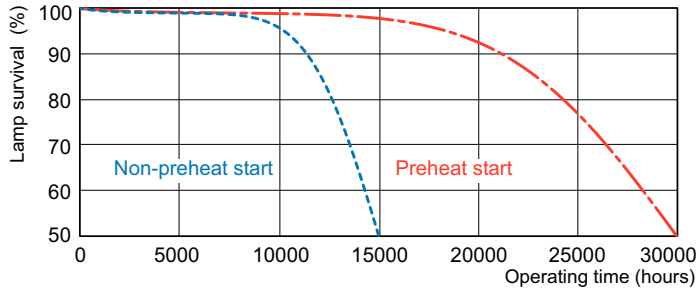
Lightcolor /840



Lightcolor /840

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Lifetime



MASTER TL5 HO/ActiViva Life Expectancy 3 h cycle

MASTER TL5 HO/ActiViva Life Expectancy 12 h cycle



MASTER TL5 HO/ActiViva Lumen Maintenance 3 h + 12 h cycle

