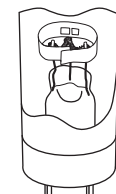
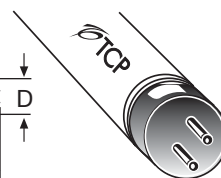
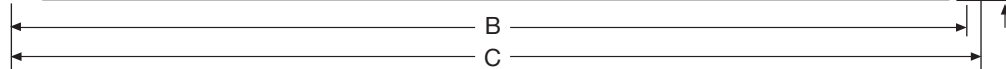


TCP Item Number: 31054841 Lamp code: F54T5HO/841



Cathode Guarded

Average Rated Life (hours)	
3 hours per start -----	24,000
TCLP Compliant -----	Yes
Low Mercury -----	Yes

Physical Characteristics

Lamp type -----	T5
Base type -----	Miniature Bipin
Lamp Material -----	Soda Lime
Phosphor -----	Tri-Phosphor
Lamp Diameter (inches)	
Nominal (D) -----	.625
Maximum (D) -----	.670
Overall Length (inches)	
Nominal (C) -----	45.2
Maximum (C) -----	45.8
Face to End of opposing pin (inches)	
Maximum (B) -----	45.52
Minimum (B) -----	45.42

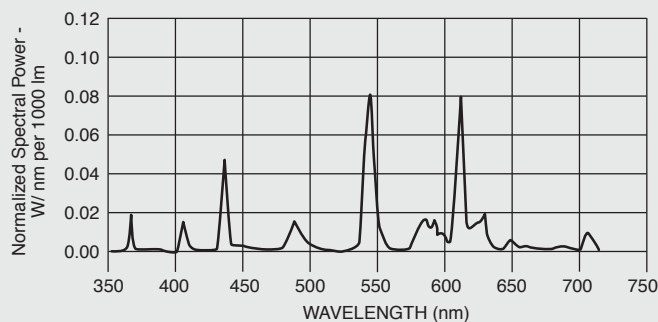
Photometric Characteristics

Initial Lumens -----	5000
Mean Lumens (40% of rated life) -----	4750
Correlated Color Temperature (Kelvin) -----	3500
Color Rendering Index (CRI) -----	85
Normal Efficacy (Lumens/Watts) -----	92.6

Electrical Characteristics

Lamp Watts -----	54
Nominal Lamp Volts -----	118
Nominal Lamp Operating Frequency (Hz) --	50-60 Hz
Min. Starting Temperature (°C) -----	-20
Min. Starting Lamp Voltage at 10°C -----	520
Min. Cathode Resistance (Rh/Rc) -----	4.25
Max. Cathode Resistance (Rh/Rc) -----	6.5

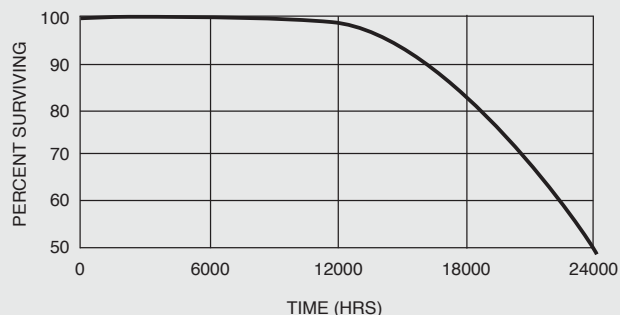
Spectral Power Distribution



Lamp Lumen Maintenance



Typical Lamp Mortality

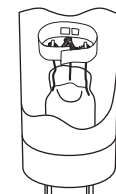
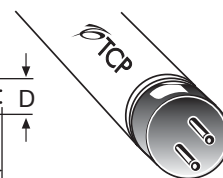
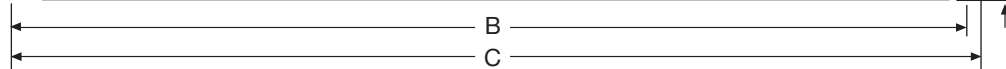


24 MONTH STANDARD WARRANTY

For the most up-to-date specs, please visit www.tcp.com

*Testing performed with Instant Start Ballast.

TCP Item Number: 31054841 Lamp code: F54T5HO/841



Cathode Guarded

Average Rated Life (hours)
 3 hours per start ----- 24,000

TCLP Compliant ----- Yes
 Low Mercury ----- Yes

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 Base type ----- Miniature Bipin
 Lamp Material ----- Soda Lime
 Phosphor ----- Tri-Phosphor

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 Maximum (D) ----- .670

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 Maximum (C) ----- 45.8

Face to End of opposing pin (inches)
 Maximum (B) ----- 45.52
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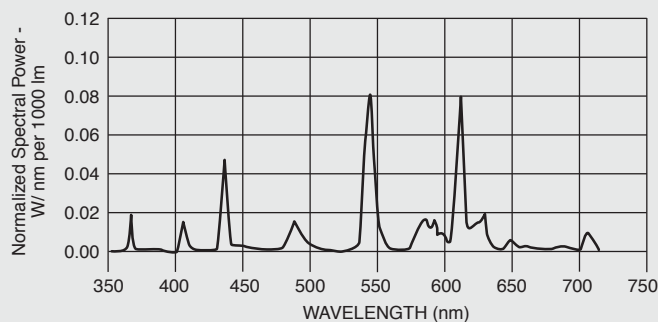
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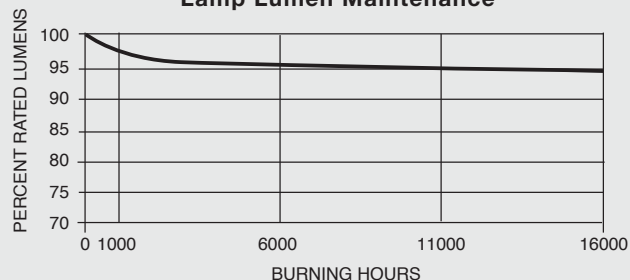
Electrical Characteristics

Lamp Watts ----- 54
 Nominal Lamp Volts ----- 118
 Nominal Lamp Operating Frequency (Hz) -- 50-60 Hz
 Min. Starting Temperature (°C) ----- -20
 Min. Starting Lamp Voltage at 10°C ----- 520
 Min. Cathode Resistance (Rh/Rc) ----- 4.25
 Max. Cathode Resistance (Rh/Rc) ----- 6.5

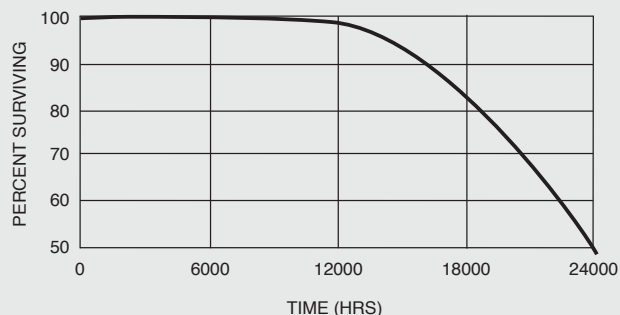
Spectral Power Distribution



Lamp Lumen Maintenance



Typical Lamp Mortality



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