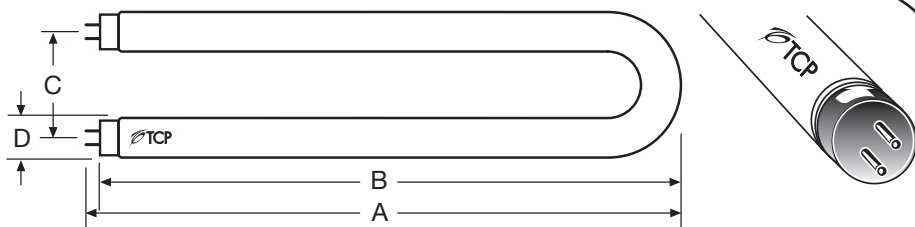


TCP Item Number: 31031841U1
Lamp code: FB31T8/841/1



Average Rated Life (hours) ----- 20,000
TCLP Compliant ----- Yes
Mercury Content (mg) ----- 8.0

Physical Characteristics

Lamp type ----- T8
Base type ----- BiPin (G13)
Lamp Material ----- Soda Lime
Phosphor ----- Tri-Phosphor
Lamp Diameter (inches)
Nominal (D) ----- 1.00
Maximum (D) ----- 1.10
Minimum (D) ----- 0.94
Base Center to Base Center (inches) (C) --- 1.625
Base Face to Top of Lamp (inches) (B) ---- 22.325
Nominal Overall Length (inches) (A) ----- 22.50

Physical Characteristics

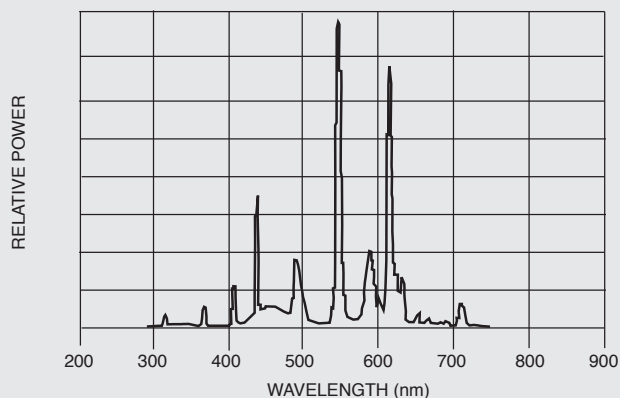
Initial Lumens ----- 2750
Mean Lumens (40% of rated life) ----- 2600
Correlated Color Temperature (Kelvin) ----- 4100
Color Rendering Index (CRI) ----- 85
Normal Efficacy (Lumens/Watts) ----- 89

Physical Characteristics

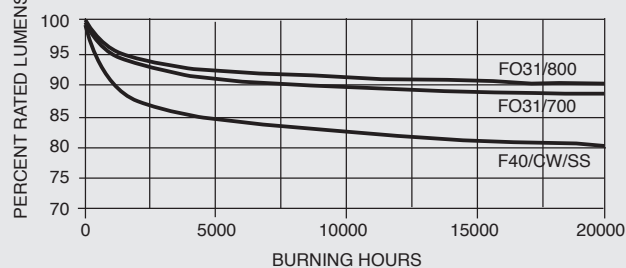
Lamp Watts ----- 31
Nominal Lamp Volts ----- 135
Nominal Lamp Operating Frequency (Hz) -- 50-60 Hz
Min. Starting Lamp Voltage at 10°C ----- 300
Filament Volts (V) ----- 3.4
Max. Current Crest Factor ----- 1.7

24 MONTH
STANDARD WARRANTY

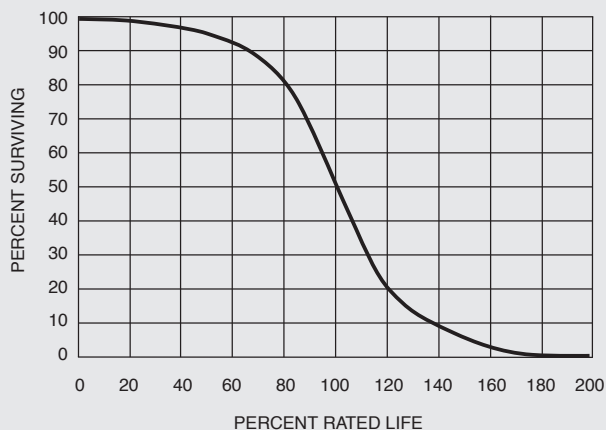
Spectral Power Distribution



Lamp Lumen Maintenance



Typical Lamp Mortality



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