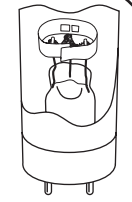
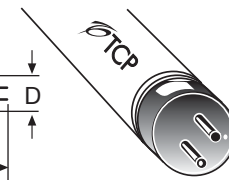
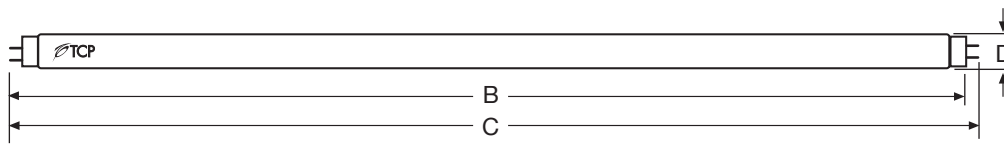


TCP Item Number: 31032830 Lamp code: F32T8/830



Cathode Guarded

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

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) ----- .94
 Overall Length (inches)
 Nominal (C) ----- 48.00
 Maximum (C) ----- 47.78
 Minimum (C) ----- 47.67
 Face to End of opposing pin (inches)
 Maximum (B) ----- 47.50
 Minimum (B) ----- 47.40

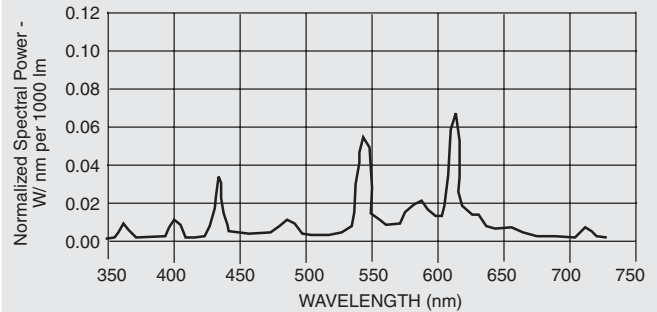
Photometric Characteristics

Initial Lumens ----- 2950
 Mean Lumens (40% of rated life) ----- 2800
 Correlated Color Temperature (Kelvin) ----- 3000
 Color Rendering Index (CRI) ----- 85
 Normal Efficacy (Lumens/Watts) ----- 89

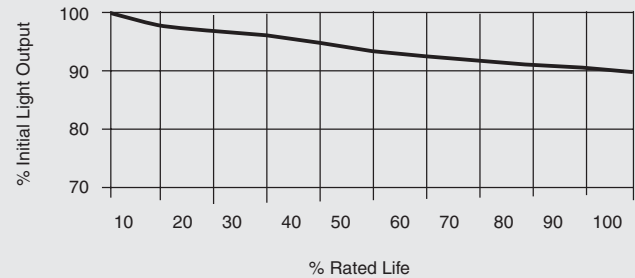
Electrical Characteristics

Lamp Watts ----- 32
 Nominal Lamp Volts ----- 137
 Nominal Lamp Operating Frequency (Hz) -- 50-60 Hz
 Min. Starting Lamp Voltage at 10°C ----- 300
 Min. Cathode Resistance (Rh/Rc) ----- 6.50
 Max. Cathode Resistance (Rh/Rc) ----- 4.25

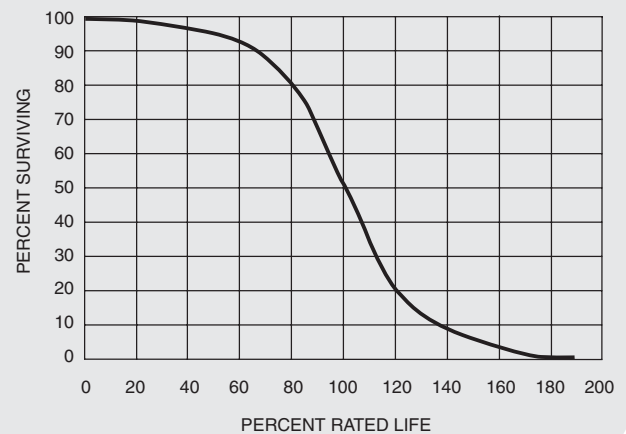
Spectral Power Distribution



Lamp Lumen Maintenance



Typical Lamp Mortality



24 MONTH STANDARD WARRANTY