**F28T5/841 Lamp Specifications**

**TCP Item Number: 31028T5841**  
Lamp code: F28T5/841

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### Photometric Characteristics

- **Initial Lumens**: 2900
- **Mean Lumens (40% of rated life)**: 2750
- **Correlated Color Temperature (Kelvin)**: 4100
- **Color Rendering Index (CRI)**: 85
- **Normal Efficacy (Lumens/Watts)**: 103

### Electrical Characteristics

- **Lamp Watts**: 28
- **Nominal Lamp Volts**: 167
- **Nominal Lamp Operating Frequency (Hz)**: 50-60 Hz
- **Min. Starting Temperature (°C)**: -20
- **Min. Starting Lamp Voltage at 10°C**: 425
- **Min. Cathode Resistance (Rh/Rc)**: 4.25
- **Max. Cathode Resistance (Rh/Rc)**: 6.5

### Physical Characteristics

- **Lamp type**: T5
- **Base type**: Miniature Bipin
- **Lamp Material**: Soda Lime
- **Phosphor**: Tri-Phosphor
- **Lamp Diameter (inches)**:
  - Nominal (D): 0.625
  - Maximum (D): 0.670
- **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

### Spectral Power Distribution

- Normalized Spectral Power - W/ nm per 1000 lm

### Lamp Lumen Maintenance

- **Operating time (hours)**
  - 10000: 90%
  - 15000: 80%
  - 20000: 70%
  - 25000: 60%
  - 30000: 50%

### Typical Lamp Mortality

- **Operating time (hours)**
  - 10000: 90%
  - 15000: 80%
  - 20000: 70%
  - 25000: 60%
  - 30000: 50%

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**24 MONTH STANDARD WARRANTY**

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

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*Testing performed with Instant Start Ballast.*