

Initial technical specification of CFL

(specs are at 100h, unless specified differently)

Product Name		C50T 120V 7W
Lamp No.		ES0801007
Lamp Shape		CANDLE TWISTED TYPE
Inner Tube Available		2U or SL Tube
Lamp Parameter	Main Voltage (V)	120V+10V/-15V; 60Hz
	Input current (mA)	105±10
	T.H.D.	<120%
	Input Power (W)	7W±0.7
	PF.	>0.5
	Light Output (Lm)	>260Lm for 3000K
		>250Lm for 4500K
		>240Lm for 6400K
	Efficacy (Lm/w)	>45Lm/w
	Color temperature	Warm Light 3000K
Cool Light 4500K		
Day Light 6400K		
Burner Parameter	Burner voltage (V)	60±2
	Burner Current (mA)	120±10
	C.F.	<1.7
	Filament Current (mA)	40±10
	Cathode Current (mA)	125±10
	Burner Power (W)	5.0±0.5W
	Output Frequency (Hz)	25KHz -- 50KHz
Maintenance	0 to 100h Light Drop	<5%
	1000h	>90%
	2000h	>80%
	3000h	>75%
ON/OFF testing (on: 25s/off:35s)		10000 Swithes
Average Life Hour (After 40% loss of lumens)		6,000 hrs.
Thermo testing (Environment Temp.: 25°C Humidity: 65% Lamp Cap- Up Burning)	Power Transistor Surface Temp.	<60°C
	Elec. Capacitor Temp.	<45°C
	Coil Temp.	<80°C
	PCB Surface Temp.	<40°C
	Tube foot Temp.(Electro Portion)	<90°C
	Outer Housing (Near Base)	<35°C
Safety requirement	According to UL 1993 & 935, FCC Approved	
Mechanical Strength	Torsion test (Nm)	>3
Starting behavior	Starting time (S)	0.4s -- 0.8s
	Starting Voltage (V)	85V
Dimension	Neck diameter (inch)	2 (2U), 2 (SL tube) in Dia.
	Total Length (inch)	4-1/2(2U), 4-1/2(SL tube) M.O.L.
Lamp Cap		E12/E17/E26/E27/B22