

Product Specification

Parameter guideline for CCFL Inverter

Symbol	Parameter	Min.	Typ.	Max.	Unit	Condition
ISCFL	CCFL standard current	6.5	7	7.5	[mA] rms	(Ta = 25) Note 1
IRCFL	CCFL operation range	2.5	7	7.5	[mA] rms	(Ta = 25)
FCFL	CCFL Frequency	40	50	60	[KHz]	(Ta = 25) Note 2
ViCFL (0)	CCFL Ignition Voltage (End of the lamp wire connector)	1810	1800-1900	—	[Volt] rms	(Ta = 0) Note 3
ViCF (25)	CCFL Ignition Voltage (End of the lamp wire connector)	1540	—	—	[Volt] rms	(Ta = 25) Note 3
VCFL	CCFL Operation Voltage	—	750 @7mA	800	[Volt] rms	(Ta = 25) Note 4
PCFL	CCFL Power consumption (for reference)	—	21	23.1	[Watt]	(Ta = 25) Note 5
LTCFL	CCFL life Time	40,000	50,000	—	[Hour]	(Ta = 25) Note 6

Note 1: CCFL standard current is measured at 25 ± 2 .

Note 2: CCFL Frequency should be determined to avoid interference between inverter and TFT LCD.

Note 3: ViCFL means Ignition for both ends of the lamp, and CCFL Inverter should be able to give out a power that has a generating capacity of over 1810 voltage. lamp units need 1810 voltage minimum for ignition.

Note 4: CCFL operation voltage is measured at 25 ± 2 .

Note 5: The variance CCFL power consumption is $\pm 10\%$. Calculator value for reference ($ICFL \times VCDL \times 4 = PCFL$)

Note 6: Definition of life: brightness becomes 50% or less than the minimum luminance value of CCFL. The typical life time of CCFL is on the condition at 7.0mA lamp current