



FC Comparison For the 23W Spiral CFL Vrs 10W (Item 593) Non Dimmable A-Bulb.

Test Condition-15/3Ft Dark Room

Instrument Used-LUX Light meter(TENMARS 202)

Height of Socket-	9Ft	
Lamp Type	23W Overdrive 5000K CFL Spiral	10W Overdrive Non-Dimmable 5000K A-Bulb (Wide Angle) Item 593 -New
Lamp Photo With Fixture		
Sample no.	1	3
Rated Lamp Lumen(W/O Fixture)	1600	900
Actual Lumen Inside Fixture	977	836
Lamp Wattage	18.05	9.53
Lumen/Wt	54	88
%age Difference in Lumen/Watt	0%	62%

**Fixture:-With Plastic Fixture, Height of Socket=9Ft**

FC at 0 Ft-C Measurement Distance	1.35	2.65
FC at 3 Ft-L Measurement Distance	1.44	1.95
FC at 5 Ft-L Measurement Distance	1.15	1.27
FC at 10 Ft-L Measurement Distance	0.46	0.48

**Conclusion**

- 1 23W CFL Rated wattage is 23W But when used inside the enclosed fixture the lamp lumen and wattage drop a lot due to increase in Hg pressure which is common issue.
- 2 Overdrive A Bulb Lumen drop by 8% once used inside the Fixture and FC value given are when lamp is used inside fixture.
- 3 From above we can conclude easily that 10W LED Bulb is able to exceed the FC on the floor compared to the 23W CFL when used in base up condition