



## Techno Commercial features of T5 in comparison to T8 & T12.

Particulars	T12	T 8	T5
Lamp Watts	40 Watts	36 Watts	28 Watts
Lumens	2450	3250	2900
Lumens / Watt	61	90	104
Colour Rendering Index (CRI)	55	70	85
Tube Life (hours)	5000	8000	20,000
Electronic Ballast Life			50,000
Power consumed per fitting (watts)	40+15= 55	36+4= 40	28+1= 29
Cost per fitting (INR)	Rs. 150/-	Rs. 450/-	Rs. 950/-
No. of fittings required	500	380	425
Lumenious flux drop	Significant drop in flux after 2000 hours		No significant drop for life
Optimum flux – design temperature	25 degree C		35 degree C
Starting Voltage	More than 180V		Less than 120V
Power factor	0.65	0.9	Greater than 0.95
Cost of tube replacement	Rs. 40/-	Rs. 80/-	Rs.180/-
Capital Investment	Rs 150 x 500 = Rs. 75,000/-	Rs450 x 380 = Rs. 1,71,000/-	Rs 950 x 425 = Rs. 4,03,750/-
Energy Charges / year @ Rs4.50/kWh	Rs. 10.84 Lacs	Rs.6 lacs	Rs.4.9 Lacs
Pay back	-	2 months	7 months for T12 26 months for T8