

Mfrs : LED Indoor / Out door Lighting | Solar Street Lights | UPS Systems | Roof Top Solar Power Pack

Power Consumption Comparison of LED Tubes with Fluorescent tubes For Commercial Applications.

Electrical Description	Fluorescent Tubes	LED Tube Lights
POWER CONSUMPTION	40 WATTS @ 0.7Pf	20 WATTS@ 0.95 Pf
TOTAL WATTAGE FOR 8 HRS WORKING / DAY	57 w X 8 Hrs = 456 Watts/day	21 w X 8 Hrs = 168 Watts/day
POWER CONSUMPTION / DAY	456 W/1000 = 0.456 units/ day	168 W/1000 = 0.168 units/ day
POWER CONSUMPTION / MONTH	0.456 units X 30 Days = 13.68 Units	0.168 units X 30 Days = 5.04 Units
TOTAL MONTHLY BILL / TUBE	13.68 Units X Rs. 7/Unit = Rs. 95.76/-	5.04 Units X Rs. 7/Unit = Rs. 35.28/-
TOTAL MONTHLY BILL 100 NOS	Rs. 95.76 X 100nos = Rs.9,576/-	Rs. 35.28 X 100 Nos = Rs. 3,528/-
TOTAL YEARLY BILL FOR 100 TUBES	Rs.9,576 X 12 months - 1,14,912/-	Rs 3,258 X12 Months = Rs.39,096/-
Overall the LED Tube Power consumption will be cheaper than the Fluorescent Tubes by 64%, SAVINGS ON POWER CONSUMTION BILL.		

The Advantages of LED Tube light over the Fluorescent Tube Lights.

FLUORESCENT TUBES	LED TUBE LIGHT
Fluorescent tube is a Mercury gas Discharge lamp.	Light Emitting Diode, a Semiconductor device as the source of light
Generates Ultra violet rays which has ill effects on the Skin of a human body	Does not generates Ultra violet rays and hence no harm on human body, Eco friendly.
Flickers on Switching	No Flickering & Instant start
Loss of illumination for unused area due to 360 degree lighting .	Illuminates only the usable area up to 120 degrees.
The life span of a tube is 5000 hrs which is 18 months & choke 3 years @ 10 hrs working/day	The life span of a tube is 40,000 hrs which is 11 years @ 10 hrs working/day.
Higher Power Consumption due to low Power Factor of a choke @ 0.7 Pf	Low Power Consumption due to High power Factor of LED Driver @ 0.9 Pf
High Power Consumption bill	Lower Power Consumption bill @ 64% savings
Chance of getting Mechanical Damage due to glass.	Due to Poly Corbonate cover, chances of damage is very remote.