

GTS

Personal/professional LIGHTING

lighten up your desires.....



Eye Friendly



Eco Friendly



Flicker Free



Energy Saving



Instant Start



30,000 Hours



Install & Use



Stable Output



Surrounding



High Lumen



Wide Voltage



10,00,000



Radiation Free



Toxic Free

Green Technology System

Usage of LED

3 watt,	Bath room, Stairs, veranda
5 Watt	Car Parking, Store,
7 watt, 9 watt, 12 watt,	Bed room, Reading room, Dinning, Kitchen, office, Class room, Shop, Etc,
18 watt, 24 watt, 30 watt, 36 watt, 50 watt,	Shopping malls, Mills, Industries, Factories, Convention Centers, Hall rooms, Community Centers, Hospital, Clinics, University, College, Medical college ,Corporate office Chambers

Products :



LED Bulb/Tube

LED Flood Light

LED Down Light



LED Flat/Round Panel

LED Ceiling Light



LED Spot Light

LED Tracking Light

LED Street Light



Emergency Exit LED Light



LED Waterproof Light



LED Candle Light



LED Dimmable Light

Disadvantages of CFL/Incandescent

- ✓ Low Efficacy
- ✓ Negative Impact on the Environment
- ✓ Short Lifespan
- ✓ Costs Involved
- ✓ Sensitivity to Vibration

Technical Specifications

LED lightsources	-----	SMD2835,3014
Input Voltage	-----	95~265V(AC),12V(DC)
Frequency	-----	50/60Hz
Power Factor	-----	0.96pf
Rated Life	-----	35,000~50,000hours
Color Temperature	-----	2700-6500K
Efficacy	-----	105lm/W
Luminous Flux	-----	72.1lm/W
Color Rendering Index	-----	>80
BaseType	-----	E27,B22
Beam Angle	-----	320p
Protective Class	-----	Ip44
Thread	-----	<10%
Lumen Maintenance	-----	98%upto10,000hours

Services You will get



- Design & Layout Support
- Project Planning & Implementation
- Servicing & Maintenance
- Warranty Support

Why LED???

- Efficiency** : LED emits more lumens per watt than incandescent light bulbs/CFL.
- Color** : LED's can emit light of an intended color without using any color filters as traditional light used. LED installation cost is higher but only for the first time.
- Size** : LED's are smaller in size (<2mm) and are easily attached to PCB.
- Response** : LED's light up very quickly. LED also used in communication devices because of its faster response time.
- Dimming** : LED's can be very easily dimmed by PWM or lowering forward current.
- Cooling** : In contrast to the lightest sources, LED radiates very little heat in the form of IR that can cause damage to sensitive objects or fabrics. Wasted energy is dispersed as heat through the base of the LED.
- Lifetime** : Report estimates that LED has 30,000 to 50,000 hours of useful life, though time to complete failure may be longer. Fluorescent tubes typically are rated @ about 2,000 to 6,000 hours compared to LED.

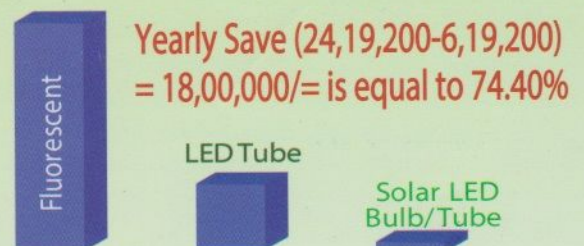
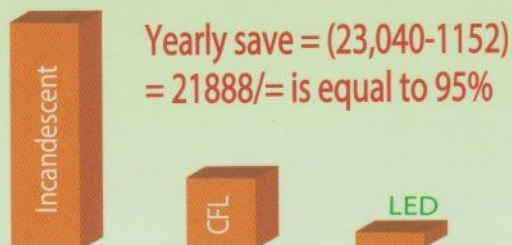
Comparison

Description	Incandescent	CFL	LED Bulb
Wattage	100W	30W	5W
Usage per day (hours)	8	8	8
Wh = Wattage x hours	800	240	40
1000Wh = 1 unit	0.8	0.24	0.04
Per Unit Cost 8/=	6.4	1.92	0.32
Monthly Bill/light	192.00	57.60	9.60
Yearly Bill/light	2,304.00	691.20	115.20
Yearly Bill/10 lights	23,040.00	6,912.00	1152.00
Life Time	0 year	1 year	10 years
Warranty	6 month	1 year	3 years

Table_01 for LED Bulb

Description	Fluorescent	LED Tube	Solar Bulb/Tube
Wattage	70W	18W	18W
Usage per day (hours)	8	8	8
Wh = Wattage x hours	560	144	144
1000Wh = 1 unit	0.56	0.144	0.144
Per Unit Industrial Cost 12/=	6.72	1.72	No bill
Monthly Bill/Tube	201.60	51.60	No bill
Yearly Bill/Tube	2419.20	619.20	No bill
Yearly Bill/1000 Tubes	24,19,200	6,19,200	No bill
Life Time	1 year	10 years	15 years
Warranty	1 year	3 years	5 years
Load Shedding	Problem	Problem	No Problem

Table_02 for LED Tube



Company Overview

Solar Power & Electric Industries LTD, the end to end solar solution provider of the country is now a Green Power Community. Solar Power & Electric Industries LTD. is a concern of GTS Group, a prominent business group of the country started journey on April 2010, now working on Renewable Energy Sector in Bangladesh. Solar Power & Electric Industries Ltd. an ISO 9001:2008 (Quality) certified company, provides all solar solution of the country and manufacturing Solar Module, LED Bulb/Tube, Solar Water Heater, Solar Battery, Charge Controller & Inverter, installer of solar system both on-Grid and off-grid, Solar Irrigation System, Solar Power Plant and supplies of small and large Solar Home System over the country. Solar Power & Electric Industries LTD. manufactures GTS brand Solar products and intends to export the high quality products worldwide with the tested certification from BUET.



Solar Power & Electric Industries LTD.
Earth Lover Fertilizer LTD.
Quantum Real Estate LTD.
Rumina Embroidery LTD.
City Mahal Chinese Restaurant & Convention Hall
Swallow Trading International
Gama Embroidery
BCI Trade Corporation LTD.
Midland Tex International Limited

Certifications



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