



Kanha Electronics

75-76, Shreeji Estate, Raipur Mill Compound, Opp. Narayan Estate,
Saraspur, Ahmedabad 380018, Gujarat, INDIA.
Email: info@litsunenergy.com www.litsunenergy.com



PROJECT: 230V Based LED STREET LIGHTS

ABOUT US

With rising global warming and pollution levels, the world is moving towards harnessing more and more renewable energy resources. Although the technology for converting solar energy, wind and bio mass wastes into electricity has been in existence for a long time, but the associated high costs and large economies of scale required have made it virtually impossible for common man and smaller organizations to make use of these resources.

Litsun Energy has leveraged on the recent improvements in solar panel efficiencies, advent of efficient high brightness LEDs, depreciation benefits, the role of carbon credits and government subsidies to make solar driven systems economically feasible. With a focus on **solar thin film** technology, **LED** technology and optimal system design, we have achieved 2x - 3x cost advantage as compared to the conventional solutions. We are not just limited to production & installation but also provide green consultancy for campuses, corporate and government.

LitSun has been founded by people with vast **global experience** in **solar** and **semiconductor** industry. We have worked on solving energy crisis problems for some high profile clients and done installations all over the country.

THE BENEFITS OF SOLAR/LED

The benefits of Solar Lighting:

- **No laying down electrical wires and digging** hassles required which usually consume close to a month's time for completion
- **Zero electricity running cost** for solar based lights
- Payback periods of less than **3 years**
- **High durability** of solar panels and LEDs. Both solar panels and LEDs last for more than 10 years. In comparison, the conventional sodium and CFL lamps typically require replacement twice every year
- **Less heat emission and easy disposal** due to absence of harmful substances like **mercury** and **lead**
- **80% depreciation** benefits
- Subsidy available on solar power packs for more than 1 kW installation
- **Carbon Credits** may be availed for large installations
- **Cleaner and Greener environment to breathe!!**

The benefits of LED lighting:

- Drastic **reduction in power consumption**. They have the highest efficacy (lumens/ watt) amongst all types of light sources
- **Environment friendly** because of the absence of **mercury** as compared to CFLs, tube lights etc and hence easy disposal
- **High durability** of 60,000 hours requiring virtually no replacement
- **High Color Temperature** of light (purer form of light)
- Less emission of heat leading to **lesser load on air conditioners** and hence further power savings
- **Huge Carbon Credits** can be availed for large projects