

LED Lighting Solutions... Redefined!!!

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Company Profile

Who are we?

Ecotek Schema Pvt. Ltd. was conceptualized in the year 2007 when the promoters of the company, with current business interests in varied industries, decided to invest in R&D for developing Retrofit LED Lighting solutions for indoor and outdoor applications. With existing experience of managing factories in China for different businesses the promoters of the company decided to go out and invest in a stake in a large manufacturing set up in China with a devoted production capacity for Ecotek India. For 2 years, investments were made in R&D and Ecotek Schema was launched in April 2009 as a specialised company focussed on development and supply of LED general lighting products for Indoor and Outdoor Applications.

The same of the same

With the assistance of talent from within and outside India, Ecotek has succeeded in developing products ranging from LED Lamps to LED Street Lighting. We offer an array of Products that are Retrofit replacements for conventional lamps which will not only help you in leaving a smaller carbon foot print by reducing CO2 Emissions but also help you save energy between 50% - 90% on the lighting load of your electricity bills. All our LED products are ROHS compliant and CE Certified.

Since Ecotek's inception it has been able to grow organically, drawing into its fold leading Clients from verticals like Retail Stores, Shopping Malls, Hotels, Factories, Corporate Offices, Hospitals etc. We currently operate from our corporate office in Mumbai and have branch offices in Kolkata and Bangalore. The Business Strategy of the company is to accelerate the shift to energy efficiency in designated sectors through innovative measures to make affordable products.



Mission & Vision

VISION:

Ecotek plans to be responsible in terms of energy savings that can be achieved by using the latest technological innovations. Our vision is to develop and produce products which can help conserve energy which in turn can be used for places and people who are deprived of the same

MISSION:

PURPOSE: Conserve Energy

Ecotek aims to combat the challenges of energy crisis that stares the world in the eye. It is therefore committed to reducing carbon footprints for all its clients in all aspects of its business

PEOPLE: Customer Centric Approach

To achieve total customer satisfaction with absolute focus on quality and superior service. Ecotek helps its customers use energy effectively and increase Business productivity with sustainability

PRODUCT: Continuous Technology Up gradation and Product Development

Smarter systems make better use of energy – both to save costs and contribute to a better environment. Ecotek is therefore involved in continuous innovations so as to cater to the ever changing needs of the customer

PRINCIPLE: Working with Integrity

Conducting our operations with integrity and with respect for the many people, organizations and environments our business touches has always been at the heart of our corporate responsibility

Energy Saving Needs In India

Why India needs to focus on saving Energy

Some Facts: While the Government of India has expressed confidence that the country has succeeded in facing the global slowdown better than others, the fact remains that India's power sector faces a massive backlog. There is a huge gap between supply and demand of energy, with as many as 400 million people in India living in the dark. This cost alone is huge. India will need 600 billion euro's (around US\$ 890 billion) in investment in the next two decades. Half of that will go to the cost of power generation and the rest into power distribution and management.

The country has also invested heavily in recent years in renewable energy utilization, especially wind energy. However one of the problems India faces with respect to increasing its power generation is the time it takes to establish power plants. It takes five to six years to

construct and take online a large-scale power plant in India which can go up to 10 years.

To sustain an economic growth rate of 8-9% over the next 25 years, India's installed power generation capacity alone will have to increase more than fivefold.

The only two options here are:

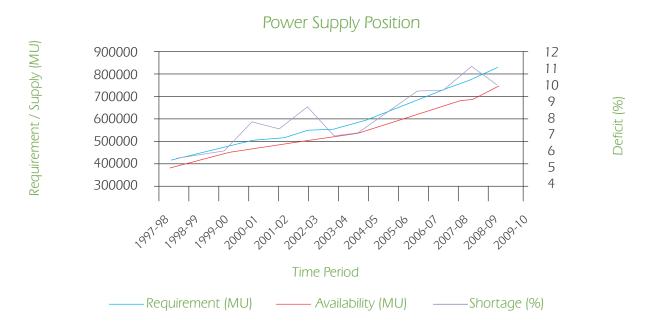
- 1. Increase installed capacities of power generation and distribution.
- 2. Decrease the demand in energy.

While considering all this an important aspect is left out that is **decreasing the demand in energy**. Yes for a growing country like India it is possible to look beyond conventional approach where Demand in energy can be



substantially decreased by the use of optimum energy efficient products which will not only help reducing the demand but also save energy and money compared to conventional products that are currently being used in the industry.

This is where Ecotek comes in!!!

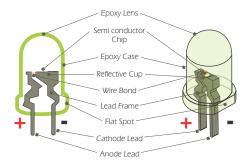


Source: CEA, Power Scenario at a Glance, July 2007

Technology / Benefits Advantages of LEDs

LED Lighting Benefits

- No Glass
- Flicker Free
- No toxic phosphor, mercury, or lead
- Light output comparable to popular, similar sized conventional lamps
- Recyclable
- No electrical work required for retrofit installation
- 50000 hours life (typical)
- Programmed/instant/rapid/trigger start
- Typical power reduction of 50% or more when compared to conventional lamp
- No "burn out" failure



The future of lighting will soon be the wide spread adoption and use of energy efficient LED lighting. Though the present market for finished LED products is geared mainly towards enthusiasts and early-adopters, the efficiency and cost effectiveness of LED lighting systems will drive demand and revolutionize the way the world is lit.

What is a Light Emitting Diode?

The LED consists of a chip of semiconducting material doped with impurities to create a p-n junction. As in other diodes, current flows easily from the p-side, or anode, to the n-side, or cathode, but not in the reverse direction. Charge carrier electrons and holes flow into the junction from electrodes with different voltages. When an electron meets a hole, it falls into a lower energy level, and releases energy in the form of a photon.

Solid-state lighting is a type of lighting that uses solid state electroluminescence for illumination rather than electrical filaments, plasma or gas and creates visible light with reduced heat generation and dissipation. Most common "white" LEDs convert blue light from a solid-state device to a white light spectrum using photoluminescence, the same principle used in conventional fluorescent tubelights.



The typically small mass of a solid-state electronic lighting device provides for greater resistance to shock and vibration compared to brittle glass tubes/bulbs and long, thin filament wires. They also eliminate filament evaporation, potentially increasing the life span of the illumination device.

The operational life of current LED lamps is 50,000 hours. The long operational life of an led lamp is a stark contrast to the average life of an incandescent bulb, which is approximately 5000 hours. If the lighting device needs to be embedded into a very inaccessible place, using LEDs would virtually eliminate the need for routine bulb replacement.

There is no comparison between the cost of LED lights vs. traditional incandescent options. With incandescent lamps, the true cost of the lamp is the cost of replacing bulbs and the labor expense and time needed to replace them. These are significant factors, especially where there are a large number of installed lamps. For office buildings and skyscrapers, maintenance costs to replace lamps can be enormous. These issues can all be virtually eliminated with the LED option.

The key strength of LED lighting is reduced power consumption. When designed properly, an LED circuit will approach 80% efficiency, which means 80% of the electrical energy is converted to light energy. The remaining 20% is lost as heat energy. Compare that with incandescent bulbs which operate at around 20% efficiency, 80% of the electrical energy is lost as heat.



range of LED lights will help you save between 50-90% on your energy costs and deliver all the added promises of LED technology

Technology Comparison Chart

Comparison

Parameters	LED (6.5W LED bulb)	Incandescent (60W bulb)	CFL (18W cfl)	
Formulation	LED Based	Tungsten Filament	Mercury based	
Lumens/Watt	80 - 85	17 - 20	70 - 80	
Light bulb projected lifespan	50,000 hours	1200 hours	8000 hours	
Heat Dissipation	Cool	Extremely Hot	Hot	
Toxicity	Eco Friendly	Toxic	Toxic	
Illumination Spread	Even, focused and constant	Uneven, fluctuating and spillage	Uneven, fluctuating and spillage	
Color rendering index	80 - 85	100	50	
KWh of electricity used over	300	3000	700	
50,000 hours				
Frequent On/Off Cycling	No effect	Some effect	Shortens lifespan	
Tums on instantly	Yes	Yes	Slight delay	
Durability	Durable	Fragile	Fragile	
Heat Emitted	Low	High	Medium	
Sensitivity to temperature	No	Some	Yes	
Sensitivity to humidity	No	Some	Yes	
Hazardous Materials	None	None	5 mg mercury/bulb	
Replacement frequency	1	40+	6	
(over 50k hours)				

^{*} Comparison for reference purpose only

Glossary of Icons



C Conformité Européenne

Quality test conforming to European standards regarding consumer safety, health or environmental requirements Upto 50,000 hours life
Products have a life upto 50,000 hours

Restriction of Hazardous Substances Directive

This directive restricts the use of hazardous materials in the manufacture of various types of electronic and electrical equipment

Undimmable

Recyclable

Internationally recognized symbol used to designate recyclable materials

IP65
International Protection Rating

Indoor use only
Products to be used indoors only

Lamp only
Contains only lamp

Two year guaranteeProducts have a 2 year guarantee

Complete fixtureContains lamp and fixture

9W T8 - 2 Feet LED Tubelight



Item Code: **ECODLWF-0026**

Electrical Parameters

Input Voltage
Frequency
P/F
Consumption
Life
Replacement Guarantee

Equivalent to

Ac100~240V 50~60Hz > 0.95 9W 50000Hrs 2yrs

18W FTL



















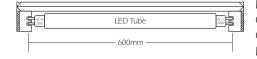
Optical Parameters

No of LEDs

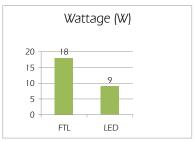
LED COLOR
Color Temperature
Color Rendering Index
LED efficiency
Total Flux
Illuminance at height of 1m
Illuminance at height of 2m
Illuminance at height of 3m
Beam Angle

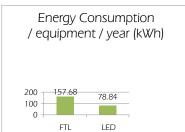
150pcs SMD3528, each LED can reach 7.5lm

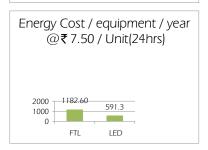
Warm White Day Light Cool White 4000~4500K 3000~3500K 6000~6500K >80 >75 >75 >81lm/W >83lm/W >83Im/W/ 730lm 750lm 750lm 215lux 230lux 230lux 60lux 75lux 75lux 30lux 38lux 38lux 120 120 120



















18W T8 - 4 Feet LED Tubelight



Item Code: **ECODLWF-0033**

Electrical Parameters

Input Voltage
Frequency
P/F
Consumption
Life
Replacement Guarantee

Equivalent to

Ac100~240V 50~60Hz > 0.90 18W 50000Hrs 2yrs

36W FTL



















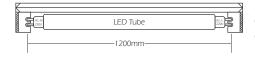
Optical Parameters

No of LEDs

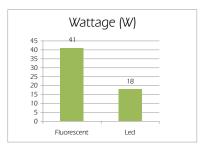
LED COLOR
Color Temperature
Color Rendering Index
LED efficiency
Total Flux
Illuminance at height of 1m
Illuminance at height of 2m
Illuminance at height of 3m
Beam Angle

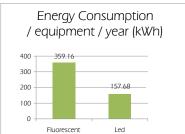
288pcs SMD3528, each LED can reach 7.5lm

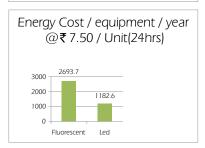
Warm White Day Light Cool White 4000~4500K 3000~3500K 6000~6500K >80 >75 >75 >81lm/W >83lm/W >83Im/W/ 1458lm 1494lm 1494lm 413lux 439lux 439lux 103lux 110lux 110lux 46lux 49lux 49lux 120 120 120



















5W LED Downlight



Item Code: ECODL01-5001

Electrical Parameters

Input Voltage
Frequency
P/F
Consumption
Life
Replacement Guarantee

Equivalent to

Ac100~240V 50~60Hz > 0.92 8W 50000Hrs 2yrs

11W / 13W CFL









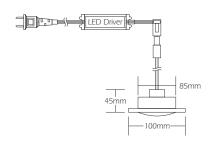












Optical Parameters

No of LEDs

LED COLOR
Color Temperature
Color Rendering Index
LED efficiency
Total Flux
Illuminance at height of 1m
Illuminance at height of 2m
Illuminance at height of 3m
Beam Angle

48pcs SMD3014

Warm White

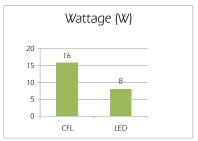
warm write	Day Light
3000~3500K	4000~4500K
>80	>75
>70lm/W	>71 Im/W
347lm	355lm
150lux	152lux
37lux	38lux
18lux	19lux
100	100

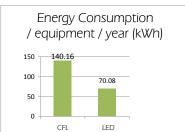
DayLight

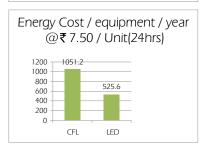
Cool White 6000~6500K >75 >72.4lm/W 362lm 158lux 42lux 20lux

100

















10W LED Downlight



Item Code: **ECODL01-5002**

Electrical Parameters

Input Voltage Frequency P/F Consumption Life Replacement Guarantee

> 0.92 13W 50000Hrs 2yrs

11W x 2 / 13W x 2 CFL











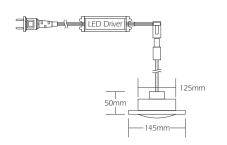












Optical Parameters

No of LEDs

LED COLOR Color Temperature Color Rendering Index LED efficiency Total Flux Illuminance at height of 1m Illuminance at height of 2m Illuminance at height of 3m Beam Angle

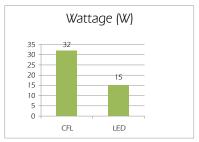
90pcs SMD3014

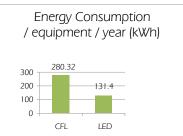
Ac100~240V

50~60Hz

Warm White	Day Light	Cool White
3000~3500K	4000~4500K	6000~6500K
>80	>75	>75
>66.4lm/W	>68lm/W	>70lm/W
664lm	680lm	700lm
265lux	272lux	276lux
67lux	69lux	71lux
30lux	31lux	32lux
100	100	100

















15W LED Downlight



Item Code: ECODL01-5003

Electrical Parameters

Input Voltage
Frequency
P/F
Consumption
Life
Replacement Guarantee

Equivalent to

Ac100~240V 50~60Hz > 0.92 18W 50000Hrs 2yrs

18W x 2 CFL









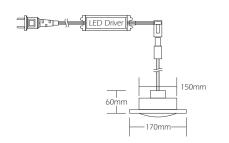












Optical Parameters

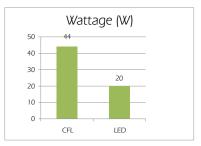
No of LEDs

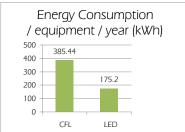
LED COLOR
Color Temperature
Color Rendering Index
LED efficiency
Total Flux
Illuminance at height of 1m
Illuminance at height of 2m
Illuminance at height of 3m
Beam Angle

132pcs SMD3014 LEDs

Warm White	Day Light	Cool White
3000~3500K	4000~4500K	6000~6500K
>80	>75	>75
>65.6lm/W	>67lm/W	>68lm/W
986lm	1005lm	1020lm
393lux	396lux	397lux
99lux	102lux	103lux
44lux	46lux	47lux
100	100	100

















24W LED Downlight



Item Code: ECODL01-5004

Electrical Parameters

Input Voltage Frequency P/F Consumption Life Replacement Guarantee

> 0.85 32W 50000Hrs 2yrs

Ac100~240V 50~60Hz











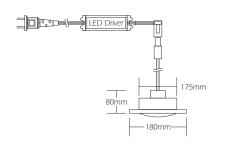












Optical Parameters

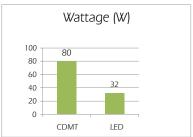
No of LEDs

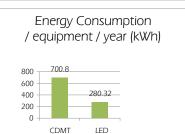
LED COLOR Color Temperature Color Rendering Index LED efficiency Total Flux Illuminance at height of 1m Illuminance at height of 2m Illuminance at height of 3m Beam Angle

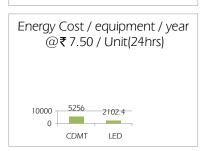
24pcs High power 1W LEDs

Cool White
6000~6500k
>73
>50lm/W
1600lm
583lux
145lux
65lux
110

















Cabinet Light

12W LED Cabinet Light



Item Code: ECOMR01-2001

Electrical Parameters

Input Voltage
Frequency
P/F
Consumption
Life
Replacement Guarantee

Equivalent to

Ac100~240V 50~60Hz > 0.95 12W 50000Hrs 2yrs

12V 50W x 2 Halogen









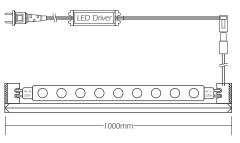












Optical Parameters

No of LEDs

LED COLOR

Color Temperature
Color Rendering Index
LED efficiency
Total Flux
Illuminance at height of 0.25m
Illuminance at height of 0.50m
Illuminance at height of 1.00m
Beam Angle

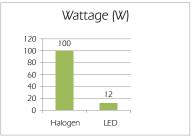
96pcs SMD3014

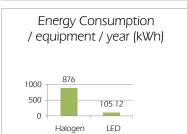
Warm White Day Light 4000~4500K 3000~3500K >80 >75 >80lm/W/ >83lm/W 900lm 750lm 2500lux 3000lux 1400lux 1600lux 900lux 1000lux 60 60

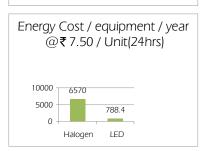
Cool White 6000~6500K >75 >83lm/W

>83lm/w 750lm 3000lux 1600lux 1000lux 60

















4W LED MR16



Item Code: ECOMR01-1001

Electrical Parameters

Input Voltage
Frequency
P/F
Consumption
Life
Replacement Guarantee

Equivalent to

Ac100~240V 50~60Hz > 0.95 6.5W 50000Hrs 2yrs

12V 50W Halogen





















Optical Parameters

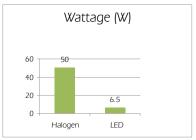
No of LEDs

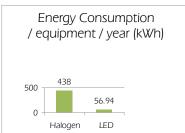
LED COLOR
Color Temperature
Color Rendering Index
LED efficiency
Total Flux
Illuminance at height of 0.25m
Illuminance at height of 0.50m
Illuminance at height of 1.00m
Beam Angle

4x1W each

Warm White	Day Light	Cool White
3000~3500K	4000~4500K	6000~6500K
>85	>75	>75
>75lm/W	>80lm/W/	>80lm/W
300lm	320lm	320lm
800lux	900lux	900lux
275lux	300lux	300lux
90lux	100lux	100lux
28	28	28

















60W LED Highbay Light



Item Code: ECOHL01-9001

Electrical Parameters

Input Voltage
Frequency
P/F
Consumption
Life
Replacement Guarantee

Equivalent to

Ac100~240V 50~60Hz > 0.82 65W 50000Hrs 2yrs

150 - 200W HPSV / Mercury Vapour







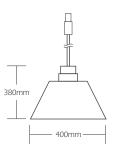












Optical Parameters

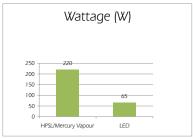
No of LEDs

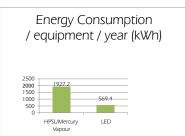
LED COLOR
Color Temperature
Color Rendering Index
LED efficiency
Total Flux
Illuminance at height of 3m
Illuminance at height of 4m
Illuminance at height of 5m
Beam Angle

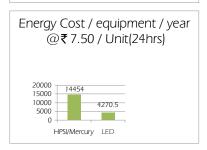
60pcs High Power 1W LEDs

Warm White Cool White 6000~6500k 3000~3500K >78 >71 >63 Im/W>66lm/W 4100lm 4300lm 360lux 392lux 190lux 220lux 115lux 140lux 75 75

















90W LED Highbay Light



Item Code: **ECOHL01-9002**

Electrical Parameters

Input Voltage Frequency P/F Consumption Life Replacement Guarantee

Equivalent to

Ac100~240V 50~60Hz > 0.85 102W 50000Hrs 2yrs

250W HPSL / **Mercury Vapour**











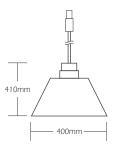












Optical Parameters

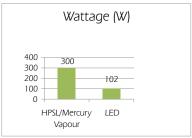
No of LEDs

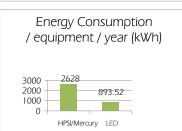
LED COLOR Color Temperature Color Rendering Index LED efficiency Total Flux Illuminance at height of 3m Illuminance at height of 4m Illuminance at height of 5m Beam Angle

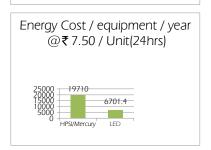
90pcs High Power 1W LEDs

Warm White Cool White 6000~6500k 3000~3500K >78 >71 >67 Im/W>72Im/W6900lm 7203lm 810lux 850lux 430lux 475lux 265lux 305lux 75 75

















Other Products



56 x 1W LED Streetlight Item Code: **ECOSTWF-0008**



112 x 1W LED Streetlight Item Code: **ECOSTWF-0007**



168 x 1W LED Streetlight Item Code: **ECOSTWF-0006**



224 x 1W LED Streetlight Item Code: **ECOSTWF-0005**



48 x 1W LED Floodlight Item Code:**ECOPRWF-0002**



6.5W LED Bulb Item Code: **ECOBUWF-0401**



18 x 1W LED Wallwasher Item Code:**ECOWWRT-1001**



7W LED Par 30 Item Code: **ECOSPWF-0204**



14W LED Par 38 Item Code:**ECOSPWF-0207**

Comparison

Product Comparison of Conventional Light with Ecotek LED light

No.	Conventional Product	Watt Consumed	Ecotek LED replacement	Watt Consumed	%
1	2 ft Fluorescent Tubelight T8 (18W / 20W)	21W - 24W with Electronic Ballast 26W - 28W with Copper/ Electromagnetic Ballast	2 ft T8 LED Tube with built-in Driver (Clear / Frosted)	9w	69%
2	4 ft Fluorescent Tubelight T8 (36W / 40W)	39W - 42W with Electronic Ballast 44W - 48W with Copper/ Electromagnetic Ballast	4 ft T8 LED Tube with built-in Driver (Clear / Frosted)	18W	62%
3	2 ft Slim Fluorescent Tubelight T5 (14W)	16W - 18W with Ballast	2 ft T8 LED Tube with built-in Driver	9w	50%
4	4 ft Slim Fluorescent Tubelight T5 (28W)	31W - 32W with Ballast	4 ft T8 LED Tube with built-in Driver	18W	50%
5	2x26W PL fitting	58W - 60W with Ballast	15W LED Downlight with External Driver	20W	60%
6	2x18W PL fitting	42W - 46W with Ballast	24LED Downlight with External Driver	32W	64%
7	1×18W PL fitting	22W - 24W with Ballast	10W LED Downlight with External Driver	13W	64%
8	2x13W PL fitting	32W - 34W with Ballast	10W LED Downlight with External Driver	15W	53%
9	2x11W PL fitting	26W - 28W with Ballast	10W LED Downlight with External Driver	13W	69%
10	1x36W PL fitting	40W - 42W with Ballast	2x9w 2 ft T8 LED Tube fitting with built-in Driver	18W	62%
11	2x36W PL fitting	80W - 84W with Ballast	4x9w 2 ft T8 LED Tube fitting with built-in Driver	36w	60%
12	3x36W PL fitting	118W - 122W with Ballast	4x9W 2 ft T8 LED Tube fitting with built-in Driver	36w	73%
13	35W MR16 halogen	35W with Ballast	4x1W LED MR16 with External Driver	6.5W	86%
14	50W MR16 halogen	50W with Ballast	4x1W LED MR16 with External Driver	6.5W	90%
15	70W CDMT Spotlight	83W - 87W with Ballast	18w LED spotlight/ wall washer	22w	89%
16	150W Flood Light	165W - 172W with Ballast	48x1W LED Flood Light with built-in Driver	52W	68%
17	72W HPS Street Light	85W with Ballast	28x1W LED Street Light with built-in Driver	32W	62%
18	150W HPS Street Light	170W with Ballast	56x1W LED Street Light with built-in Driver	72W	58%
19	300W HPS Street Light	330W with Ballast	112x1W LED Street Light with built-in Driver	145W	56%
20	500W HPS Street Light	530W - 540W with Ballast	168x1W LED Street Light with built-in Driver	220W	58%
21	60W Incandescent Bulb	60W	6.5W LED Bulb with built-in Driver	7W - 8W	87%

Proud to be associated with





























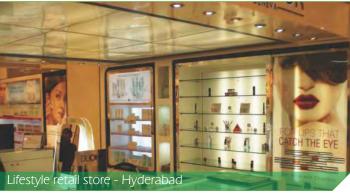


... and growing

Installation Pictures





































FAQs



Why LED's?

As a rule, LED lamps use upto 90% less electricity than standard bulbs. They have an unparalleled even spectrum of light and have a lifespan beyond ten years. LED's provide us the most efficient way to save energy and conserve our natural resources. If LED's were implemented right now universally, we would not need to build another power plant. LEDs would actually eliminate the need for over 30 existing power plants.

Do LED Lights contain mercury?

No. LED Lights do not contain mercury. They can actually be recycled with relative ease since they do not contain any hazardous substances.

How do LED light bulbs compare to CFL bulbs?

Studies show LED light bulbs use 50% less energy than CFL bulbs and in many cases last 10 times longer than CFL light bulbs. They are much more durable, environmentally friendly, vibration and shock resistant and offer excellent light quality, both indoor and outdoor.

Do LED Lights produce as much heat as CFL or Incandescent bulbs?

LED Lights emit much less heat than a CFL or incandescent light. In many cases, you can actually feel the temperature difference just by being near the light. LED lights will always operate at a lower temperature than a CFL or incandescent which has immediate benefits in reduced air conditioning load and hence reduced electricity bills.

What type of plastic is the cover made out of?

The transparent cover is made of Polycarbonate. Polycarbonates are a particular group of thermoplastic polymers that are easily worked, molded and thermoformed that are temperature resistant and impact resistant.

Is LED light a different type of light?

Yes, LED light is said to be a safer, healthier light. LEDs do NOT produce any sort of ultraviolet radiation which causes fabric fading, color fading in Art, carpeting and other soft goods. There is none of the 'buzzing' or 'flickering' that many people are sensitive to with LED Lights. Residential and especially commercial and industrial plants, stores libraries, galleries, and warehouses can immediately benefit from LED Lighting.

LED lighting is more efficient, durable, versatile and longer lasting than incandescent and fluorescent lighting. LEDs emit light in a specific direction, whereas an incandescent or fluorescent bulb emits light and heat in all directions. LED lighting uses energy more efficiently.

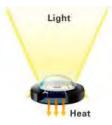
For example, an incandescent or compact fluorescent (CFL) bulb inside of a recessed can will waste about half of the light that it produces, while a recessed down light with LEDs only produces light where it's needed in the room below.



Incandescent bulbs create light by passing electricity through a metal filament until it becomes so hot that it glows. Incandescent bulbs release 80% of their energy as heat.



In a CFL, an electric current is driven through a tube containing gases. This reaction produces ultraviolet light that gets transformed into visible light by the fluorescent coating (called phosphor) on the inside of the tube. A CFL releases about 50% of its energy as heat.



LED lighting products use light emitting diodes to produce light very efficiently. The movement of electrons through a semiconductor material illuminates the tiny light sources we call LEDs. A small amount of heat is released backwards, into a heat sink, in a well-designed product; LEDs are basically cool to the touch



Why are LED lights more expensive?

LED light bulbs use an actual circuit board to operate and are made of electronic components. Essentially, they could be considered as an electronic device. This technology continues to gain advantage almost daily. The manufacturing and supply/demand of general lighting products are gearing up today, and we will see costs continue to decline as the adoption rate of LED Lighting increases.

How long do LEDs for general lighting really last?

The longevity of LED Lighting can be 100,000 hours. LED's are Solid State devices (SSL – or "solid state lighting"); they will not burn out. Life expectancy for SSL lighting is upwards of 50,000 to 100,000 hours or more which means no maintenance costs for facilities workers to replace lights. Over time, the cost of the fluorescent or incandescent bulbs themselves can add up to a significant savings when converting to LED's. An incandescent light bulb is rated for about 1000 hours. CFLs or Fluorescent Tube lights are rated for 6000-8000 hours.

How long is 50,000 hours?

Based on how long a fixture is illuminated per day, here's what 50,000 works out to:

Hours of Operation: 50,000 hours is:

Hours of operation per day	Life in years
24 hours	5.7 years
18 hours	7.6 years
12 hours	11.4 years
8 hours	17 years

Can the Ecotek LED Lights be disposed of safely?

As a matter fact, yes they can, unlike CFLs that contain mercury and have strict disposal laws, ECOTEK LED LIGHTS can be safely disposed off with no worries of contaminating the environment.

Do Ecotek LED Lights conform to safety standards?

ECOTEK conforms to CE, RoHs in all their products and UL in certain products.

What can ECOTEK do for our existing premises?

Ecotek will do an energy audit of your lighting load for the current premises and determine the total energy cost due to lighting currently. We will then propose LED replacements for them and show you a complete ROI model with savings that can be achieved by switching over to LED Lights and the total investment needed for LED lights. Once confirmed, Ecotek will take the complete project on turnkey basis, where the removal of the existing lights and installation of the new LED lights will be done by our expert technicians and electricians and you can Simply Start Saving on Energy Costs.

What can ECOTEK do for a new project?

We will take your existing layout and make a lighting layout suited to your requirement and suggest the best possible options for you with LED Lights to achieve the desired Lux Levels, Ecotek will then show you a comparison of investment between Conventional Lighting and LED Lighting and the cost that you would incur in terms of electricity cost for both Conventional and LED Lighting for you to make a choice.

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