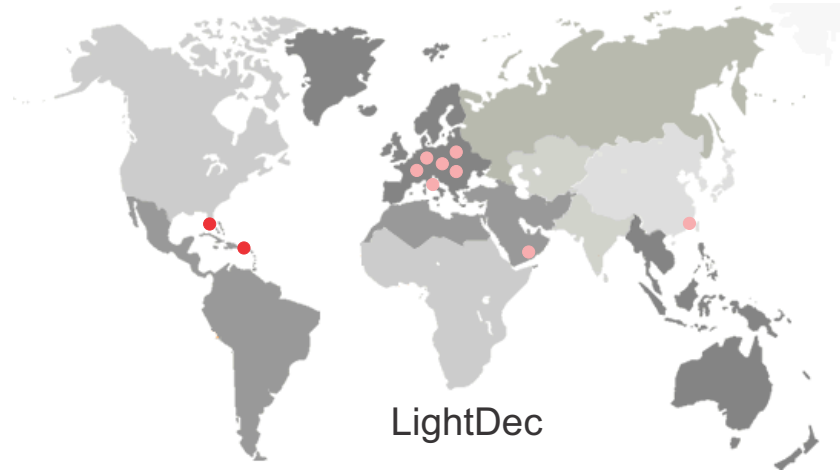


LED Lighting 2017



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START SAVING WITH LED INDUSTRIAL GROUP



Comparison

Comparison	Incandescent	Compact Fluorescent	LED
450 lumen	40W	11W	5W
800 lumen	60W	14W	7W
1100 lumen	75W	22W	11W
1600 lumen	100W	28W	18W
2600 lumen	150W	40W	26W

Energy Efficiency & Energy Costs	Incandescent	Compact Fluorescent	LED
Life Span (70)	1,200 Hours	8,000 hours	50,000 hours
Watts of electricity used (equivalent to a 60W incandescent bulb)	60W	14W	6W
Electricity per year	3285KW	767KW	329KW
Electricity costs per year	\$427.00	\$99.00	\$43.00

Important Facts	Incandescent	Compact Fluorescent	LED
Sensitive to low temperatures	Some	Yes	No
Sensitive to humidity	Some	Yes	No
Turns on instantly	Yes	No	Yes
Heat emitted	85 btu's/hour	30 btu's/hour	3 btu's/hour
Contains Toxic Mercury	No	Yes	No
RoHS Compliant	Yes	No	Yes
Carbon Dioxide Emission	4500 lbs/year	1051 lbs/year	451 lbs/year





FINANCIAL SERVICES

Investing in your business is crucial, but tying up your working capital could mean missing out on other opportunities. We know that the question of how you fund the purchase is particularly important. That's why LED Industrial Group offers a range of financial options, together with a flexible approach to help you meet both the requirements of your business and the changing needs of the marketplace.

RENTALS

Make LightDec an advantage to your business. Why not rent LED products from LED Industrial Group?

- No over capacity
- Renting is the economic option
- Good alternative of bridging
- No need to tie up capital
- 'Try before you buy', you can test LED products before purchase
- Increased choices than there are when buying
- The latest available technology
- Immediate response and high availability
- Competent, specialist advice
- Various options to rent from three months to three years!
- We offer fast delivery to anywhere in the US
- All Products are under warranty

LED TUBES

We started developing LED tubes in 2007 and were one of the first companies to do so. With our engineering team under German and American leadership we have decided to offer different versions of the LED tubes with the objective to replace fluorescent tubes.

Options - We offer a full range of replacement tubes for T8, T10 and T12 in different lengths and colors (warm white, pure white and cool white).

Long-lasting - LED tubes last up to 10 times longer than fluorescent tubes. From our initial product design we are constantly testing our products and can confirm that after 15,000 hours the light depreciation is less than 7%.

Durable - since LEDs do not have a filament, they are not damaged under circumstances when a regular incandescent bulb would be broken. Because they are solid, LED bulbs hold up well to jarring and bumping.

Environmentally friendly - less CO₂ emission, no mercury, no UV light. They don't need to be recycled.

More efficient - LED tubes use only 10-22 watts of electricity (1/3rd to 1/10th of fluorescent tubes). Also, because these bulbs last for years, energy is saved in maintenance and replacement costs.

Features - High LM SMD LEDs, meet the LM70 / LM79 standards, universal AC input voltage from 90V - 277V, passed the 4000V high voltage test, V0 fire proof cover, patented rotatable end cap, specially designed PCB for heat dissipation

LED SPOTS

We supply indoor and outdoor LED spots (halogen for example). The replacement does not require any modifications whatsoever.

The lamp base can be GU10, MR16, E27 and the shapes can be PAR30 or PAR38. They can be delivered in warm or pure white.

Long-lasting - LED bulbs last up to 10 times longer than compact fluorescents, and far longer than typical incandescents.

Durable - since LEDs do not have a filament, they are not damaged under circumstances when a regular incandescent bulb would be broken. Because they are solid, LED bulbs hold up well to jarring and bumping.

Cool - these bulbs significantly reduce heat build-up; LEDs produce 3.4 btu's/hour, compared to 85 for incandescent bulbs. This also cuts down on air conditioning costs.

More efficient - LED light bulbs use only 2-10 watts of electricity (1/3rd to 1/30th of halogen, incandescent or CFL). Also, because these bulbs last for years, energy is saved in maintenance and replacement costs. For example, many cities in many countries are replacing their incandescent traffic lights with LED arrays because the electricity costs can be reduced by 80% or more.

Cost-effective - although LEDs appear expensive, the cost is recouped over time and in electricity savings. Typically the return on investment is within 6 months.

LED STREET AND FLOOD LIGHTS

High power LED street lighting technology had already become the most economic, environmental friendly and energy-saving products in the world. We supply products such as: **LED Street Light, LED Flood Light, LED Parking Light, LED Courtyard Light, LED Commercial Lighting and LED High/Low bay Light.**

Our lights adopt special quadric optical lens which cast the beam angle of every LED onto a rectangular area. The LED lights and LED street light lens were designed adopting international recognized top non-image optic system design concepts, the lens can focus all the light into the area you want to illuminate.

- Save energy (over 80% compared to a metal halide lamp)
- Excellent on and off switching (no warm-up required)
- Reduce significantly the maintenance costs thanks to the long life-time (8 times longer than a metal halide lamp)
- No infrared and UV light radiation
- Environmentally friendly (no mercury and no cadmium, less CO₂)
- Little heat generation
- Constant operational time (no switch off for cool down required)

Comparison	HPS	Metal Halide	LED
Power consumption (same brightness)	175W	150W	20W
Life time (hours)	12,000	9,000	50,000
Colors	Bright white	Orange	Warm and bright white
Heat generation	400F	400F	40F
Luminous Efficacy (lm/W)	100	60	140
Mercury content	30mg	30mg	0mg
Glare	Lots after glare	Lots after glare	No after glare



QUALITY

There are many manufactures of LED products in the market. We distinguish ourselves by implementing top quality procedures and using only the best components to manufacture our products:

- We only use patented white LEDs
- Our products are certified
- We test the life expectancy of every product
- All out tubes are tested for 48 hours before they are shipped to the customer.

Measured in our
laboratory:

**20%
light loss
after 32,640
power-on hours**



ADVANTAGES

- Massive reduction of current consumption
- Easy to install
- Usage highest quality, patented LED's only from leading suppliers
- Considerable less CO₂, no glass, recyclable, no toxic phosphor, mercury or lead
- No flickering, no problems with cold starting
- No need any more of extensive exchange actions during the lifetime of the tube (safety- and costs-aspect)
- Different colors available
- Durable (not made of glass)
- Constant luminosity irrespective of the outside temperature
- No UV-light
- Does not attract insects
- High quality products

44% of the costs of our 4ft tube are spent to purchase quality LEDs.

Cheap tubes means cheap components

