

Definition of what a kWh is:

This is what everyone is trying to save.

The unit kWh is a unit of energy, which is power multiplied by time.

Multiply the power of the equipment (measured in W or kW)

By the time used (measured in h) and you get the energy in kWh.

Only the W (Watt) is capitalized, the k (kilo = 1000) prefix and the time unit h (hour) are not.



High Bay Fluorescent fixture 192 watts

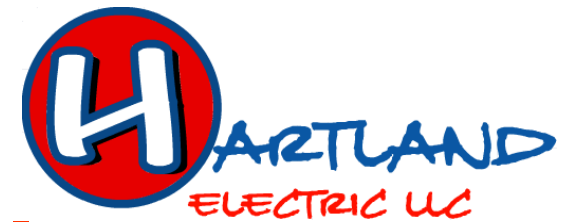
Example:

400 watt High bay

- A power of 4 kW over a time of one hour is four kWh.
- A 400 Watt bulb (0.4 kW) left on for 10 hours uses $0.4 \times 10 = 4$ kWh.
- If your business uses an average of 16,000 W (16 kW) this is (40) 400 watt high bays.
- Then it will consume 160 kWh per day in a 10 hour work shift.

Do you have a light fixture like the one on the front cover of this hand out in your warehouse or on the shop floor? It's a high bay fixture that requires a lamp size of 400 watts. It will cost you \$10.80 a month to run this (1) light for 10 hours per day. This cost was figured at .09 cents a kWh used. Add them **all** up **WOW**. Hartland Electric can increase the efficiency of your lighting and save you money.

LET HARTLAND ELECTRIC BE YOUR BUSINESS PARTNER AND TOGETHER WE CAN MAXIMIZE THE ENERGY EFFICIENCY OF YOUR LIGHTING.



ENERGY EFFICIENT LIGHTING

Does your Facility still have any of these

- T12 fluorescent lamps 40 watt.
- Magnetic or electronic ballast.
- Metal Halide fixtures.
- High pressure sodium fixtures.
- Fluorescent exit signs.
- Incandescent exit signs.



The benefits of LED



T8 Fluorescent lamp with 342 LED lights. Uses 15 watts of energy.

*Efficiency
Longevity
Safety
Durability
Environment
Colors*

LED Lighting Features and Benefits Overview

Efficiency: LEDs use up to 90% less power than traditional lighting.

Longevity: LEDs have up to 100,000 hour Lifespan (11 ½ year powered 24 hrs/day)

Durability: LEDs are much more rugged than traditional lighting.

Safety: LEDs generate virtually no heat. Safe to the touch and reduce fires.

Environment: LEDs are made from non toxic & recyclable materials.

"WHERE THE LOVE OF ELECTRICITY IS AT "

Hartland Electric is a company of licensed, conscientious, courteous and competent electricians. And while you will be seeing our trucks we are locally owned and family operated by a Military Veteran in the community.

WORKMENSHP REASSURANCE

Hartland Electric LLC electricians are experienced , trained and licensed in the State of Michigan as well as friendly, clean and trust worthy.



Please Call us for the next available appointment or Go to our web site and Request Service for the energy efficient upgrade you need.

Energy-Efficient Lighting

Turnkey lighting upgrades and sales

Lease programs

Engineering and design

Energy audit and ROI reports

Federal E-Pact 2005 program

Linear fluorescent lighting

Compact fluorescent lighting

LED lighting retrofits

High Bay Fluorescent Fixture

Motion sensors installed.

Energy Management Systems and devices installed and maintained.



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NABCEP Certified Installer

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