LIGHT POLLUTION

By: Michael R. and Chris S.

Effects of light pollution

The effects of light pollution can lead to serious damage to the biotic organisms and substances of the earth and the damage to the atmosphere itself. Some examples of the effects of light pollution are:

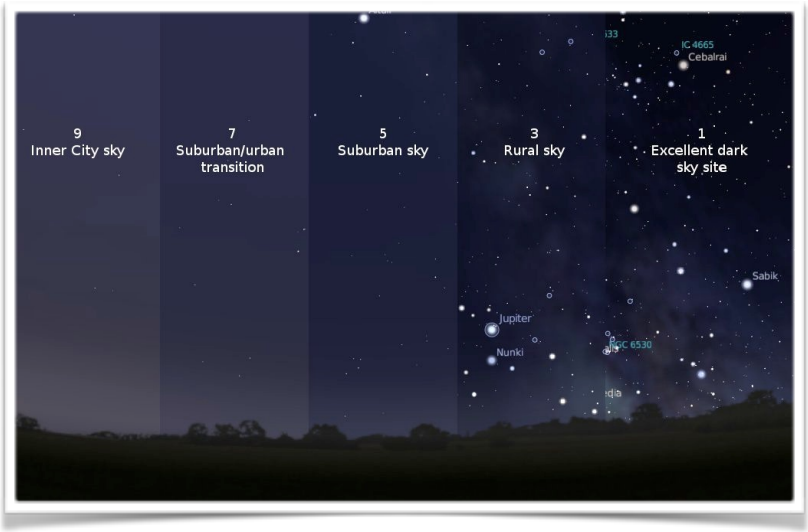
Birds can get distracted by light and makes them lose their sense of direction when traveling.

Sea turtles that are female don't go towards artificial light, which can change their "nesting patterns."

Baby sea turtles go toward artificial light, so they sometimes head inland instead of to the ocean when they hatch.

It wastes energy because some artificial light goes into the sky and isn't used.

Light from cities can increase pollution in the air by destroying "nitrate radicals that form at night and help to cleanse the air."(Green Living Tips)



What is light pollution?

Light pollution is a growing problem around lighted up parts of the world: Chicago, Hong Kong, Paris, New York, etc. Light pollution is brightening of the night sky caused by street lights and other man-made sources, which has a disruptive effect on natural cycles and inhibits the observation of stars and planets. Examples of this are shown in everyday places and things, such as overuse of street lights or improper domain electricity consumption. This leads to the effects and symptoms of light pollution. Light benefits humans by giving them the ability to see in dark spaces. But, it is hurting the Earth.

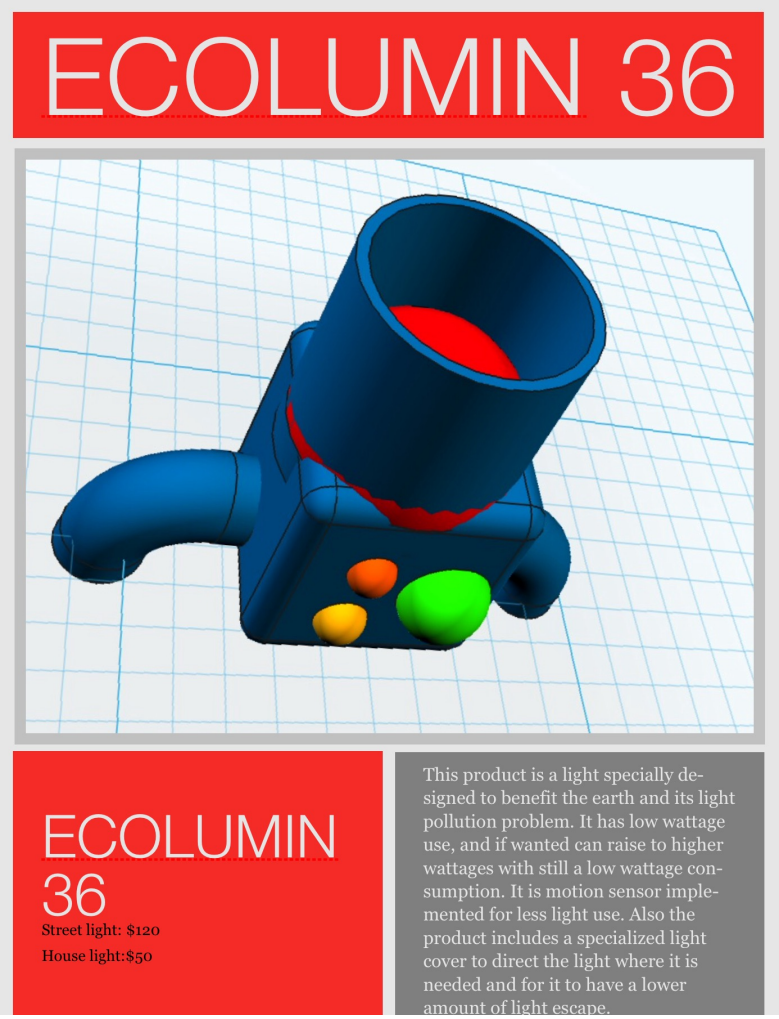
Drawbacks of the EcoLumin 36 and other ways to help

Possible set backs of our product that has been created:

- Can be too expensive for lower class residence.
- Some light will still be able to get into the atmosphere. This drawback can't be fixed, every light has this problem. But, this light reduces the problem of light escaping into the atmosphere.
- An often noted problem is the light will constantly flash with any sort of movement at unwanted or unwelcome times. But, a solution has been made to this unwanted light problem by creating a switch to turn the light off and a motion sensor to react on movement. When ready to go to bed, the light can be turned off so it doesn't turn on in the middle of the night and disrupt sleep.

If buying EcoLumin 36 is too expensive for customers, they can help reduce light pollution by turning off the lights when you are done using them. Also, they can buy motion censored or low wattage lights. The basic, overall way, is to reduce the light that contributes to light pollution.

The light and electricity is contributed by Pacific Gas & Electric. This product is also supported by Environmental Defense Fund Organization.



The customer needs to have access to electricity to use this product. It will be installed in your house by EcoLumin electricians at a time that works for the customer. This light has three buttons that they can use to change the light wattage. The green has a very low wattage; the yellow has a low wattage; and the red makes the light use a max amount of wattage. The max button still uses a little lower wattage than the normal bulb does. The light has a switch that has a motion censored button and an off button that turns the light completely off. When you are going to bed at night, you can turn the light off so it doesn't wake you up at night. These will be installed in the wall just like other light switches are.

What is it made of?

Core 1cm Stainless steel • Cover 2mm Sheet Metal • Buttons Plaster mold • Bulb wattage low:30 med:40 large:50 • Bulb 3mm glass

Light Pollution research Sources :

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