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About street lighting and various issues appertaining to it by Jason Yang

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There is no doubt that street lighting has come a long way and that lighting the streets in an earth-friendly way is now great business. The demand for environment-friendly products has been gathering steam since the late 1990s. It is imperative that the street lights currently available in the market be earth-friendly as opposed to having negative impacts on the environment. The Build Better Earth LED products available via www.bbeled.com are fine examples of these new models.

Street lighting has a worldwide demand with over 140 countries providing the market for street lights and other related products. These countries include Norway, Israel, Djibouti, USA, Russia, China, Romania, Vietnam, Guatemala, Brazil, Pakistan, Philippines, India, Canada, France, Australia, Poland, Korea, Germany, China, and many more.

Most modern street lights contain LEDs as a major component and which makes for a superior quality of lighting. The term LED stands for light emitting diodes and these are sources of light that are illuminated courtesy of electron movement through a semiconductor material.

There are multiple types of street lights and these include the UL LED and solar/wind turbine LED varieties. Wind and sunshine are two major sources of energy that are used to power street lighting because they are very earth-friendly. By virtue of being renewable they have virtually no damage potential to the environment and are thus highly appropriate for the current times.

All street lights undergo a rigorous research and testing stage to ensure that they are of high quality. This stage involves four phases: the distribution photometer stage which checks for optical distribution and the productsâ€™ photometric performance; the integrating sphere, which is an optical component consisting of a hollow cavity with its interior coated for high diffuse reflectivity and having relatively small holes as needed for entrance and exit ports; the IP rating test, which ensures street lights exposed to air are waterproof, and finally, the vibration test which involves sending strong vibrations to lamp poles thus ensuring that all components in the diver or LEDs are not problematic.

Effective street lighting cannot be achieved before the products undergo the packaging and aging stage. In this the Build Better Earth LED lighting products undergo some of the most cutting-edge processes. A eutectic LED packaging line ensures the continuous high quality of products while an auto assembly line enables the assembling of all components of a product. Finally, the auto aging line ensures that all products are fully tested in terms of high/low voltage, switch on/off, etc. It is on the auto aging line where the quality of all products is assured.

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