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LED Lighting Important Facts

As LED lighting evolves, many questions arise as to what to look for in a quality LED light. The LED lighting industry is on a fast track and it can be tedious to keep up with new technology and pass it along to the customer. For that reason, we at On Scene Solutions decided to put together an (unbiased) list of general base guidelines that should be taken into consideration when deciding to purchase LED lighting.

There are many manufacturers of LED products throughout the world that range from extremely poor in quality to products that will last nearly a lifetime. The problem with looking at a circuit board/LED assembly is that you cannot always “see” the quality in the components, only the assembly and packaging.

It is no secret that companies like The Nachia Corporation build exceptionally high quality LED products. However there are thousands of manufacturers of low grade, substandard LED’s that find their way to market every day and unsuspecting buyers snatch them up at a discount “hoping” they made the right decision. The real bottom line is that if the product does not have an adequate warranty, and the product does not withstand the abuse of everyday use, is it really worth the savings? Purchasing a light twice because of poor performance makes for a bad business decision.

On Scene Solutions have had numerous companies purchase our Night Stik product and then manufacture a poorly designed “knock off” version. Our response to that is “We Are Flattered!” We use only Nachia Super Bright LED’s and assemble them using the highest quality production processes and components. The end result is a light that is nearly twice as bright as many of our competitors with an industry leading 5 year free replacement warranty. Quality LED lighting is our passion and we stand behind everything we sell!

Below is a list of features to be aware of when purchasing LED products.

- Demand high quality LED's from a leading manufacturer such as "Nichia".
- Compare light output with a proper candle power meter. Rather than taking a salespersons word, have them provide sample data comparing their products to the leading competition.
- Determine if the housing is completely waterproof. Many knock off manufacturers produce substandard packaging that allows moisture into the circuitry.
- If possible, choose components that may be linked together to extend the lighting "chain" if more lighting may be needed in the future.
- Inspect housing for clarity and durability. Many manufactures use inexpensive, low quality tubing that may scratch easily and may look "cloudy". On Scene Solutions "Night Stik" utilizes only high quality Lexan®.
- Check for durability by rapping the product on a flat hard surface a few times. Many salespeople wince when you do this, but we do it for fun. Some of our demo units have been beaten so many times we have lost count and they are as bright as ever.
- Mounting hardware "if included" should hold the light firmly in place and not allow it to move.
- LED's are manufactured in various beam angles. Some companies claim that a 120 degree beam angle LED is far brighter than a 70 degree beam. In truth, the light intensity, directly in front of the LED is reduced by up to 50% or more. It does spread the light out, however in many cases it diverts too much light away from the actually work area where it is needed most.
- Some manufactures utilize a diffuser lens to help spread light out. In some cases a diffuser may be warranted, however in most cases the beam can be directed as to give proper illumination for the work area, without direct eye contact. On Scene Solutions has found diffusers to lower beam intensity by as much as 50% or more, thus reducing the useable light in the immediate work area.

For technical information, eMail us at info@onscenesolutions.com

To place an order, please visit our web site at:

www.onscenesolutions.com

or call 970-461-8731