Lighting the Future: Upgrading to LED Lighting and Signaling

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Most factories, homes, schools and businesses that are undertaking remodeling or upgrade projects for their lighting systems are investigating and giving serious consideration to the use of LEDs. Everything from architectural lighting, security lighting, remote control applications, signage and more can benefit from the many features of LED lighting and signaling. Groups such as the ALA – American Lighting Association, CEE – Consortium for Energy Efficiency and the DOE – Department of Energy, have recognized new LED lights and recommend their use.

There are a number of reasons that LED lighting is taking over upgrade and improvement projects but the dominant reasons are listed below:

Cost – First and foremost, our upgrade projects operate on a budget. Each component must be selected with cost in mind. LEDs are cost competitive with other lighting options with the added benefits of faster ROI. LED circuits are 75-80% more efficient and consume less power providing instant savings over other options once installed.

Life cycle – Once an LED application has been installed, the maintenance and replacements cost are minimal. Whether it be room lighting, media or advertising signs or a backlit scoreboard in a school gym, LEDs will cost less in future replacement as they have a five to ten year life cycle. For hard to reach applications such as the aforementioned scoreboard or a parking lot light, the replacement savings alone can be considerable in addition to freeing up the maintenance staff to address other building needs.

Brightness – In LED applications such as signs and security indicators, the brightness and color spectrum are greater with LED applications than any other type of standard lighting options. This characteristic is especially beneficial to outdoor locations where fog and other bad weather can reduce visibility and also for long distance viewing purposes.

Control – LEDs are much easier to add to Building Automation Systems or even a PLC controlled production machine. The instant on/off and pulsing abilities of LEDs allow for a boundless set of options. You can connect room lighting to an occupancy sensor, provides production floor communication or advertise your product with a scrolling or flashing message. If you can dream it up, it can be automated with an application featuring LEDs.

VCC offers a wide range of LEDs for signaling, backlighting and communication applications. We also offer Value Added services from Consultation to complete Project Management to assist you in your lighting and signaling upgrade projects. Simply contact us today and let our experienced personnel and global sourcing abilities resolve the questions and offer improvements for your project.