

BUILDING OPERATING management

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EVERYDAY HEROES

**LIMITED RESOURCES CAN'T
STOP INNOVATION AND DRIVE**

LEED for
Healthcare

Security Planning

Furniture Trends

Lighting Upgrades

LIGHTING QUOTIENT

The ambient L241 and L244 lighting systems eliminate the need for overhead lighting and are designed for open plan offices with low- and no-panel systems.



Combining task and ambient lighting, the luminaires create balanced luminance ratios with energy usage at 0.6 watts per square foot. Available as panel, stanchion or bridge mount. **CIRCLE #273**

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LUMENERGI

The NetLight Driver intelligent dimming ballast enables smart fixtures with two-way communication for T5, T5HO, and T8 fluorescent lamps. It operates in DALI or 0-10VDC control modes and takes electrical inputs from 120V to 277V at 50 or 60 Hz. Can perform dynamic demand response and independent load-shedding. **CIRCLE #274**

energy codes to which designs must comply, very limited amounts of incandescent make it onto a project any more, and those are generally used for highly specific purposes for which fluorescent, LED, or metal halide just are not suited. Incandescent is less efficient than other sources, but it still has better color quality, true full range dimming, and is a point source that allows great optical control.

In addition to temperature and type, keep these things in mind as well when replacing lamps.

- Group re-lamp if possible. It takes more effort to re-lamp lamps as they burn out than it does to simply re-lamp all fixtures at scheduled intervals. This won't prevent the necessity to do some spot re-lamping, but there will be far less of it.

- Where wet location fixtures are used, the manufacturer may have particular instructions for re-lamping. These should be followed so as to avoid

water ingress and fixture failure.

- A competitive bid process and the review of any proposed substitutions should ensure that the end product meets expectations. Projects that don't take these steps are asking for trouble.

There's always the chance that the price of steel may jump sharply, or some other factor may affect the total cost of the budget, and the lighting portion will need to shrink to help compensate. If a budget needs to shrink by 5 or 10 percent, it's not too difficult to deal with, and a wonderful project can still be completed. However, if the budget needs to drop by 30 percent or 50 percent, it's best for the end result if the project is re-designed rather than simply remove fixtures and respectify to very low quality product.

Achieving Efficiency

What does it mean to be energy efficient, and how can this be accomplished?

**FIND OUT MORE!**

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Seesmart, Inc. has engineered an extensive line of commercial lighting products that will help you obtain LEED certification, reduce your lighting energy use by 50%, decrease your HVAC cycle times, cut your maintenance costs, and reduce your total cost of ownership. Our products contain no mercury or toxic materials and last up to 50,000 hrs.

**TUBE LIGHT**

This LED tube light is a 15 Watt T8 replacement. This bulb is designed to be a direct retrofit and does NOT use a ballast.

**CANOPY LIGHT**

Our 90 Watt canopy light is ideal for gas stations and similar canopy installations. It replaces a typical 150-250 Watt MH or HPS lamp.

**HIGH BAY**

This high bay is a 100 Watt direct replacement for a 250-400 Watt MH or HPS. This does NOT use a ballast and is backed by a 5-yr warranty.

**NO MERCURY****NO MAINTENANCE****LONG LIFE**

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