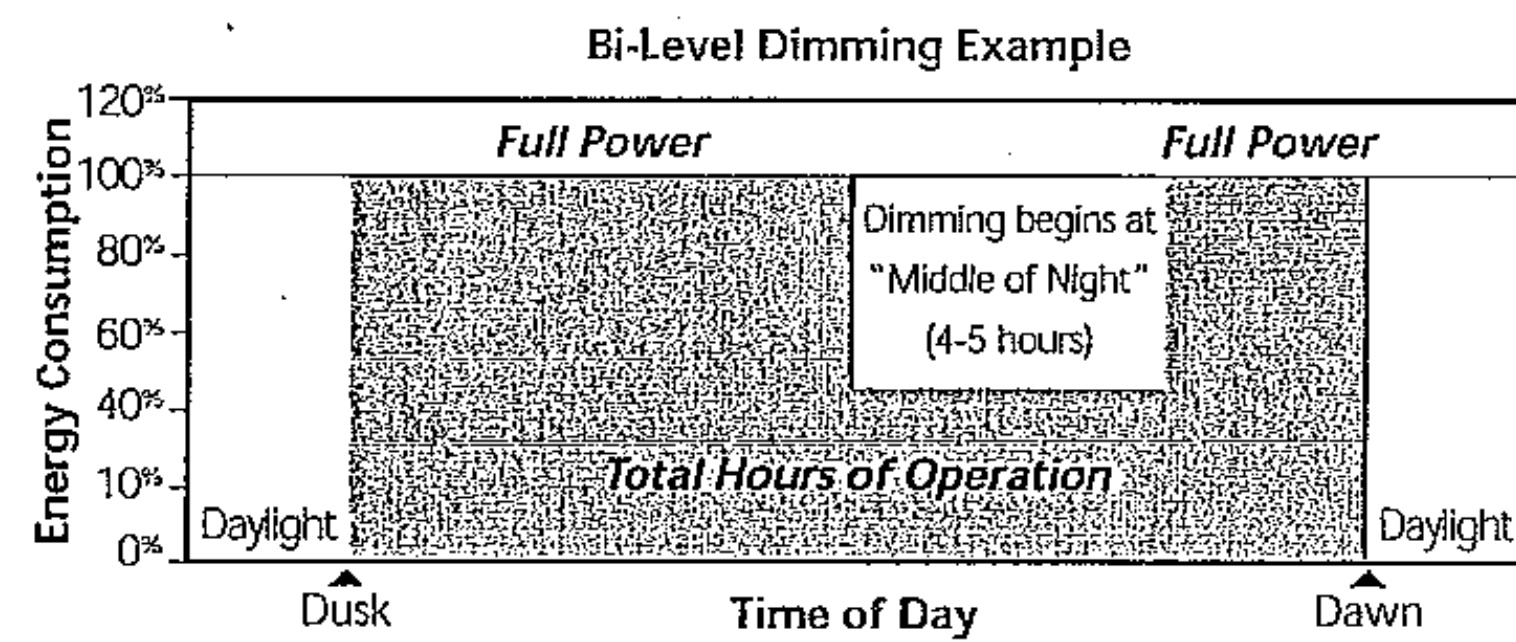


DIMMING CAPABILITIES

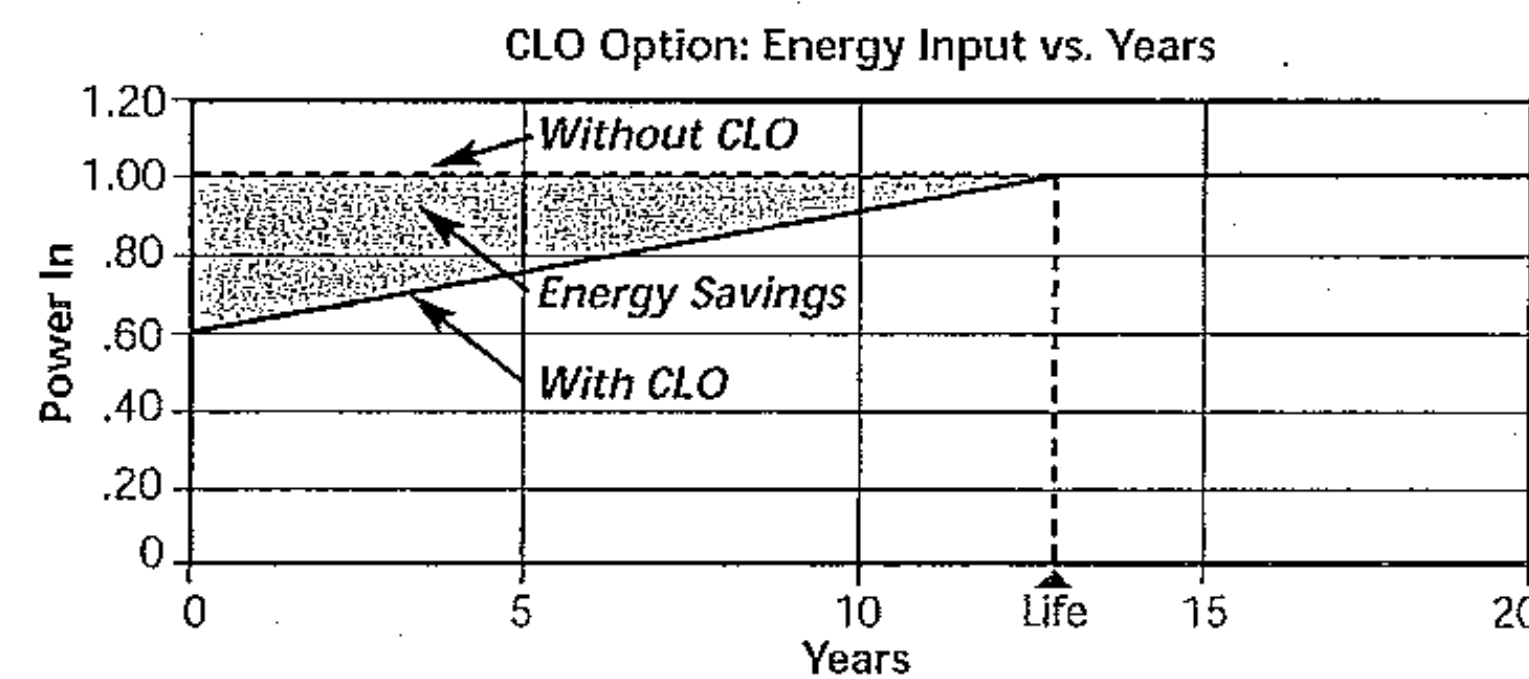
Bi-Level Dimming

Many municipalities are looking for the ability to reduce their energy loads even further by dimming luminaires during off-peak hours. The LEDgend luminaire is available with an integral control system that automatically reduces power. Light output is set at 100% until the midpoint of the night, then reduces to 50% light output for up to five hours. Since LEDs deliver more efficacy (lpw) when driven at lower power, this translates to an energy savings of up to 55% during the dimmed state. The integrated intelligence of the control device daily monitors on/off cycles and adjusts for current sunset/ sunrise time so that the luminaire is always synchronized with the environment. And all of this without the need for an expensive external control system... Perfect for seamlessly enabling this great energy reduction on existing installations.



Constant Lumen Output

Another innovative option available with the LEDgend is constant lumen output (CLO). This option provides constant lumen output for the entire life of the luminaire. The embedded intelligence compensates for the natural lumen depreciation of the LED. Since most street lighting is designed to maintain a specific level of lighting, this avoids the traditional waste of light and energy that would normally occur for any lighting installation. The luminaire is initially driven at roughly 60% of power, and then power is gradually increased as the system ages. Over the lifetime of the installation, this can provide a 15% overall energy savings. This allows LEDgend to add a whole new level of incremental energy savings while ensuring that light levels are maintained for the entire life of the installation. And most importantly, it accelerates the early years of energy savings so critical to ensuring a good economic payback.

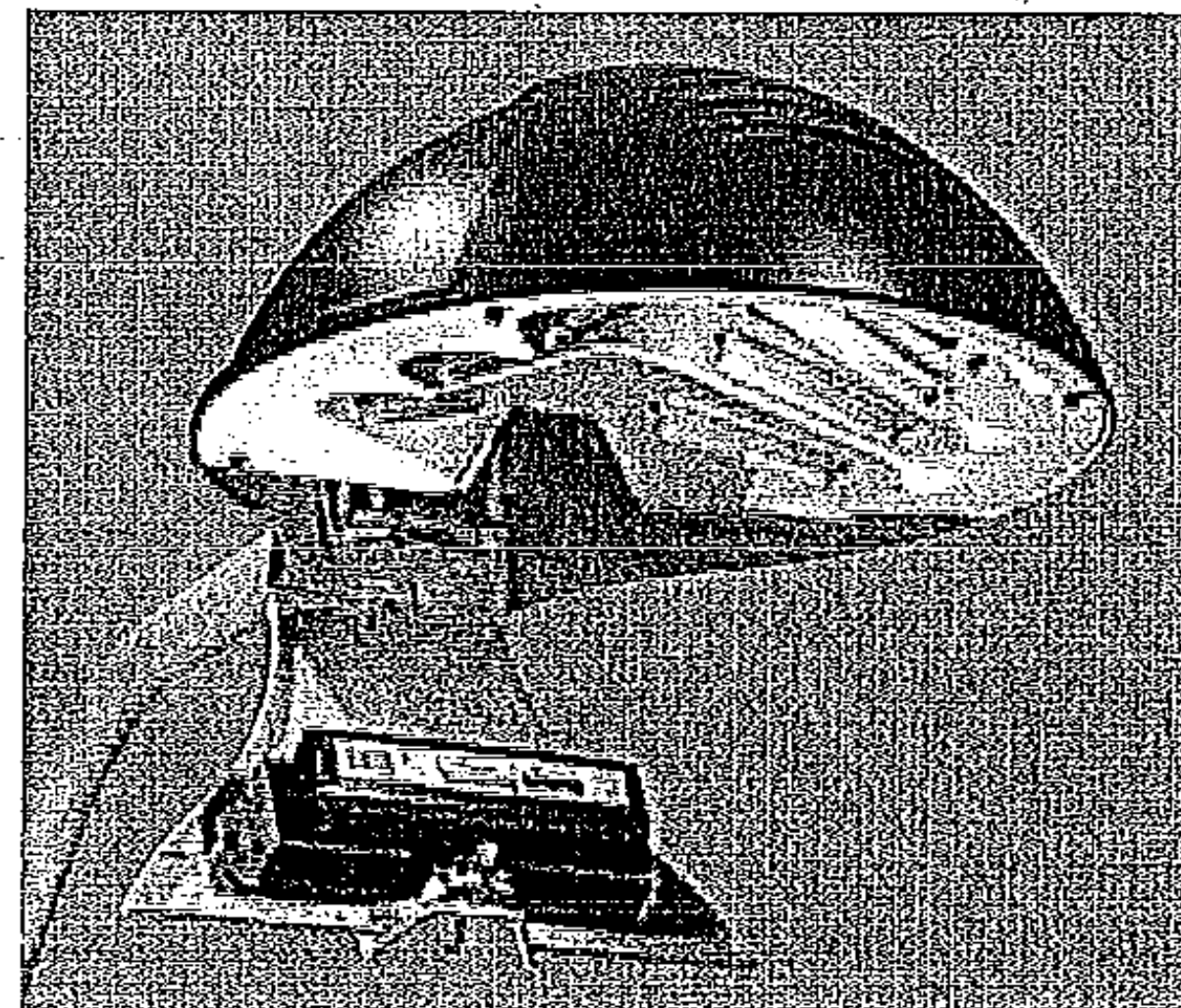


SURGE PROTECTION

Most electronic ballasts or drivers cannot survive long-term outdoor transient levels without added surge protection. State of the art Holophane-designed surge protection extends LEDgend luminaire life by protecting electronic devices from electrical disturbances, including nearby lightning strikes. This protection extends to all downstream electronics including LED drivers, photo controls, and relays. Instead of replacing an expensive light engine or driver, all that may be needed is a replacement surge device. As a result, LEDgend luminaires offer a higher level of protection and a more economical replacement solution if and when mother nature strikes.

DUAL DRIVER

A major benefit of LED technology is long life. The benefit to our customers is reduced maintenance costs. The optional dual driver system available with LEDgend luminaires increases driver life to approximately 200,000 hours (350mA only). The dual driver system incorporates an electronic transfer switch that senses current on the main driver and will switch to the auxiliary driver when a failure occurs. The auxiliary driver does not energize until the main driver fails and includes a built in time delay that eliminates nuisance switching due to power fluctuations. Luminaires incorporating the dual driver system eliminate a trip to the field to replace a failed driver, which reduces travel and labor expenses. Fewer inventoried replacement parts and less equipment rental and labor coordination translate into significant maintenance savings that free capital for today's more pressing city service demands.



Intelligent lighting systems utilizing Acuity Brands ROAM® technology provide system monitoring, control and dimming interface capability. Holophane LEDgend luminaires incorporate this type of intelligence and offer various alternatives to meet specific dimming needs. For more information on ROAM controls visit www.roamcontrols.com