



An American Success Story

Focusing 100% on LED technology, Leotek Electronics was founded in 1992 in the heart of Silicon Valley, California. Leotek was instrumental in revolutionizing the traffic signal business and saving cities millions of dollars in energy and maintenance costs while reducing the green house gases required for powering incandescent traffic signals. Today Leotek is the leading supplier of traffic signals in North America having shipped over 4 million units in the last decade.

Recognizing the benefits of LEDs over HID sources, in 2006 Leotek introduced their first LED street light. Through product innovation and superior service, today Leotek is now a leading supplier of LED street lights in the United States.

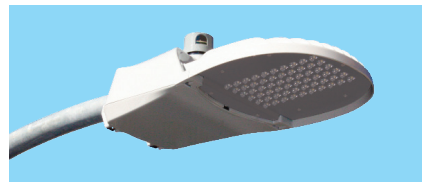
In 2007, Leotek was acquired by the Lite-On Corporation. This \$4 billion electronics company provides financial stability and the customer assurance that Leotek will be around for generations to honor any warranty claims and continue innovating exceptional LED products.



Leotek Electronics USA Corp. | Lite-On Building | Milpitas, CA

Broad Product Offering

The Green Cobra is offered in two housing sizes for replacing up to 400W HID street lights. Providing a choice of eight LED arrays, driven at three current levels, with three different lighting distributions assures that the appropriate light levels can be achieved for each design criteria, mounting height, road width and pole spacing.



GC1/GCA1 GreenCobra™ series utilize up to 80 LEDs for replacement of up to 250W HID luminaires.



GC2/GCA2 Green KingCobra™ series utilize up to 120 LEDs for replacement of up to 400W HID luminaires.



Micro-lens optical systems provide Type 2 or Type 3 lighting distributions that typically conform precisely to designated roadway.

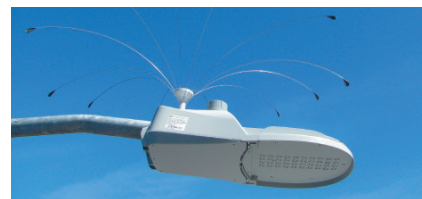
Useful Options and Accessories



Optional flush-mounted, house-side shield plate can be factory or field installed. The back light strips sharply cut light off at 1/2 mounting height behind luminaire.



Brackets are available for mounting luminaires on square poles, round poles, post tops and walls.



In coastal areas and other environments where birds gather, the optional bird spider can eliminate the problem of unsightly waste on the luminaire.



The LED Street Light With All The Features That Cities Want



Philadelphia, PA

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Information provided subject to change without notice.



The Leader in Electro-Optics Technology

a subsidiary company of LITEON®

Better Lighting Using Less Energy

Leotek Electronics USA presents the GreenCobra™ LED street light - enabling cities to achieve significant energy savings AND substantially improve the color and uniformity of their outdoor lighting.

The pictures below tell the story of the GreenCobra™. Traditional High Pressure Sodium “Cobra Head” style street lights (shown on the left) dump too much yellow light near the pole and spill excessive light behind the pole into neighbor’s yards and windows. This is wasted light and wasted energy. At the same time, there are very dark areas in between the poles that can create very hazardous conditions.

The picture on the right shows the same street illuminated with the Leotek LED GreenCobra™ units. Notice that the light is much more uniform without either the wasted light below the pole or the dark spots in between. Also, most people find the crisp “white light” produced by the LEDs to greatly improve visibility and make it easier to clearly identify colors and details.

Alameda, California



Before
70W HPS Drop Glass Cobra Heads
System Power - 95 Watts



After
40 LED Leotek GreenCobra™
System Power - 47 Watts

High performance LEDs and precision optical systems:

- Eliminate hazardous dark spots between poles
- Substantially reduce wasteful dumps of light directly below the street light.
- Shield unwanted light from trespassing into residential windows
- Create a highly uniform white light on the roadway enhancing night time visibility
- Minimize direct uplight from the luminaire AND the reflected light from the roadway which contributes to urban sky glow.

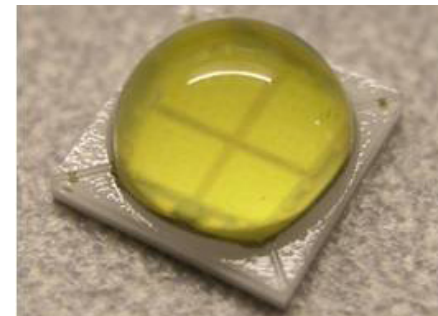
The Clean Daytime Form With Proven Market Acceptance

The least controversial form will be one that matches the existing roadway luminaire as closely as possible. As the street lights are gradually changed, during the day one neighborhood won't appear different or better than another. This timeless form is ubiquitous and literally disappears from the viewer's consciousness. Unseen and unnoticed, the classic cobra head form is the simple solution for an LED retrofit.



Lasting Construction Can Slash Maintenance Costs

The days of sending crews out in bucket trucks to change HID street light lamps, ballasts, and starters are over. The GreenCobra street lights carry a 5-year limited warranty that covers the LEDs, power supplies, finish and all other luminaire components. However, in all likelihood, these units will burn for well over a decade before any servicing is required.



Long Life LEDs are projected to last a minimum of 74,000 hours (19 years) before depreciating to 70% of initial light output.



Rugged power supplies are rated to last over 100,000 hours (24 years) under normal operating conditions.



Fade and abrasive resistant polyester powder coat finish protects die cast aluminum housing from salt and pollutants for many years.

Easy Installation and Tool-less Electrical Maintenance



Stainless steel latches allow entry to the luminaire for maintenance without tools.



Large wiring chamber, full size terminal block, and quick electrical disconnects assure that installation or servicing can be done in a few minutes.



In case of failure of an electrical component, the entire “power door” is easily removed and replaced. Also, in the future the luminaire can be easily upgraded for dimming and control functions.