



LOW BAYS



WE'VE GOT YOU COVERED.

Covered against insufficient heat sinks or tightly spaced LEDs that lead to premature degradation. With over a year in development, the Ontario has the largest convective surface area per LED in its class. Four times the closest competitor.



The housing design draws a plenum of fresh air from five sides. In addition to carrying heat from the LED array, the power supply sits on custom risers for six-sided convection. The result is the industry's lowest operating temperatures, a 67.1°C LED and 58.1°C power supply⁽¹⁾. At the same time, the solid top covers against the effects of dust and birds.



Type V freeform optic

Cireon's line of eight proprietary optics have all been designed to the unique output signature of the Philips Luxeon LED and with a specific application in mind. For example, the Type V optic delivers near perfect uniformity to a square of 34' sides when mounted at 8'. All optics and shields are made from UV-stabilized polycarbonates (rather than the cheaper acrylics) for greater resistance to salts, oils, and commonly present chemicals and amazing impact resistance.

When it comes to quality, all Cireon products employ the wafer-bonded Philips Luxeon LED for greater reliability than the wire bonded LEDs used by all other leading LED manufacturers. Matched with Philips Advance power supplies, that power down in the event of thermal overload and with 0-10V linear dimming standard, you can't find a higher quality engine.



Philips' Wafer-Bonded ES

Pair 0-10V linear dimming with optional integrated sensors (photocell, occupancy, or combination) for optimum energy efficiency and savings. Integrated means no additional installation or wiring is required. Specify your desired factory-set parameters and easily change them in the field using the pushbutton on the face of the sensor. Optional wired or wireless solutions providing desktop control, flexible sensor assignment and scheduling of individual or clustered luminaires with real-time reporting of power consumption.

(1) In situ test results as measured and reported by Intertek for DLC Listed Ontario 2-3-T5 low bay.





MID BAYS



THE RIGHT SOLUTION.

When neither a low bay or a high bay is right, eight proprietary optics, each designed specifically to the unique output signature of the Philips Luxeon LED, give you that hard-to-find option. We'll model your space and provide photometric renderings to show you the range of options, whether wide enough to cover adjacent areas, confined to a high lighting level, or something in between, you now have a choice. And a robust choice at that, as all Cireon optics and shields are made from UV-stabilized polycarbonates for optimum resistance to salts, oils, and other chemicals as well as impact.

A unique thermal design is suitable not just for suspension but for surface mounting as well. The most robust heat sink, over a year in development, and the largest LED footprint combine to provide four times the convective surface area per LED than the next closest competitor. The result is the longest lasting output and highest color retention in class.



All Cireon products use the wafer-bonded Philips Luxeon ES LED for greater reliability than the wire bonded LEDs used by all other leading LED manufacturers. Matched with Philips Advance power supplies, that power down in the event of thermal overload and bring 0-10V linear dimming standard, you can't find a more reliable light engine.

Maximize your energy efficiency and savings with optional integrated sensors (photocell, occupancy, or combination). Integrated so that no additional installation or wiring is required. Specify your desired parameters to be set at the factory and, should you change your mind, you can easily change the parameters in the field. Or opt for wired or wireless desktop control with flexible sensor assignment and scheduling of individual or clustered luminaires with real-time reporting of showing just how much energy you're saving.

Our team will help you configure your luminaires by color temperature, coverage, output level, sensors and controls to cut your operating expenses, make your lighting beautiful, and help our planet.





HIGH BAYS

In Solid State Lighting, there are only three aspects necessary to insure a long and beautiful product life; thermal management, optic performance, and quality componentry.

AGING BEAUTIFULLY.

Intelligent thermal design insures the heat-energy from each LED has a generous and short conductive path to convection. With over a year in development, the Cireon heat sink design provides just that, rendering more than four times the surface area per LED than the next closest competitor. Cool and long life go together.

Often overlooked, thermal management of the power supply is the single most important factor in its longevity. The thermal design of the Ontario high bay uses custom risers that, together with generous ventilation, lift the power supply to provide fresh air on all six sides.

“Beautiful” is another word for light quality. Light quality comes from level, color, and distribution. Cireon high bays deliver the level of fluorescent with less than half the energy and less than a quarter of the energy of HID. When it comes to color, traditional lighting can't compare to the broadband spectrum of the LED. For distribution, our proprietary multi-array optics utilize individual shapes that combine to render the trademark uniformity for which Cireon is known.

In addition to providing the highest output maintenance and lowest color shift of all LEDs on the market today, the Philips Luxeon uses patented wafer-bonding for significantly more surface contact than wire-bonding (the choice of all other leading LED manufacturers). Pairing that with Philips Advance power supplies, with smoothest 0-10V dimming and built-in thermal overload power down for protection, there simply isn't a more robust light engine in the industry.

Our integral sensors, with linear dimming to daylight, occupancy, or both, or our wired or wireless options for controlling individual luminaires right from your desktop, need no additional wiring.

Beauty in the delivered result. Thermal design and componentry to light years ahead.





AREA AND SITE SOLUTIONS



THE BEST OF BOTH WORLDS



All other outdoor LED relies upon one of two designs. One exposes the luminaire's heat sink from above, risking overheating due to debris (especially bird droppings) while the other completely encloses the heat sink in a housing. Both mean blocked thermal convection with higher LED temperatures that quickly degrade output and shorten product life.

Whether the traditional form of the Alta and Summit, or the solid state look of the Cascade, each provides a fresh air plenum that assures robust convection and heat sink protection. They are the industry's only designs to provide both.

Many products use die cast heat sinks. While this simplifies the design, die castings are inherently porous, trapping gases that have 10,000x higher thermal resistance than aluminum. As a result, die castings are not good at conducting heat, and that backs up to the LED. Cireon provides the density of the extrusion technology in every product we make.

Proprietary optics uniformly cover all traditional roadway and parking lot layouts while greatly improving the aesthetics and safety of your site. Combine your desired color temperature with four power levels to replace traditional HIDs from 150w to 1000W (with less than a quarter of the power consumption). With a multitude of pole and wall mounting options available, there's a Cireon product to suit virtually all of your outdoor lighting needs.

Beautify your site, save energy, and further cut your operating costs by eliminating the expense of the bucket truck.





CUSTOM SOLUTIONS

DIMMABLE UPLIGHT



BIG BOX RETAIL, PARKING GARAGE



**UNLIMITED COLORS,
BLENDED SPECTRUMS,
AND INFRARED**



**PORTABLE 12/110V.
MANUAL DIMMER,
DMX AND ETHERNET.
COLOR MIXING
AND GEL FRAME.**



**5KV POWERING OF
106W AREA LIGHT.
COMPLETELY
OFF-THE-GRID
OPERATION.**

IMAGINATION IS THE ONLY LIMITATION.



**CONVENTION CENTER
636W HIGH BAY WITH
BUILT-IN RELAY.**

**FLIP BREAKER ONCE
FOR LOW LEVEL,
OFF AND ON AGAIN
FOR FULL POWER.**

