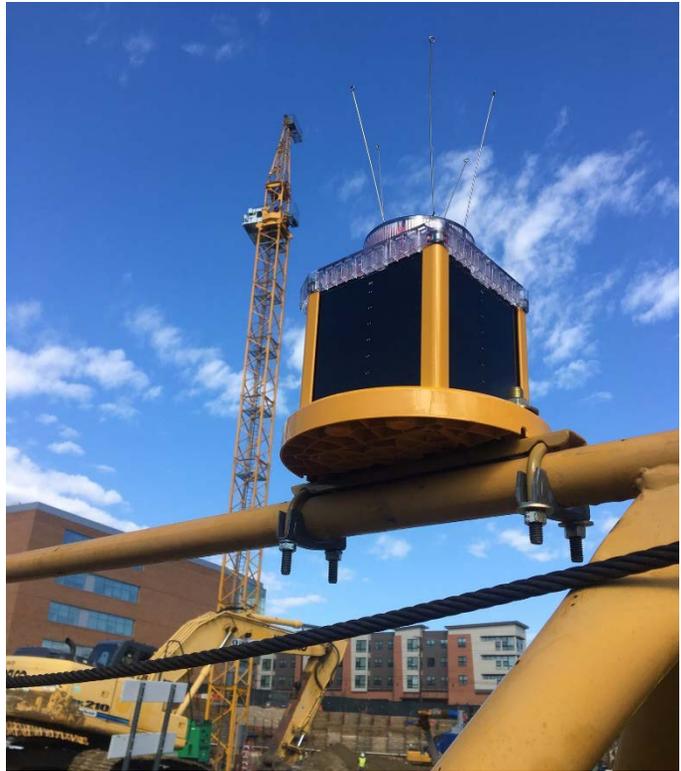


Location: US

Client: [United Crane and Rigging](#)



OL800 Compact
Solar Obstruction Light



Overview: Established in Maryland in the 1970s, United Crane and Rigging rents and sells crane and rigging equipment to clients across the northeast United States. As a leader in the industry that prides itself on quality customer service and attention to detail, the company is always looking for ways to provide better products for its clients. It sought new solutions for obstruction lighting, a key aspect of the business that ensures equipment is safely and properly marked for aircraft.

Requirements: Joe Mirabile, lead tower crane technician for United Crane and Rigging, explains the frustrations of using AC or battery-powered lights on their equipment. “One bulb change can cost several hundred dollars by the time a technician travels to the site, climbs the crane, and changes the bulb. Hard-wired lights take up valuable time to set up,” he says. “I needed something easier for our team to install that would work for any application.”

It was also important to find lights that would work on a job where the crane is running on a generator. “On these jobs the generator can only run during the day,” Mirabile says. “We found ourselves in a situation where we had to run power to the base of the crane and plug in the hardwired lights at night, or else we were not in compliance.”



“These lights have solved all my issues. This is the last obstruction light you’ll ever need—for an affordable price, at that.”

– Joe Mirabile,
Lead Tower Crane
Technician, United
Crane and Rigging

In addition, the lights would need to meet FAA compliance, with at least 32.5 candela output. Mirabile also wanted lights that steady-burn—but also have the option to be synchronized to flash simultaneously.

Our Solution: Carmanah’s OL800 offered the FAA compliance Mirabile and his team required, as well as the GPS synchronization he needed for simultaneous flashing. These lights also offer optional remote monitoring, a new feature Carmanah provides for secure data transmission via GSM and Globalstar satellite networks. Although Mirabile had tried another solar lighting company previously, he chose Carmanah because of the rugged design and out-of-the-box setup. “I provided the geographic location and application and the lights came programmed, ready to install,” he explains. “And as a bonus, the lights offered a much longer battery autonomy than I expected.”

Outcome: “No external wiring is a game changer,” Mirabile says. “This saves approximately 2 hours on installation. It is also safer to install because the lights can be installed on the ground prior to crane assembly.”

Mirabile also says the service he received from Carmanah was superior. “As United Crane and Rigging is a company that also feels strongly about providing great service, I especially appreciated this,” he says. The company has ordered five sets of four lights for its fleet. With a single type of light that meets all applications they need, there’s no more worry about whether the right light has been used. “I’ve already recommended the OL800 to other crane companies,” Mirabile says.