

Sleek SenScape SPG18 Luminaires Give Omaha Parking Structures Uniformity, Safety and Savings



Project: City of Omaha Parking Garages
Location: Omaha, Nebraska
Engineering: Engineering Technologies, Inc.

"...Due to the performance of these lights I would choose them again."

– Hannah R. Adeponu, Assistant Manager of Facility Operations, City of Omaha



Project Summary: The City of Omaha upgraded lighting in city-owned parking facilities from HID to LED, taking advantage of energy savings and a rebate from the Omaha Public Power District.

Challenge: The design required a one-for-one replacement in the existing fixture location.

Solution: SenScape™ SPG18 luminaires with TekLink™ TL50 controls.

Sleek, Modern SenScape SPG18 Shines in Head-to-Head Comparison with Competitors



From the corporate headquarters of the Union Pacific Railroad, to the annual shareholder's meeting of Berkshire Hathaway, to the College World Series®, Omaha, Nebraska has plenty of things happening downtown. Tourism to Nebraska's largest city tops \$1 billion dollars and current/anticipated downtown business growth requires that the city maintain and modernize its public facilities, including parking structures.

The city specifically wished to convert its parking structure lighting in order to conserve energy and reduce electricity costs. Heidi Li, PE, LC, an architectural engineer with Engineering Technologies Inc., created a lighting mock-up comparing Kenall's SenScape SPG18 with two competitor fixtures. According to Li, she and client Hannah Adeponu, Assistant Manager of Facility Operations for the City of Omaha, appreciated the "sleek, modern design, complete with integral occupancy and daylighting controls". The SenScape SPG18 luminaires are paired with Kenall's TekLink™ TL50 controls, which help save energy by allowing the lighting to dim or turn off when no one is in the garage. The sensor is virtually undetectable, as it is embedded behind the lens.

One important condition of the project was that the new SPG18 luminaires would have to replace the previous lighting fixtures one-for-one in the same position. "Kenall SenScape

fixtures had lumen packages that met all of the illuminance requirements without having to install additional fixtures, making a one-for-one replacement possible," said Li. She added that they had another challenge: "finding fixtures that were vandal-resistant and aesthetically pleasing, as well as meeting uniformity and light level requirements for garage safety and security – particularly at the entries." continued Li.

In all, the City of Omaha replaced HID lighting in eight public parking structures with the sealed, IP-65 rated, vandal-resistant luminaires. The most significant challenge turned out not to be related to lighting at all – but rather, completing the project despite historic flooding from the Missouri, Platte and Elkhorn Rivers. Contractors were pulled away from the relighting project in order to perform flood repair and remediation in the larger community as the Missouri River, which borders downtown Omaha, crested 5 feet above flood stage on St. Patrick's Day, (3/17/29).

Adeponu states that "We have been very pleased with the quality of the lighting... due to the performance of these lights, I would choose them again." They have achieved the goal of reducing utility costs and the city received approximately \$23,300 in rebates from the Omaha Public Power District.

SenScape SPG18 Features:

- 18" diameter; 4.5" depth
- Delivered lumen range: 3,455 – 11,163 lm
- Input power range: 35 – 103W
- 81–132 lm/W
- Standard & enhanced uplight and 100% downlight versions available
- Embedded microwave sensor with an industry exclusive Peace of Mind Guarantee®
- Optical patterns designed specifically for covered parking, canopy and low bay applications

Benefits to the City of Omaha

- Reduced energy consumption and costs
- Improved efficiency vs. existing HID lamps
- Improved aesthetics
- Reduced maintenance costs

For more information, please visit us on the web at www.kenall.com



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