

## CABQ PARKING GARAGES MAXIMIZE SAFETY AND MINIMIZE ECOLOGICAL IMPACT WITH NORIBACHI LED LIGHTING

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Noribachi, a leader in informed grid interaction and smart energy products, retrofitted two of downtown Albuquerque's busiest parking garages with over 600 of Noribachi's LED lights. Costly and inefficient metal halide lights were replaced with LED retrofit bulbs custom built to fit perfectly in the original fixtures, eliminating the waste and expense of completely new luminaires. Fluorescent lighting was upgraded with Noribachi's Viga LED trough fixtures, for a virtually maintenance free and non-toxic solution.

The City of Albuquerque's Acropolis garage serves as the cornerstone for an upscale and rapidly developing array of luxury condos and retail spaces. Noribachi LED lights are the perfect lighting complement to the aura of vibrancy and sustainability that the mixed-use developments in downtown cultivate.

Noribachi retrofitted 275 fixtures at Acropolis. 60W Jemez LED bulbs replaced existing 175W lights along with additional Estancia, Zuni, and Santa Rosa bulbs and new Viga LED trough fixtures. The new LED bulbs emit not only a cleaner and more authentic daylight-true light, but also one that has less trespass than the previous lights, ensuring that only the garage is illuminated while the surrounding condos avoid the pollution of unwanted brightness.

Acropolis' Viga LED trough fixtures were upgraded with Noribachi's groundbreaking power control system. Photo sensors inside each individual light measure the luminosity of the outside environment, allowing the lights to intelligently turn on as the sun wanes. In addition to light sensors the Viga fixtures also employ a motion controlled dimming capability. At night the lights remain at the minimum possible output until a vehicle or pedestrian enters a specified radius around the light, making sure that the supply of power to the fixture is appropriate to the level of activity in the garage. These features allow the Vigas to maximize energy conservation and showcase the direction energy efficient lighting is taking: uniting computerization and illumination.

Beyond the improvement in illumination the new LED bulbs save CABQ 51% in energy costs as well as produce nearly 4 times the previous light output. "It is always great to partner with CABQ. We enjoy working to improve the city we're based in, it's a good reflection on us all," says Kimble McCraw, VP of Products and Services at Noribachi.

The 4th & Lead Garage, situated in the heart of downtown, also benefited from a Noribachi LED solution. New Viga trough lights, also including photo-motion power control, were selected in ranges from 24W to 72W to

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replace the general interior illumination, while 72W La Luz and 60W Jemez retrofit LED bulbs provided the additional wall pack and roof lighting.

The benefits extend beyond the savings, including superior light quality. Once home to harsh, reflected yellow lighting that made driving at night difficult, the garage's new LED lights keep night vision intact with directional lighting designed to reduce driver's visual fatigue. The light's directional control also keeps light on the ground, instead of bleeding into the surrounding environment, making the area that needs to be illuminated brighter and safer for commuters entering and exiting vehicles.

With Noribachi's LED lighting, the City of Albuquerque is not only making these parking garages safer in and out of the car, but is also saving money on electrical costs, and helping build a technologically advanced, more environmentally attuned metropolitan area. By reducing energy needs and minimizing light pollution, Noribachi's LED solutions are an essential part of moving civil infrastructure into the twenty-first century.

#### ABOUT NORIBACHI:

Noribachi creates smart energy products, challenging rote relationships with energy and design.

Noribachi's product suite includes LED lighting, consumer electronics, solar devices, and engineering and design services.

These products integrate proprietary energy optimization technologies with renewable power capabilities and an uncompromising devotion to aesthetics.

With over 800 installations – including world class hotels and luxury automobile dealerships – representing a diverse variety of markets across the US and internationally, Noribachi is a leader in integrating informed grid interaction with distinctive and human-centered design.

Noribachi is a privately held company incorporated in the State of Delaware with offices in Los Angeles, CA; Albuquerque, NM and Shanghai, China. For more information, please visit [noribachi.com](http://noribachi.com)

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