



P.O. BOX 990
 BRADENTON, FL 34206-0990
 FON: (941) 755-2111
 WEB: <http://www.magnaray.com>

2242 WHITFIELD PARK LOOP
 SARASOTA, FL 34243
 FAX (941) 751-5483
sales@magnaray.com

Case Study – State of Arizona Parking Garage Retrofit

ENERGY SAVINGS 70% MAINTENANCE SAVINGS 50%

The State of Arizona’s Property Management Company, Opus West wanted to solve a maintenance and lighting problem for some of their parking garages, and called Phoenix lighting distributor **Hart Lighting** for assistance. Mike Donahue, Hart’s President contacted Magnaray®’s local sales agent, **Beyond the Horizon** for a solution.

Magnaray® recommended using their 106 watt parking garage unit, that comprises two 50 watt, twin T5 lamp housings with one remote ballast (see channel between housings in photos) to replace 2-175 watt metal halide units in each 6 car parking bay. This system provides superior lighting, with less glare, no color shift, and “instant-on” capability, which can be a safety factor in power interruptions/failures. This also can allow for motion sensing to achieve greater savings from better controllability.



Twin Housing Unit-1 ballast



Lights Aimed at Parking Spaces



High Quality of Light Where Needed

The improved light quality makes users “feel” more safe and secure, says Phil Ellis, Senior Property Manager for Opus West Management, Inc.

The “instant-on” feature is really great says Mark Stromgren, Chief Engineer for Opus, but we mainly like the better light quality, with a 70% savings in energy, and 50% savings in maintenance, to pay for the conversion in less than 2 years!

Saving Energy and the Environment Since 1964

"Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many."

Case Study

State of Arizona Parking Garages

ENERGY SAVINGS 70% MAINTENANCE SAVINGS 50%

After the installation took place, Opus said that the State of Arizona was as extremely happy as they were with the retrofit (the metal halide system was less than two years old), and that the Magnaray® parking garage lighting system should be used on “all future parking structures”.

Even with first floor mounting heights of up to 18’, the Magnaray® system provides “more” light for the area than metal halides of much higher wattages. Note minimal shadowing in photos below.



Mark Stromgren and Phil Ellis – noting colors



Mark, Katy (BTH Rep), and Phil – On phone.

The lighting system (housings) are adjustable so proper distribution and aiming can be accomplished for any mounting height – from 7’ 6” to ~20’! No other parking garage system offers that.

To see more Case Studies for our products, visit us at

www.magnaray.com

Saving Energy and the Environment Since 1964

"Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many."