

JEC Energy Savings Installs Induction Lighting at Children's Medical Center of Dallas

Greater efficiency, better lighting and greater maintenance benefits.

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JEC Energy Savings, an innovative lighting design company based in Richardson, Texas, has improved the lighting quality and performance of the parking garages at Children's Medical Center of Dallas while at the same time providing dramatic energy savings for the hospital.

JEC recently installed induction lighting throughout the parking garages, replacing nearly 2,000 garage fixtures containing 10,000 hour metal halide bulbs with more efficient 100,000-hour JEC induction fluorescent bulbs; which could represent approximately 11 years of maintenance free operation.

"In a comparison done by Children's Medical Center, induction lighting was chosen over LED lighting, both for its cost and for its performance," said Carlos Ochoa, President and Chief Technology Officer of JEC Energy Savings. "The courtesy patrol also found it preferable because of the quality of light as well as the reduced glare."

Induction lighting technology is gaining popularity, due not only to its longer life span but also to its environmentally friendly attributes which include less energy usage as well as less mercury usage per hour of operation.

"There are many aspects of induction lighting that make it more appealing to building owners," said Mr. Ochoa, "Because of its long life and robust construction – and it is ideal for garage decks or any exterior lighting applications, where there tends to be a lot of vibration." In addition, the lighting is white and does not color shift over its lifetime, is instant on and isn't plagued by the "buzzing" sound that accompanies traditional High Intensity Discharge (HID) lighting systems.

The Children's Medical Center project will reduce energy usage in their parking garages by nearly 50 percent, providing a savings in energy usage and maintenance of almost \$320,000 per year. The installation also qualified the hospital for a rebate of more than \$275,000 from ONCOR which was procured by JEC Energy Savings.

"Induction lighting is one of the best choices out there for building owners today," Ochoa said. "It's good for retail establishments because of their high ceilings; it's good for warehouses and street lights. You'll find it in most TX-DOT underpasses and tunnels all over Texas; it's a good choice for any area where maintenance is difficult – and therefore expensive – to replace a light bulb."

ABOUT JEC ENERGY SAVINGS

JEC Energy Savings is a Richardson, Texas-based company that designs and markets innovative fluorescent, induction fluorescent and LED lighting systems that outperform in energy and maintenance efficiency existing fluorescent and non-fluorescent systems. JECES performs comprehensive and detailed reports including photometric, materials, economics and environmental reports when reviewing assets. For more information, visit their website at <http://www.jeces1.com/>



JEC Energy Savings Children's Hospital Dallas, replaced 1820 Garage Fixtures
In the Green, Blue and Purple Garages
100,000 Hour Life **JEC** Induction Fluorescent vs. 10,000 Hour Life Metal Halide

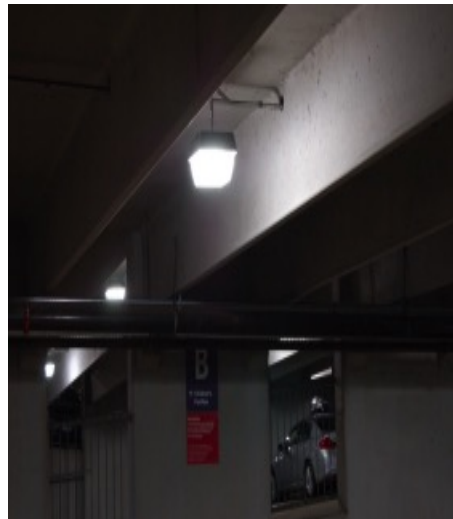
175 Watt Metal Halide Mounted on Ceiling, Poor Light
Dispersion, Each Fixture Draws 210 Watts

JEC 100 WATT Induction Fluorescent Garage fixture
Each Fixture Draws 105 Watts

BEFORE



AFTER



Energy savings of \$320,000 per year for 11.5 years (24/7 - 100,000 hours of operation) .
1,690,000 Kwh and 1,100 tons CO2 saved/year.
ENERGY SAVINGS 50%