NEPTUN
LIGHT

Parking Garage Lighting Retrofit

Case Study: Reducing Energy & Maintenance Costs

Edwards Hospital located in downtown Naperville, IL has recently retrofitted one of their parking garages to more energy efficient Neptun Induction lighting systems. With this conversion to induction lighting, the hospital was able to reduce their wattage in half while increasing their lighting levels.

Neptun induction lighting systems have a rated life of 100,000 hrs., and will compare with a typical metal halide lighting system that has a rated life around 18,000 hrs. Not only will the hospital see a great reduction in their energy consumption, but labor and maintenance costs will be reduced due to the long life of the induction bulbs. While running the lights 24/7, Neptun induction fixtures will last around 10 - 12 years maintenance free. Over the life of these fixtures, the hospital will see energy savings of around $694,000. Maintenance and material savings will be an estimated $200,000.

Fixture Type	Wattage	Actual Wattage	Qty.	Annual kWh	Annual Energy Costs
Metal Halide - Canopy	175	205	734	888,921	$118,631
Induction - Canopy	100	105	734	455,301	$60,762

Annual Energy Savings = **$57,869**

Kilowatt Rate = $ 0.09
Fixtures Running = 8,760 hrs. per year

12000 Series