



CASE STUDY

RGB Stadium Light Generates Significant Energy Savings and Custom Lighting

OBJECTIVE

This Chicagoland hotel has upgraded their lighting which was illuminating their main tower. Our objective was to save energy resources, reduce maintenance, and operating costs while providing the guests with a unique experience during their stay.

SOLUTION

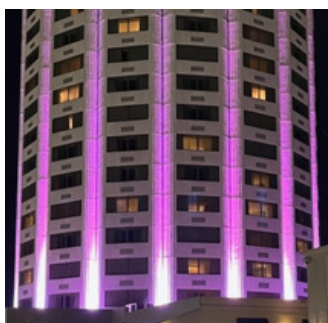
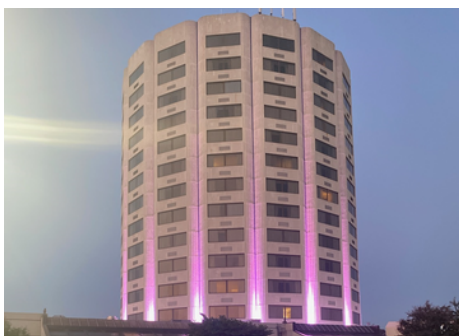
Emium Lighting conducted several site surveys in order to determine the best replacement choices to optimize the customer's savings while honoring the customer's end goal. Emium introduced a RGB stadium light with DMX control capabilities to allow the staff to paint their building with endless color combinations easily.

PROJECT PHOTOS

Before:



After:



SAVINGS OVERVIEW

Estimated Annual Operating Cost Savings:

\$6,995.07

Return on Investment:

8 Months

Estimated Annual Energy Savings:

47,654 kWh

ENVIROMENTAL IMPACT

47,654 kWh savings is equivalent to 74,454 pounds of Carbon Dioxide (CO2)

This is equivalent to carbon sequestered by:

- 558 tree seedlings grown for 10 years
- 40.3 acres of U.S. forests in one year

This is equivalent to CO2 emissions from:

- 4,108,061 smartphones charged
- 37,829 pounds of coal burned

This is equivalent to greenhouse gas emissions avoided by:

- 1,280 incandescent lamps switched to LEDs
- 11.7 tons of waste recycled instead of landfilled

This is equivalent to greenhouse gas emissions from:

86,575 miles driven by an average gasoline-powered passenger vehicle.

Contact info@emium.com or your local sales rep to get started on your next project today!

