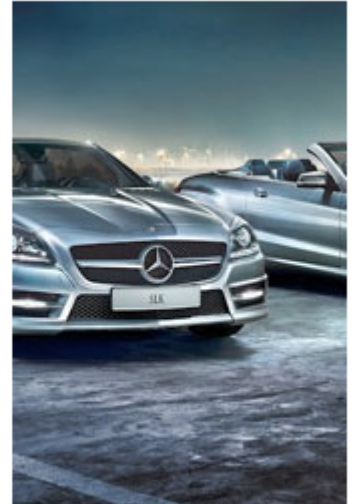


## Luxury Car Dealership Lighting Energy Savings

### Mercedes Benz / Sovereign Motor Cars LTD.

1810 Shore Parkway  
Brooklyn NY 11214



#### Project Description

Sovereign Motor Cars Ltd. is an exclusive Mercedes-Benz dealer, for the past 35 years. In addition to new cars, Sovereign Motors has a broad array of certified pre-owned vehicles as well as a large service and parts department to meet all customers' needs. Green Light redesigned both service shops, and installed T8 High bay fixtures to concentrate the light directly over the work bays, thus eliminating wasteful light. We changed the existing metal halide recessed fixtures in the current showroom to specialty recessed energy efficient T8 fixtures to meet the CRI necessary for a Mercedes Benz showroom. Additionally, we retrofitted all T12 lamps running on magnetic ballasts to T8's running on electronic ballasts throughout the facility. The rebate combined with the energy savings enabled Sovereign Motor Cars to realize return on investment in less than 2 years.

#### Results

Annual Utility Bill Savings	<b>\$21,487.82</b>
Project Rebate	<b>\$18,580.16</b>
Annual Energy Savings [kWh]	<b>119,376.75</b>
Annual CO2 Emissions Removed in Terms of Equivalent Trees Planted	<b>2,000</b>
Annual CO2 Emissions Removed in Terms of Cars Removed from the Road	<b>16.4</b>
Annual CO2 Emissions Removed in Terms of Homes Removed from the Grid	<b>11.7</b>