



CASE STUDY

Opportunity

USS Alabama Battleship committee looks to re-light the “Mighty A” for the 50th anniversary celebration of the opening of USS ALABAMA (BB-60) Battleship Memorial Park in Mobile Alabama.

The facility had experienced poor metal halide lighting results with high ongoing maintenance costs. The committee is looking for LED lighting replacements to not only address the maintenance and energy costs, but to primarily provide both better quantity and quality lighting, with better uniformity.

Challenge

It is a challenge to light this magnificent battle ship. She measures 680 feet from stem to stern, half as long as the Empire State Building.

The existing lighting infra-structure and location needed to remain intact, from a row of up-lights that shine on the ship from an adjacent dock. Even though high lumen output is the major concern to reach the ship, the flexibility of beam angles that LED fixtures are able to provide is equally important to make sure the light will shine on the specific areas, especially the tall super structure.

The ocean front environment is another major concern for this application that has high risk of salt corrosion, water, dust, vibration and at multiple times per year hurricane force winds.

Solution & Benefits

LEDrite FSR300 Marine grade luminaires offer unprecedented quality lighting to make the USS Alabama looking, as great as it’s proud heritage deserves.

A total of 22 - 285 Watt, 33,000 Lumen output Marine grade luminaires were installed. These completely sealed (IP-68 rated) fixtures are designed for this type of environment. This is a one to one replacement of the existing 400 Watt metal halide fixtures. The remarkable increase in overall lighting makes the ship’s nighttime appearance that much more impressive. Additionally, the Park is now experiencing a 37% energy saving and the elimination of the maintenance nightmare that existed with the traditional lights, ballasts and fixtures. All while providing a nighttime result that can be seen for miles. The area and park visitors can now enjoy the “Mighty” view of the “Mighty A”. May The USS Alabama continue to make us all proud for another 50 years.