



PROJECT PROFILE

PRODUCT

RAB
WPLED104W Wall Pack

10 YEAR SAVINGS

\$198,079

RETURN ON INVESTMENT

1.8 Years

MATERIAL & LABOR COST

\$37,181

REBATES/INCENTIVES

\$4,485

NET PROJECT COST

\$32,696

The North Myrtle Beach Aquatic Center LED upgrade was completed in January 2014. The Aquatic Center is an 8 year old building with the original lighting from the building construction.

NORTH MYRTLE BEACH AQUATIC CENTER

NORTH MYRTLE BEACH, SC

The existing 52 fixtures were a 400 watt Metal Halide. The annual KWH usage that the Metal Halide fixtures consumed was over 120,000. Shealy was able to project a drastically lower annual KWH usage at just under 30,000. This reduction will take their annual energy cost from \$17,000 to \$4,000.

THE SOLUTION

With the end goal of reducing maintenance, Shealy Energy was able to help North Myrtle Beach Aquatic Center find a solution to the following issues:

- Maintenance
- Short Lamp Life
- Inaccessible Fixtures
- High Energy Bills
- Lower Operating Costs

The location of the lamps over the pool area, combined with a very narrow pool deck made it extremely difficult to maintain the lighting. This issue was resolved with the installation of the LEDs, as the life was extended to 100,000 hours vs. the 20,000 hours of the previous fixtures. The time spent replacing the old lamps was very costly and time consuming.

The solution to the above issues was the new RAB LED fixture. The new LED has a 5 year warranty and is rated for 100,000 hours. Another benefit of the switch was the crisper and cleaner light provided by the new fixtures. The wattage reduction from the metal halide to LED was nearly 75% which helped greatly reduce the utility bill. North Myrtle Beach was able to obtain a rebate from their utility provider, Santee Cooper, to help cover a portion of the cost of the lighting project.

THE RESULT

The facility was given a dramatic makeover that was very evident to both the staff and members at the aquatic center. The LED lights have allowed for better visibility, significantly less maintenance, and lower utility cost. This project went so well there are plans to continue updating other areas of the facility, including the fitness room and gym areas. This has inspired the City of North Myrtle Beach to continue the updates in other buildings.



**LED IS THE WAY TO GO.
NO OTHER TECHNOLOGY
CAN HIT THE MARK.**