

NXT™ SERIES: ROADWAY CASE STUDY

TRIMINGHAM ROUNDABOUT, BERMUDA



56%
ENERGY
SAVINGS



Bermuda is an overseas territory of the United Kingdom, located in the North Atlantic Ocean. A popular tourist destination with a strong financial services industry, Bermuda is home to approximately 65,000 residents.

In 2014, NXT-S fixtures equipped with our Lumen IQ™ wireless monitoring and control system replaced an aging high-pressure sodium (HPS) infrastructure installed along Trimingham Road, from Crow Lane roundabout to Trimingham Hill roundabout (just outside of Hamilton, Bermuda). A total of 14 NXT luminaires consuming 82 watts replaced 150 watt HPS luminaires (which consumed approximately 180 watts).

This pilot project was implemented in cooperation with the Government of Bermuda, and in partnership with the Bermuda Electric Light Company Limited (BELCO), and yielded energy savings of 56% versus the incumbent technology.

LOCATION:

Trimingham Roundabout, Bermuda

CLIENT:

Government of Bermuda in partnership with BELCO

PROJECT SCOPE:

Pilot project of 14 NXT series luminaires

PRODUCT:

NXT-S luminaires equipped with Lumen IQ™

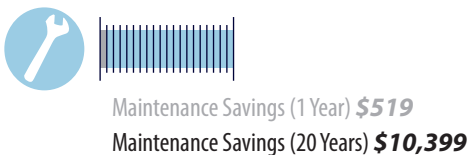
NXT™ SERIES vs. HIGH PRESSURE SODIUM

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LUMEN IQ BENEFITS:

- Dimming capabilities for additional energy savings.
- Tracks and reports energy savings.
- Tracks and reports luminaire outages.
- Provides a burn hour report.
- Provides constant lumen output.
- Provides detailed maintenance emails.
- Reduces luminaire off time.



NXT-S Luminaire

* Asset Payback is based on capital payback of replacing 150W high pressure sodium luminaires. Re-lamp cost of \$150 per luminaire. Re-lamp schedule is 4 years. Energy cost \$0.505 per kWh. Annual energy cost increase rate (multiplier) is 3%.