



"The decision to install LED streetlights was made to primarily reduce operating and maintenance costs but it also improved quality of light."

– Ron Bursek,
Director of Public Works
for the City of Kenosha



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LEDway streetlight with 60 LEDs, Type III medium optics, 525mA, Installed on 39th Avenue, Color Temperature: 6000K



LEDway streetlight with 80 LEDs, Type III medium optics, 525mA, Installed on 75th Street, Color Temperature: 6000K

LEDway streetlights replaced 250-watt high-pressure sodium streetlights.

Benefits:

- Kenosha anticipates an estimated 40% reduction in energy usage and a significant reduction in maintenance costs compared to the HPS system that was replaced.
- LEDway streetlights are mounted on existing poles at a mounting height of 35 ft. with a footcandle average of 0.77 and minimum of 0.4 in accordance with IES RP-8 standards.
- BetaLED products provide dramatically improved uniformity eliminating dark spots between fixtures creating a safer environment for vehicle and pedestrian traffic.
- Patent-pending NanoOptic® refractors within each LEDway streetlight distribute light precisely to deliver more lumens into target areas improving visibility and reducing light pollution.
- Significant environmental advantages include a reduction in CO2 greenhouse gas emissions, no mercury or other heavy metals used, 99% recyclable, and International Dark Sky Association (IDA) approval.



The Difference You Can See

Sustainable Solution Helps the City of Kenosha Cut Costs

LED streetlights help to lower the City's operating budget and improve quality of light

Located on the shores of Lake Michigan, the City of Kenosha, like many municipalities across the country, is feeling the effects of their shrinking budget. Tasked by its constituents to do more with less, the city researched different ways to help reduce operating costs and make a positive impact within the community.

The research identified that replacing traditional high-pressure sodium (HPS) streetlamps with streetlights using LED technology was a scalable project with big benefits.

"The decision to install LED streetlights was made to primarily reduce operating and maintenance costs but it also improved quality of light," said Ron Bursek, Director of Public Works for the City of Kenosha.

In addition to reduced maintenance costs, the LED streetlights are also expected to deliver an energy savings of 40% annually and provide improved visibility and uniformity compared to HPS streetlights. The city has started to convert streetlights throughout neighborhoods such as 39th Avenue and 75th Street and plans to install LED streetlights for all new roadway projects.

While a long-term study is underway to qualify the benefits of LED streetlights, feedback from residents have been positive thus far. "Residents believe LED streetlights are environmentally responsible and part of a bigger environmental initiative," said Bursek.

The decision to upgrade streetlights to LED came before the announcement that the American Reinvestment and Recovery Act would distribute funds to communities with shovel-ready projects. The City of Kenosha was early in recognizing the potential for new technology such as LED streetlights, to reduce cost and enhance the environment of those within the community.

City of Kenosha, Wisconsin



39th Avenue, Kenosha, Wisconsin