



"In order to meet project objectives, we needed an economically viable and environmentally sustainable LED lighting solution."

*– Tim Lenz,
PEC Principle and
Project Manager*



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LEDway streetlights with 60 LEDs, Type II medium and Type III medium optics, 525mA, Color Temperature: 6000K



THE EDGE area luminaires with 80 LEDs, Type II medium and Type III medium optics, 350mA, Color Temperature: 6000K

BetaLED products replaced a mix of 175-watt mercury vapor and 250-watt high-pressure sodium fixtures

Benefits:

- Approximately 70 percent savings in energy and maintenance costs compared to HPS fixtures replaced. BetaLED feature an extended life rating without the need for maintenance.
- BetaLED products provide dramatically improved uniformity eliminating dark spots between fixtures creating a safer environment for vehicle and pedestrian traffic.
- Patented NanoOptic® product technology within each BetaLED fixture distribute light precisely to deliver more lumens into target areas improving visibility and reducing light pollution.
- Significant environmental advantages include 38 percent reduction in CO2 greenhouse gas emissions, no mercury or other heavy metals, 99 percent recyclable, Dark Sky compliant.



BetaLED Luminaires Included in Rebuilding of Greensburg, Kansas

First city in the U.S. to install all LED streetlights

On May 4, 2007, tragedy struck Greensburg, Kan., when an EF-5 tornado 1.5 miles wide completely devastated the community of 1,389. With less than 10 percent of all buildings standing, the City was declared a National Disaster area.

Several months after the devastation, the community regrouped and developed a plan to rebuild their community. Their goal was to not only rebuild, it was to develop an economic and environmentally sustainable community for today and future generations.

As part of the reconstruction plan, city planners agreed that using energy-efficient LED lighting for streets and outdoor areas met community goals. Funded by outside grant money, the project replaced all 303 HPS streetlights with a combination of THE EDGE area lights and LEDway streetlights.

Professional Engineering Consultants (PEC), headquartered in Wichita, Kan., designed the streetlighting for the City. "In order to meet project objectives, we needed an economically viable and environmentally sustainable LED lighting solution," said Tim Lenz, PEC Principle and Project Manager for the Greensburg project. "BetaLED delivered both with a well-built product, precise distribution patterns and proper heat management. We're very pleased with the results."

Officials estimate LEDs will save the City approximately 70 percent in energy and maintenance costs and about 40 tons of CO2 (38 percent) annually compared to the traditional lamps they replaced.

"Residents have all positive things to say about the BetaLED fixtures," said Kim Alderfer, Greensburg Assistant City Administrator/Recovery Coordinator. "The quality of light on the roadways is greatly improved and people really like the sleek look of the fixtures."

Out of destruction came a vision to invest in the future, setting the standards that forever change the way cities and communities work together.

City of Greensburg, Kansas

