

Light by LUXEON Newsletter - October 2007



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LUXEON Rebel Lights Lansing

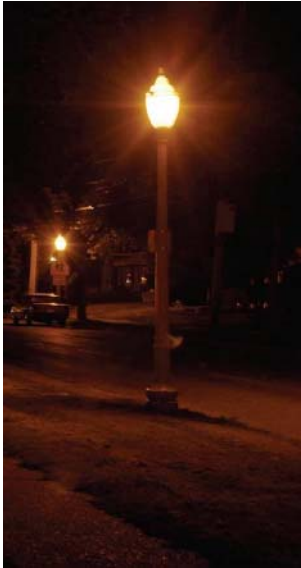
While many cities, states, and countries are studying how best to use LEDs in street lamps, [Midwest Circuits](#) is already testing LUXEON Rebel-based streetlights in Lansing, Michigan, the state capital.

Raj Patel, CEO at Midwest Circuits in Ferndale, Michigan, got an initial go-ahead from the Lansing Board of Water and Light in the spring of 2007 to build a LED prototype in response to the Board's street lighting RFP. Midwest Circuits manufactures in-house a proprietary metal core circuit board technology that optimizes the LED thermal environment in a uniform and efficient manner. They did a thorough survey of available LEDs, and finally chose the new [LUXEON Rebel](#) with the support of [Future Lighting Solutions](#).



The release of min 90 and min 100 Luxeon Rebel parts in June made Midwest Circuits' efforts that much simpler. Working with Future Lighting Solutions, they built two varieties of Type 5 light engines to replace legacy sodium vapor lamps - a

standard cobra head, and a historic-styled decorative lamppost. The customer compared the submissions from multiple vendors and chose Midwest Circuits based on light output, distribution pattern, and the beautiful look of the lamp itself. The change from yellow sodium to white LEDs is striking -- color and clarity are much improved (the grass is actually green!), and studies show that people feel safer in white light.



The new Midwest Circuits streetlamps remain in place as part of the Lansing trial, and the company is aggressively pursuing further streetlight engine development and customer opportunities. As they continue to evolve their design, Midwest has continued to be pleased with their decision to work with Future Lighting Solutions and LUXEON Rebel.

