

**Project Spotlight**

# Project Spotlight: Distinctive Marble & Granite

**LED Project: Plain City, OH**

**October 2018**

## Project Description

Eco Development recently completed an LED lighting upgrade for Distinctive Marble & Granite. The goal of this project was to increase the light levels in two areas the showroom and the shop, while decreasing the amount of energy used by the building.

After upgrading to the 24,000-lumen LED G.E. Albeo High Bay, Distinctive Marble & Granite was able to double their foot-candles in the showroom. The increase in the amount of light along with the brighter 5000 Kelvin color has made a big impact in the showroom. The new LEDs give off a more natural light which allows for customers to see the true colors and textures of the marble and granite.

Most of the material is cut, cleaned and prepared in the shop making it a place that also would benefit from upgrading to LED. After the upgrade the foot-candles have increased from 20 to 46. Operators can now easily see better, making their jobs easier. This has increased their productivity and made the shop is also a safer environment now that the light levels have increased.



<b>LED Fixtures Installed:</b> 82	<b>Kilowatts Saved:</b> 38.25	<b>Kilowatt Hour Savings:</b> 131,493.21	<b>Total Annual Savings:</b> \$15,278.39	<b>Annual Return on Investment:</b> 63.16%
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Distinctive Marble & Granite was able to effectively reduce their energy spend in both the showroom and the shop. They were able to do this using a passive control system. Each LED high bay has its own individual occupancy sensor. The sensors will turn the fixture on if someone walks in to its area, then it will dim, and then finally go off after it doesn't sense movement. This will greatly reduce the energy spend for Distinctive Marble & Granite because only the occupied areas will be lit up. After upgrading to LED and installing the passive controls system Distinctive Marble & Granite is saving \$15,278.39 in annual electric costs.