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## **Solar Installation LLC completes 58kW solar array for Spectrum Lighting's 120,000 s/f facility**

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Solar Installation LLC installed and commissioned a 58.8kW system on Spectrum Lighting's massive 120,000 s/f manufacturing and showroom facility. The solar array consisted of 299 solar modules, Solectria inverters and an innovative ballast mounting system, which does not penetrate the roof. The facility is a former mill building which dates back to 1872.

Spectrum manufactures energy efficient commercial and architectural lighting used by facilities nationwide. Before the system was installed, Spectrum had their roof resurfaced with added insulation and a TPO white membrane installed by CentiMark Corporation's Massachusetts division. It is UV rated which dramatically increases the roof lifespan, cuts cooling costs and improves the solar arrays performance. The system is designed with a four year payback and will reduce green house gas emissions by 1,256 tons of CO<sub>2</sub> over its 25 year lifespan. Raynham based Munro Distributing provided all the solar components.

"The installation is near complete and had no manufacturing or other down time. The installation looks amazing, clean and simple," said Chris Roemlein, president, Spectrum Lighting

Spectrum plans to further transform their 138 year old former mill building into a lean, energy efficient facility by adding another solar array and an addressable LED lamp retrofit coupled with a daylight harvesting system. This will enable them to increase production and improve their bottom line. Spectrum Lighting is also looking into leasing six to ten Chevy Volt cars, which would be charged at stations in front of their building.

Solar Installation's success with large commercial projects is due to their extensive preplanning and in-house design skills. All the system components are pre-assembled, electrically connected and tied in to the facility's power, along with the utility provider's grid virtually through design software. This way, the actual installation is thoroughly pre-tested and the installation proceeds smoothly. They arrange multiple vendors and supplies, such as crane operators, electrical components, racking systems and the delivery of hundreds of panels with such precision that the entire system was installed and fully operational within eleven days.

Solar Installation LLC, is turning into the preferred large scale solar installation firm in the state. Munro Distributing Company is the premier supplier of electrical supplies, renewable energy components, commercial lighting and energy efficient lighting. They have locations throughout MA, RI, NY, NJ and CA

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