

Horticultural Insurance Business Goes Green with LED Lighting from MaxLite



CASE STUDY



All photos by Scott Evers

Going green with the lighting at its southern Illinois headquarters was only natural for Hortica Insurance & Employee Benefits. For more than a century, the company has been dedicated to providing insurance solutions for horticultural industry businesses such as greenhouse growers, nurseries, garden centers, floral distributors and landscape professionals.

Hortica occupies a 65,000-square-foot building in Edwardsville, which features a beautiful center atrium, and large windows throughout the space that maximize natural light and give the facility an open, airy feel. The building's existing lighting system was comprised of a variety of fluorescent tubes and fixtures that drained energy and resources. This included more than 300 compact fluorescent recessed cans, 4000 feet of double fluorescent tubes for indirect lighting, and 100 2'x4' parabolic three-bulb fixtures.

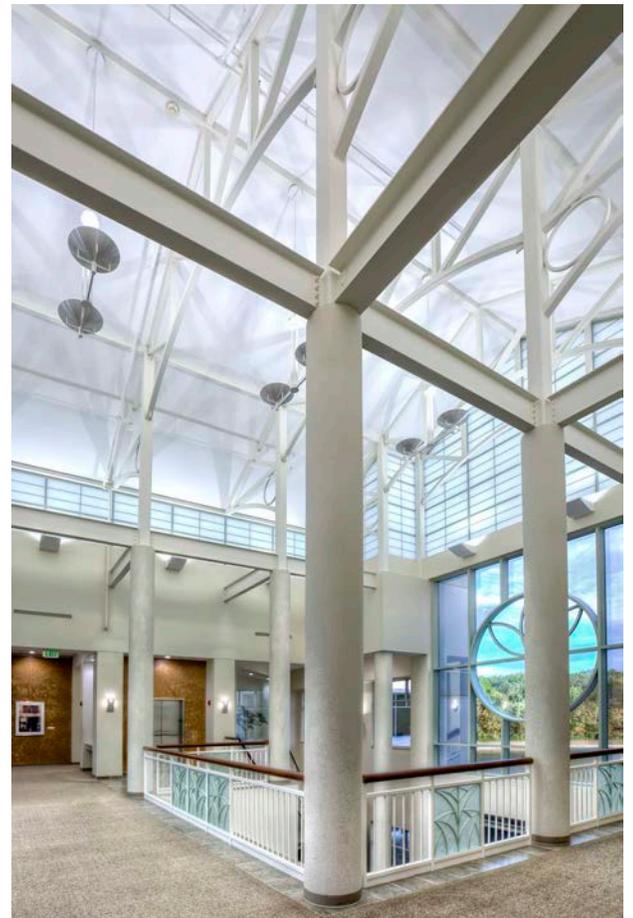
The company sought to reduce the facility's operating expenses and carbon footprint, while improving the overall quality of lighting. Using MaxLite LED products, Cool City Lights devised a retrofit plan for the facility that eliminated 80 recessed cans, reduced the indirect fluorescent tube lighting by half and cut the lamps in the 2' x 4' parabolic fixtures from three down to two.

MaxLite 14-watt LED downlight retrofits were installed in recessed cans located in the cafeteria, reception areas and meeting spaces, while 36-watt Flat Max edge-lit panels were placed in grid ceilings in the hallways and conference rooms. Four-foot, 18- and 22-watt LED T8 lamps replaced the fluorescent tubes in the suspension fixtures in the main office and utility strip fixtures in the storage area, while two-foot, 10-watt LED T8 lamps were installed in the parabolic fixtures in the kitchen, as well as the ceiling fixtures in the break room and offices.



“By switching the building’s lighting system over to LED, we were able to reduce the number of fixtures and lamps overall, while increasing the quality and disbursement of light throughout the building and working areas.”

- Rich Tallerico, president, Cool City Lights





The decorative ceiling fixtures were retrofitted with 277-volt 17-watt LED PAR 30 lamps, while 8-watt PL Lamps with a four-pin base were installed in wall sconces. MaxLite 7-watt MR16 LED lamps were installed in track lighting fixtures, which accent artwork in reception and other common spaces.

Outside the facility, 20- and 40-watt LED flood lights were used in place of metal halide luminaires to illuminate the Hortica sign in the parking lot. MaxLite 12-watt LED Post Top lamps were also installed in bollard fixtures that light the walkways and landscaping on the grounds.

The conversion to LED will reduce Hortica's energy consumption by more than 200,000 kWh annually. The company has already saved 93,500 kWh and \$8,300 in energy costs in the four months since the installation was completed (August 2015).



MaxLite

MaxLite has been committed to providing energy efficient lighting products for more than 20 years, and was one of the first movers into LED technology in the industry. A three-time ENERGY STAR® Partner of the Year, MaxLite established the MaxLED® brand, an extensive line of indoor and outdoor lighting fixtures featuring innovative LED luminaires and lamps using the latest state-of-the-art LED technology.