

The Mineola Memorial Library

Mineola, NY



WAC Sheds New Light on Mineola, NY Library Art Gallery with High Performance, Energy Star Luminaires

Based in the heart of Long Island, New York, The Mineola Memorial Library selected WAC Lighting as a lighting partner for the display illumination of its new Art Gallery. The library required energy efficient, high performance luminaires that were certified by the New York State Energy Research and Development Authority (NYSERDA).

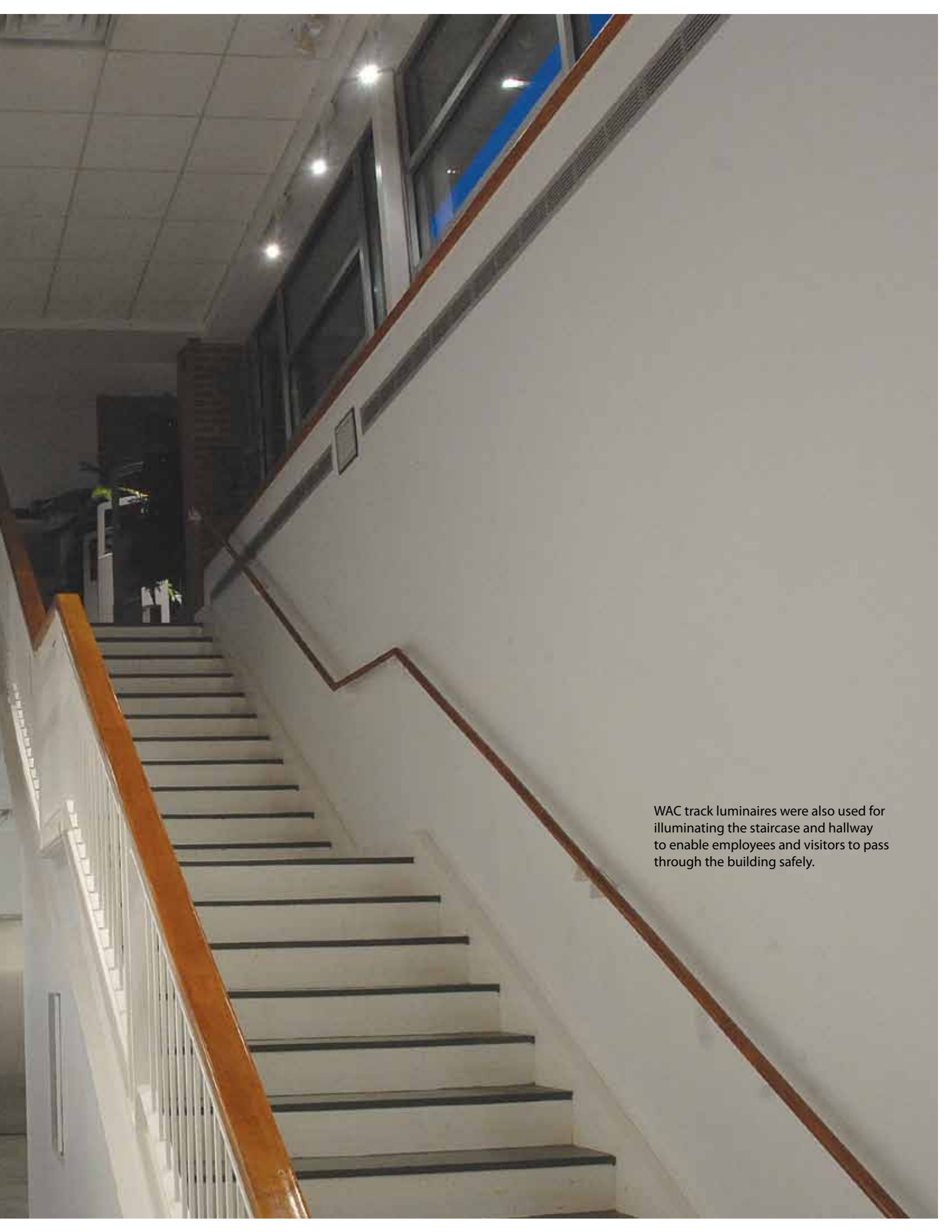
NYSERDA helps reduce energy consumption and conducts energy audits to ensure that the luminaires comply with its Energy Star standards. This compliance ensures that the manufacturer achieves the desired light levels, with a significant reduction in the total amount of power consumption.

After extensive research to meet NYSERDA's stringent Energy Star standards, WAC Lighting developed and manufactured a revolutionary new LED track luminaire to deliver a strong lumen output and a warm white color light similar to traditional incandescent fixtures. Utilizing the latest LED (light emitting diode) technology, the luminaire was engineered to use up to 85% less energy than standard incandescents. This innovative luminaire is highly efficient, producing upwards of 50 lumens per watt of power consumed, which is the first of its kind for WAC and well exceeds Energy Star requirements. LED fixtures do not emit harmful infrared and ultraviolet rays or heat that fade the colors of paintings and other artwork, which is a potential problem when using natural sunlight or conventional light sources such as fluorescent, halogen and incandescent fixtures.

"We listened to the library board members and understood the special challenges of effectively lighting artwork in a tight space", explained WAC Lighting President Shelley Wald. "We needed to create energy efficient luminaires that met NYSERDA's Energy Star standards and result was sustainable lighting that went over and above those requirements."

A total of 60 10-watt LED luminaires, accompanied with occupancy sensors, were delivered and installed in the library, and supported by the company's lighting design services, to ensure that optimal light levels and color rendering were achieved throughout the gallery. The Energy Star rated LED luminaires provide 50,000 hours of life (much longer than traditional incandescent fixtures which last only 750 hours), greatly reducing operating and maintenance costs. The occupancy sensors also save on energy because the lights do not switch on unless a person enters the area.





WAC track luminaires were also used for illuminating the staircase and hallway to enable employees and visitors to pass through the building safely.

The new LED luminaires are featured in WAC's VAMP Series of architectural lighting products and can be used on single- and two-circuit track systems. Each luminaire is crafted of die cast aluminum and engineered with an integrated LED engine and heat sink to cool the unit. Easily adjustable and lockable with a knob, the luminaire features a 350-degree horizontal rotation and 90-degree vertical tilt with continual indexing scales for aiming in virtually any direction to highlight paintings in various locations throughout the art gallery. Each luminaire features a spring-loaded button to secure the aiming adjustment on the horizontal and vertical axes.

The project presented stringent challenges such as lighting artwork from 20-foot high ceilings while positioning the fixtures at precise angles to effectively illuminate paintings on the walls. Short ceiling depths required the track luminaires to be spaced closely to the walls, and at sharp, precision beam angles. Providing optimal viewing conditions, the low-profile designs are aimed to focus the viewer's attention on the pictures and not on the fixtures, themselves.

After the installation, the library director and board members were extremely proud of the Gallery and the new lighting displays. Library members and visitors enjoy the visual comfort and illuminance that the fixtures provide so they can appreciate the local artwork on view.

"As president of the library board, I am very proud of the artwork display," said Terence Timlin, President of the Mineola Library Board of Trustees. "It really looks like an art gallery now. The lighting showcases the works of the artists beautifully."

"The Mineola Library has been transformed into a gallery that local artists are proud to hang their works," Mr. Timlin continued. "I have gone to other libraries and I can tell you that the Mineola Public Library is ahead of the curve on this one. I think we are a model for sustainable lighting, that others will want to emulate." Keeping in step with the library's Green sustainability efforts, the luminaires were produced in WAC's clean, family owned manufacturing campus with zero landfill status, recycling capabilities and in-house UL approved labs. WAC is a global manufacturer and designer of track, recessed, monorail, under cabinet and decorative lighting.

The luminaires delivered superior performance, versatility, functionality and energy efficient technology, ensuring that the artwork was displayed at the finest light levels throughout the gallery. The lighting's cool operation protected the artwork from fading, while reducing the library's HVAC energy costs.



Model: **JHT-LED212-WT**

- High efficiency track luminaire producing more than 50 lumens per watt. (3000K)
- Integral LED engine to the fixture, no visible heat sink

Model: **J2-T8-WT**

- Each Circuit is rated at 20A and allows the control of two individual sets of fixtures
- Enables the use of two separately switched circuits on one section or run of track
- Saves on installation costs by eliminating the need for long separate feed runs





LED luminaires were used for optimal general and accent lighting in the space as well.

"Our design and engineering team has a deep well of experience in this field as we have provided task specific artwork lighting for some of the finest museums around the globe, stated Ms. Wald. "To light art effectively is truly an art form in itself."





Project:

The Mineola Memorial Library,
Mineola, New York

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WAC Lighting - Responsible Lighting

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