The entire span of the 408-foot steel spire that tops 1 WTC is illuminated. Designed to be reminiscent of a lighthouse, the summit of the spire features a custom-made rotating beacon with an array of 50W LED modules designed to fit inside a glass capsule. The final uplight design includes 124 LED color-changing fixtures with on-board status monitoring and diagnostic capabilities. The fully integrated control system includes a web-based graphical user interface capable of monitoring the self-diagnostic lighting fixtures, motor assembly, relay panels and weather station. The centralized computer provides various color selections which range from single color to dynamic color sequencing, as well as a “strobe on command” capability.

Award of CITATION for Controls Innovation
One World Trade Center Spire
New York, NY

Claude R. Engle Lighting Consultant
Claude R. Engle III and Claude R Engle IV, John Berg, Tom Trytek and Aaron Mackenzie, Brian Richardson, with John Luhrs and Paul Rabinovitz, John Gebbie and Brian Dunn

“...the designers were not only inspired to incorporate advanced technology with newly developed methods for illumination, but they also created a highly sophisticated control system for this new, iconic beacon.”
—Lumen Awards Jury

SYSTEMS INTEGRATION
Barbizon Lighting

ARCHITECT
Skidmore, Owings & Merrill
Nicole Dosso

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