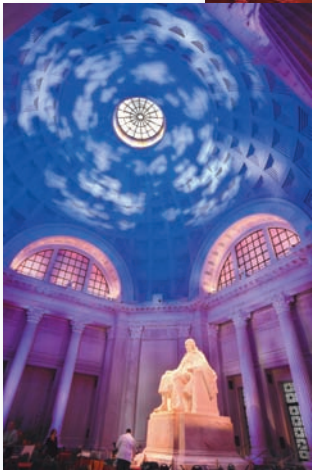


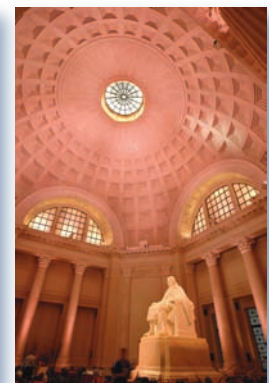
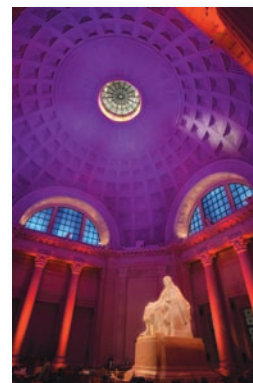
The Franklin Institute - Restoration of The Franklin Hall Rotunda

Philadelphia PA



What started off as a decades-overdue conventional “white light” historic renovation of the nationally landmarked Benjamin Franklin Memorial Rotunda in Philadelphia quickly blossomed into an exciting and complex design challenge. User interviews revealed that the Rotunda hosted 200+ events/year, demanding sophisticated show elements, and almost daily changeover of lighting equipment. After conducting sightline studies, a mock-up, and considering maintenance/flexibility options, our team recommended programmable, state-of-the-art color-changing LED luminaires to illuminate both dome and columns. We proposed an integrated lighting system that would allow synchronized media show

lighting effects, highly flexible event illumination, provide sculptural accents, accommodate multiple lectern locations for presentations, and provide general ambient light. The unique lighting system, employing a special seven different color LED fixture (rather than the conventional RGB scenario) allows access to an extraordinarily rich spectrum of light: from pastels to shades of white to rich saturation.



The LED system represents an energy savings of 85% over more traditional color wash fixtures. What began as a "traditional" assignment morphed into a 21st century lighting tour de force.

Architect: Verner Johnson, Inc.
Photo: Steven Rosen
Completed: 2008

This project was awarded a 2009 IES Design Award • Northeast Regional Award.