

Project Case Study

LIBRARY

The Hoover Public Library Hoover, Alabama



Architect:

Evan Terry Associates

Electrical Engineer:

Ray Engineering Group
David M. Hoppe, P.E.
Tori Stewart



Ranked fourth in the state of Alabama in circulation, the Hoover Public Library is certainly the place to find your next great read, but it is so much more. With a host of programs and a 250 seat theater, the facility serves as a focal point for educational and cultural activities. The library commenced operation in its current location in 1992 with a 45,000 square foot structure. An expansion project to add another 35,000 square feet to the facility was completed in 2001. A second expansion project added The Plaza in 2009. The Plaza is a 5,000 square foot space that includes an intimate performance space surrounded by comfortable seating. Visitors enter The Plaza through an art gallery to access the reading rooms, bookstore, newsstand, cafe and the performance/seating area. The Plaza is surrounded by a reading garden with patio seating and a gazebo.



Images courtesy of Nick Fessel, Cooper Controls

The lighting requirements of a multi-function space like The Plaza necessitate the use of a variety of lighting fixtures and lamp types. An array of fixture types including pendants and recessed cans provide general lighting. Artwork in the gallery is illuminated by a specialty fixture while the performance space is outfitted with theatrical lighting. Lamp types include incandescent and fluorescent in both switched and dimmed applications. The iLumin Universal Source Controller can be configured on site to drive any load type without the need for special cards or modules.

The customer desired the ability to use an existing theatrical dimming console to control the lighting when appropriate. "Because this addition to the library is a multipurpose space we needed both architectural control and the flexibility to incorporate a lightboard for small theatrical productions. The iLumin system works well." said David M. Hoppe, P.E. of Ray Engineering Group. When the iLumin system detects a DMX signal on its standard DMX input port, it gives control of the lighting loads to the console and disables the air gap off feature for quick response. The system returns control of the loads to wallstations, touchscreen, and time schedules when the DMX signal is removed.

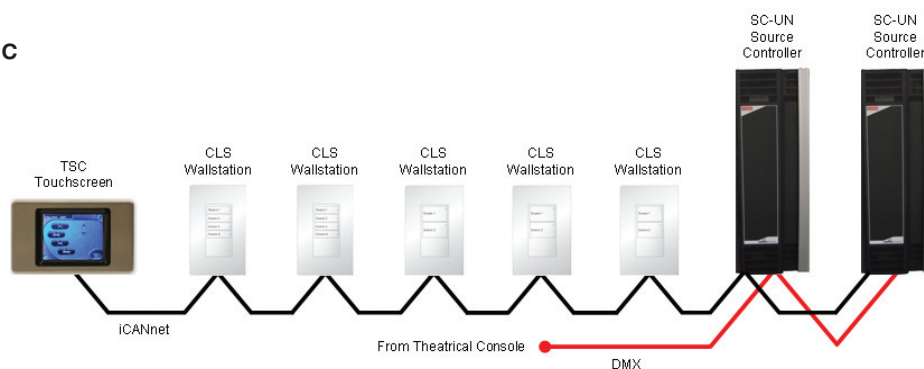
Why the client chose iLumin

- Cost effective high quality system
- Support for any load type with a single controller
- Intuitive, easy to use wall station and touch screen controls
- Built-in support for DMX

Equipment Installed

- SC-UN 24 circuit Universal Source Controllers
- CLS Ineo wallstations
- TSC30: 3.5" Color LCD Touchscreen

Project Schematic



iLumin networked architectural lighting control systems from Cooper Controls can scale to meet the requirements of any size job. iLumin systems employ the most intuitive wallstation user interfaces on the market. Color touchscreens and hand held remote controls are also available to simplify system operation even further. A number of system interfaces are available to allow for integration with A/V equipment, DMX based controls and third party systems.