

**WILLOW CREEK MCHENRY PROMISELAND YOUTH ROOMS  
CRYSTAL LAKE, IL**

**Challenges**

- Provide a flexible, cost effective, and easy-to-use lighting control solution for several youth rooms.
- Design a system that provides general illumination, room enhancements, and has the ability to expand through future purchases or rentals.
- Provide equipment that can be moved when Youth Room are relocated in the future.

**Design**

- Provide room enhancement through the use of gobo projection with (18) ETC Source IV JR Ellipsoidals.
- Illuminate room using ETC Source IV PAR w/ City Theatrical Barndoors.
- Allow for dimming of existing fixtures and future purchases with (4) ET 6 x 1.2Kw 450 uS IPS Dimmer Strips and (2) ET 6 x 1200w 450 uS IGBT Dimmer Boxes.
- Control of entire system with ETC Smartfade 2496.

**Solutions**

- Through the use of distributed IGBT dimming solutions from Entertainment Technology, ILC was able to keep the costs of electrical installation down while still providing a dimming solution that can be relocated. The flexibility of the system allowed for dimming locations throughout the space, the ability to add more dimming in the future, and provided expandability for more fixtures at any time.
- The ETC Smartfade 2496 control console provided easy control for a variety of volunteer and staff users.

