

## Leviton Lighting Controls Cut Energy Usage in High School Gymnasium in Half

### The Customer

Bryan High School Gymnasium, located in Bryan, OH.

### The Challenge

- To preserve aesthetics: no drilling, patching, or additional wiring allowed.
- Current HID (high intensity discharge) lights provided poor quality of light, were slow to turn on, and were inefficient.
- Complete installation without interrupting or cancelling class.

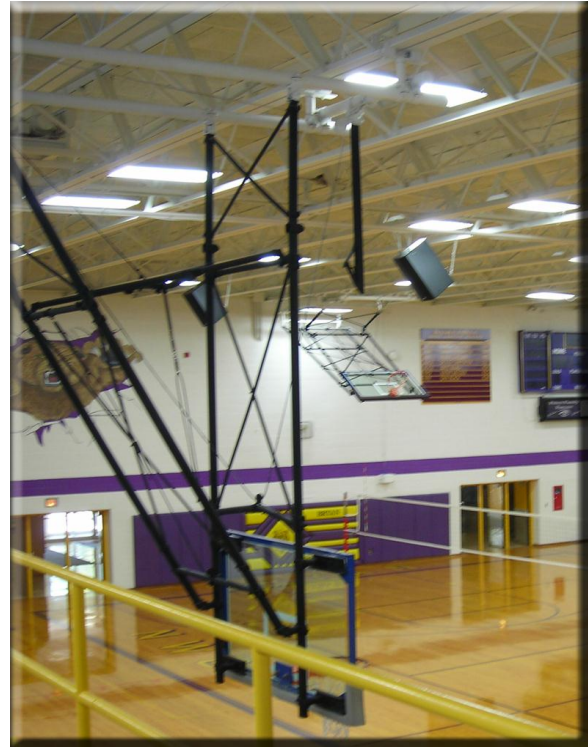
### The Solution

Retrofit installation barriers were overcome by the energy harvesting and wireless attributes inherent to Leviton's EnOcean-based lighting controls. The system provided controls for 7 rows of double-ballast fluorescent fixtures using 42 room controllers, repeaters, 4 dual rocker and 4 single rocker switches that implemented a bi-level lighting system with manual-on/auto-off functionality with high-bay occupancy sensors. Utilizing the non-invasive nature of wireless and battery less retrofits, Bryan HS did not experience closure, aesthetics were preserved and inefficiencies were eliminated.

### The Results

The lighting system retrofit reduced energy usage at least 50% due to the following upgrades:

- Bi-level lighting / Daylighting
- Automated Occupancy Controls
- Energy efficient fluorescent lamps & fixtures
- Individual and Master controls for all seven zones



Location:	Bryan High School Bryan, OH
Application:	Retrofit
Industry:	Education
System Components:	<ul style="list-style-type: none"> <li>○ Self-powered Light Switch</li> <li>○ Self-powered Dual-rocker Switch</li> <li>○ Relay Receiver + Repeater</li> <li>○ Room Controller</li> </ul>
Benefits:	Energy usage reduced by at least 50%

### For More Information

To learn more about the wide range of Leviton's lighting control and energy management solutions, please visit [www.leviton.com/les](http://www.leviton.com/les) or call 503-404-5555.