

“Flexibility to change packages as production demands evolve was a key criteria...”

- John Duncan, owner of Pin Point Lighting

PCS TRIO™

The Wildwood Catholic High School in Wildwood, NJ contacted Pin Point Lighting (PPL) to modernize and overhaul all aspects of their student run and locally used theatre. The project involved running new cable assemblies (power and data), installing incandescent and LED lighting, and other elements to enhance the stage and general theatre area. The School was looking to modernize their lighting and sound devices as they moved away from some of the extremely outdated equipment they had on hand.

PPL looked at various power distribution systems and understood the school needed a maintenance free system to accommodate their budgetary constraints needs year to year and they were slowly moving away from conventional fixtures to LEDs.

The flexibility to change out packages as production demands evolved was also a key criteria.

The solution

John Duncan Jr., President/Owner of PPL was tasked to take into account Wildwood Catholic High School was working with a tight budget, limited power availability as well as power distribution and dimming needs that would change regularly as the Theatre was also used locally.

His main objective was to find a robust and modular power control system that required little to no maintenance and handled all the current and future dimming needs of the theatre.

Based on pre-viewing PCS TRIO™ at LDI 2014, and their long term relationship with Lex Products as a

PIN POINT LIGHTING



John Duncan, Jr
Owner/President PPL

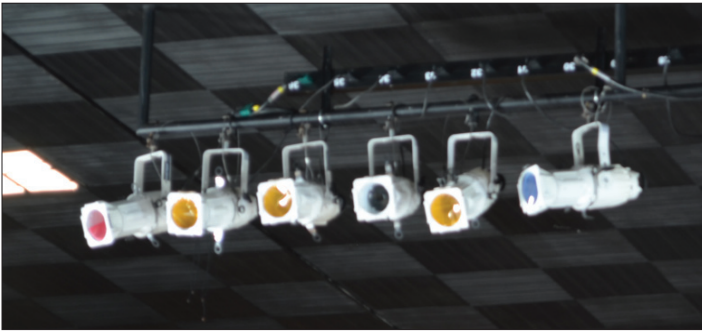
Founded in 1999 to provide quality lighting equipment rental, production, and design to the Philadelphia area. With over a decade of experience, PPL has quickly grown into one of the largest suppliers of theatrical + concert lighting in the Philadelphia region. Recent projects include providing lighting to the Pennsylvania Ballet, the Philadelphia Orchestra, and the Opera Company of Philadelphia.

Lex Products equipment used at installation:

- PCS TRIO™ Power Control Solution
- PowerPLUS™ Installed Connector Strips
- PowerFLEX™ Cable Assemblies

Key Benefits of PCS TRIO™

- Modular design allows future expansion
- Easy to install
- Most economical solution



dealer, John knew PCS TRIO™ was the clear choice to satisfy all the project's demands.

"I really liked the design of PCS TRO, ever since I saw it at LDI, I knew it would be a game changer for my installation projects," commented John Duncan Jr. "The components inside are simple and easy to use. Everything is clearly labeled which made our installation of the system easy and the theatre is getting a system that will last a long time."

Design needs

The theatre had a combination of power needs that had to be addressed as the FOH was all dimming for incandescent fixtures and the stage lighting required all relays for LED wash fixtures. This scenario is a perfect example of the evolution in lighting taking place in the entertainment industry.

Upon review by Johnson Electric, the electrical contractor on site, the best option for the school was determined to be (2) 8 module systems compared to a single 16 module rack.

This was based on the power supply availability of the facility which required separate power feeds to two separate racks compared to running all the power to a single panel.

The first PCS TRIO™ panel was dedicated to all dimmers (DDD), with each Module utilizing (2) SCR Dimmers each rated for 120V 20A. The second panel was dedicated to all Single Pole Relay Circuits (RRR) each rated for 120V 20A.

Due to its unique ability to supply power control for dimmers, single pole and double pole relays in a single system PCS TRIO™ may be updated in the future easily by swapping out various Modules.

Installation Summary

The electrical contractor on site cleanly installed the systems and the commissioning team arrived on site to review the install. Upon successfully installing the Chamber Controller all 16 Modules were inserted. The system was energized and circuits were successfully tested to ensure proper validation of all lighting elements around the theatre.



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