



PROJECT SNAPSHOT

Project Name:	Lighting the Robin Hood Costume at the IIDA's 21st Annual Fashion Show
Location:	Boston Convention and Exhibition Center, Boston, MA
Project Completion:	November 2019
Architect:	Dore + Whittier
Lighting Installation:	Port Lighting Systems
Materials:	Forbo Flooring Systems, Rockfon
City Theatrical Solution:	3 QolorFLEX® SHoW DMX Neo® 2x5A Dimmers (P/N 5722M), 1 QolorFLEX SHoW DMX Neo 4x2.5A Dimmers (P/N 5742M), 1 SHoW DMX SHoW Baby® 6 (P/N 5702M), 1 DMXcat® (P/N 6000)

IIDA

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(IIDA) works to advance the value of interior design and to cultivate leadership within the profession. The New England Chapter of the IIDA holds annual events, including its annual fashion show, to demonstrate how cutting-edge interior design materials can be used in new and innovative ways.

CHALLENGES

Architect Dore + Whittier was submitting a design for the Robin Hood look to the IIDA Fashion Show and reached out to Port Lighting to find out how they could best integrate lighting into the costume. The theme of the show was “portals”, and the design used interior design materials such as jute webbing and burlap from flooring tiles, rockwool insulation, and laser cut pieces of cork flooring. They sought a way to illuminate the jacket and boots by integrating LED tape.

Port Lighting used their LED installation experience from interior or theatrical projects to craft an LED and dimming solution that could look beautiful while moving and on camera. The lighting team oversaw the testing of LEDs and dimmers to use with the outfit, and the drapery department sewed and assembled the outfit.

SOLUTION

The lighting team from Port Lighting used four QolorFLEX wireless DMX Dimmers, one for each shinguard, one in the back plate, and one placed in a custom-sewn pocket on the right side of jacket, each controlled wirelessly with a single SHoW DMX SHoW Baby 6 device with an external panel antenna mounted backstage, giving the model free movement over the course of a two-minute choreographed walk down the runway.

“We went with QolorFLEX wireless DMX Dimmers because we needed something that was small enough to integrate into the costume, could be controlled wirelessly, and had a strong dimming curve so it wouldn’t flicker on camera. QolorFLEX delivered.”

- Ron Kuszmar, VP, Architectural and Theatrical Lighting, Port Lighting Systems



Photos Courtesy of Port Lighting

TESTING

The lighting team started with LED tape plugged into 12V power supplies on a work bench. They tested and configured the lighting into the different pieces, and learned quickly that the LED tape would require a high quality dimming solution to reduce the brightness and glare on the model during the performance.

To maintain consistency and reduce the brightness of the LED lighting on the outfit, the team introduced dimming, and recommended the QolorFLEX wireless dimmers based on the unique needs of the runway. The dimmers were set to the rhythm of the music, and provided flicker free dimming throughout the show. The dimmer for the outfit's center chest ring was set to a pulse to signify the heart beat of the woods, and the hood maintained at 42% to light the model's face evenly.

Before and after the show for judging purposes and the reception, the team used DMXcat with a battery operated SHoW Baby to allow for a detailed view of the costume in close quarters.



Learn more about QolorFLEX SHoW DMX Neo 2x.5A Dimmers at: citytheatrical.com/Products/qolorflex-show-dmx-neo-2x5a-dimmer



Learn more about QolorFLEX SHoW DMX Neo 4x2.5A Dimmers at: citytheatrical.com/products/qolorflex-show-dmx-neo-4x2-5a-dimmer

“If you don’t have a good dimmer behind your LED tape, regardless of tape, you’ll get flicker on camera. We got lots of compliments about how our costume didn’t flicker at all, something that’s hard to do with the movement of the runway especially. The wireless DMX control behind the dimmers really worked out for this design.”

- Ron Kuszmar, VP, Architectural and Theatrical Lighting, Port Lighting Systems

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