



Photo Credit: Win McNamee/Getty Images

## PROJECT SNAPSHOT

Project Name: **Light Boxes and Podium Lighting at the Democratic National Convention**  
Location: **Milwaukee, Wisconsin**  
Project Installation: **August 2020**  
Scenic Designer: **Bruce Rodgers**  
Lighting Designer: **[Full Flood Inc.](#)**  
Scenic Shop: **[PRG Scenic Technologies](#)**  
PRG Project Manager: **Alvin DeLeon**  
Set Electrics Team Lead: **Philip Rheinheimer**  
Electrician: **Bjorn Holm**  
City Theatrical Solutions: **50 reels [QolorFLEX® LED Tape](#), 12v RGBCW, 2 [QolorFLEX 5x8A Dimmers](#), and [DMXcat®](#)**



The 2020 [Democratic National Convention](#) was a presidential nominating convention that was held from August 17 to 20, 2020, at the Wisconsin Center in Milwaukee, Wisconsin, and virtually across the United States. At the convention, delegates of the United States Democratic Party formally chose former Vice president Joe Biden and Senator Kamala Harris of California as the party's nominees for president and vice president.

## Q&A WITH PRG SCENIC TECHNOLOGIES

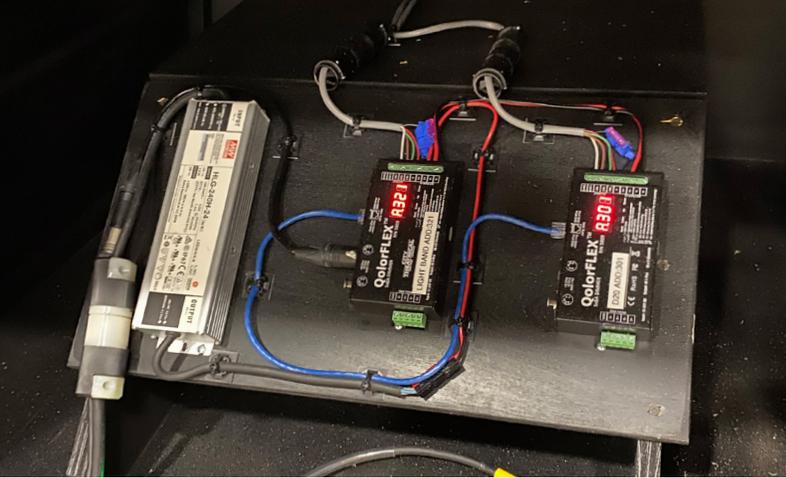
**City Theatrical (CTI):** What was the scope of the project, and where did you use QolorFLEX products?

**Philip Rheinheimer (PR):** For the DNC this year, we provided, among other scenic elements, a deck edge light box, circular star light box around the podium, and the internal lighting of the Biden podium.

**CTI:** What were you looking to achieve with the light boxes, and why did QolorFLEX LED Tape help?

**PR:** Production wanted all the elements to be RGBCW with even coverage across the face of the light boxes. We chose QolorFLEX 12v RGBCW LED Tape to use in the light boxes because it would work with our existing 12v custom dimmer assemblies and, more importantly, we had the confidence that it would be flicker-free and look great on camera.

The tape not being quad chip actually ended up working to our benefit in this case because it allowed us to make longer runs while still keeping the power consumption low enough to work with our existing equipment.



Photos by Philip Rheinheimer



Photo Credit: Carolyn Kaster/ AP



## Q&A (Continued)

**CTI:** What were you looking to achieve with the podium, and how did QolorFLEX Dimmers help?

**PR:** We used QolorFLEX 5x8A Dimmers in the Biden podium. Since that element was going to be front and center, we wanted to give the designers as much control as possible to dial in the colors to exactly what they wanted.

**CTI:** What was the testing process like?

**PR:** We did a few mock-ups in the shop to determine how many rows of LED tape we needed and how deep the light box needed to be to get bright, even coverage. We determined that using four pieces of LED tape on two-inch centers in a 12-inch wide by six-inch deep box with a frosted acrylic lid would give us the result the designers were looking for. Also, we used a DMXcat for testing in the shop.

**“We chose the QolorFLEX 12v RGBCW LED Tape for the light boxes because it would work with our existing 12v custom dimmer assemblies and, more importantly, we had the confidence that it would be flicker-free and look great on camera.”**

*- Philip Rheinheimer, Set Electrics Team Lead, [PRG Scenic Technologies](#)*



Learn more about QolorFLEX LED Tape at:  
[www.citytheatrical.com/products/led-tape-qolorflex](http://www.citytheatrical.com/products/led-tape-qolorflex)



Learn more about QolorFLEX 5x8A Dimmers at:  
[www.citytheatrical.com/products/qolorflex-5x8A-dimmer](http://www.citytheatrical.com/products/qolorflex-5x8A-dimmer)

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