

Buell Stadium Press Box Renovation

The Millard Public School's Lyle Buell Stadium in Omaha has served as a shared facility for the district's three primary high schools. The original stadium was constructed in 1970 and serves as a shared space for sports, bands and community events. Morrissey Engineering was awarded the renovation contract that involved a 2,240 square foot addition and a 3,584 square foot renovation of the Football Stadium Press Box.

"The project was inspired by the need for an updated, more dynamic lighting system that would contribute to the ambiance of the stadium, create a sense of excitement, and could also engage students that are interested in game-day operations."

Location:

Omaha, NE

Lighting Designer:

Morrissey Engineering, Inc.

Architect:

BCDB Architects

Specifying Agent:

Mercer Zimmerman

Awards:

ACEC Nebraska - Engineering
Excellence Honor Award

Photos:

Mercer Zimmerman & Morrissey
Engineering, Inc.



Creating a New Fan Experience

Morrissey Engineering selected Kelvix as its partner to help create a modern, color changing experience that was unlike traditional architectural lighting. According to the design team, the inspiration for this project was to provide additional tools for the game day operations teams and to elevate the fan experience during games and events. With multiple schools sharing the same field for home games, utilizing color allowed each school to create a home field identity.

"We also envisioned this lighting system as an opportunity for students to engage and learn about lighting and the impact that it can bring to school events." - Morrissey Engineering, Inc.



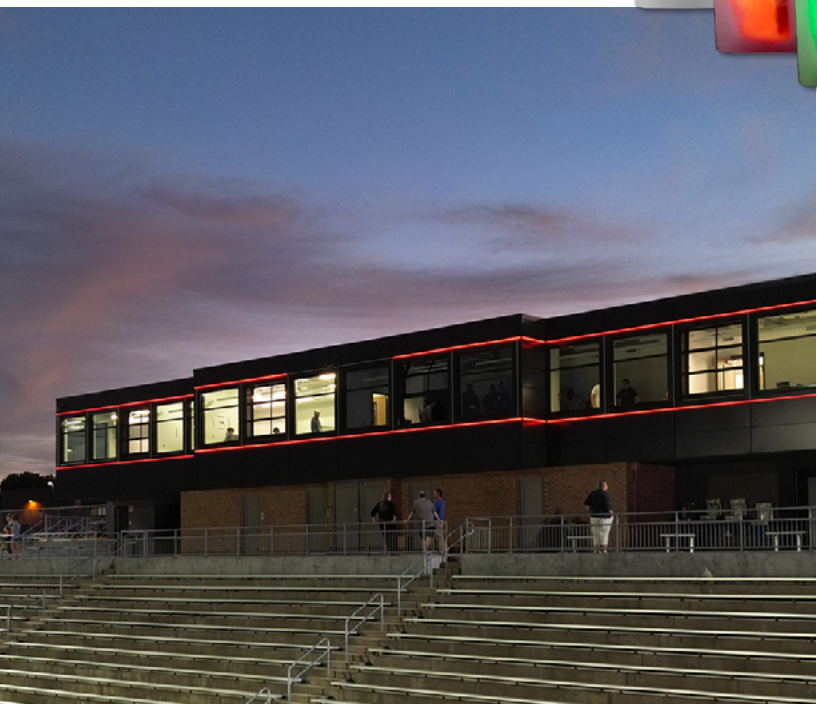
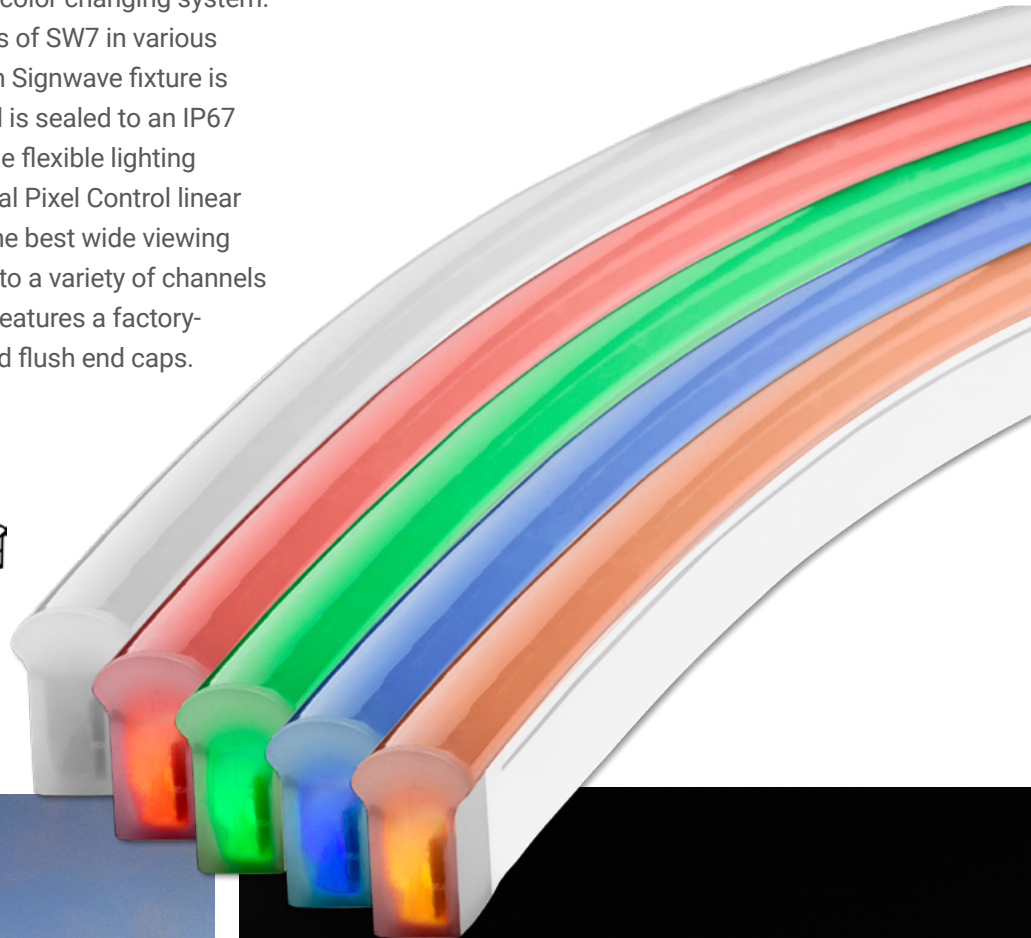
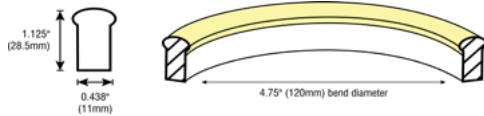
Since one of Morrissey Engineering's main goals for this system was to engage students, the control system needed to break away from the traditional architectural control systems. Instead, the design team utilized software that is traditionally used in theatrical and experiential productions.

“Because this non-traditional system required considerable coordination between the lighting and the controls system, we needed to build a team that was passionate about these systems and was technically sophisticated enough to provide input from the manufacturing side of the design. We found through this process that the team at Kelvix shared our enthusiasm for implementing lighting and lighting control systems that push the traditional boundaries of architectural lighting.”

Morrissey Engineering, Inc.

Signwave® 7 (Indoor/Outdoor) - SW7 Series WIDE VIEWING ANGLE PIXEL CONTROL FLEXIBLE LIGHTING SYSTEM

Kelviz Signwave® 7 (SW7 Series) Wide Viewing Angle Pixel Control Flexible Lighting System was selected as the ideal solution to deliver a flexible, yet versatile color changing system. The total project utilized a total of 55 runs of SW7 in various lengths between 3.7 and 16.01 feet. Each Signwave fixture is extruded to exact production lengths and is sealed to an IP67 rating or greater via injection molding. The flexible lighting system features a dimmable RGBW Digital Pixel Control linear tape luminaire with a domed profile for the best wide viewing angle. The linear system easily installs into a variety of channels to meet the projects specific needs and features a factory-installed power feed and injection-molded flush end caps.





Friday Night Lights

One of the installation challenges faced by the design team was integrating the lighting into the press box. Reveals were designed into the façade paneling system to allow the lights to be inset into the building, but also keep the wide-view lens of the product visible. There were specific length constraints that required custom products and lengths to maintain the integrity of the design. All of this required significant coordination between the design team, the contractors, and multiple manufacturers to ensure the system was cohesive and could be installed to meet the goals of the owner and design team.

“Kelvix never shied away from the complexities of this project. Many of our ideals and goals were not traditional for an architectural lighting system. Kelvix always strived to first understand our goals. Then, within that context, they would provide insights on things that we should consider or revise to optimize and enhance the lighting system.”

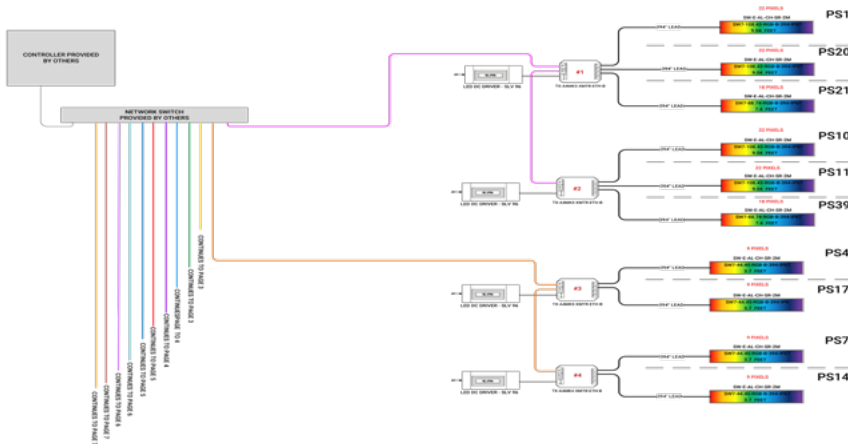
Morrissey Engineering, Inc.

The Kelvix Project Management and Applications teams provided extensive support, including product specification verification, troubleshooting various technical issues, and coordinating warranty replacements. Unique approaches included detailed troubleshooting steps and reprogramming of fixtures to align with project requirements. These efforts ensured that all fixtures met the specified requirements and were operational.

“Kelvix was and continues to be a resource for troubleshooting as all the bugs are being actively worked out of the system.”

As is expected with any project of this complexity, there were many aspects that required enhanced troubleshooting once everything was installed and turned on noted Morrissey Engineering. *“Kelvix was and continues to be a resource for troubleshooting as all the bugs are being actively being worked out of the system.”*

The Kelvix team was an active participant in coordination throughout the project. They were quick to provide any requested information, which was essential for the contractor to finish construction over the summer and have the press box ready for the fall football season.



SLV96
96 Watt-24 Volt | Non Dim | Class 2 Power Supply

The SLV96 is a robust 96 Watt non-dimming LED power supply designed for digital pixel (SPI) controlled lighting. Its high efficiency design maximizes power usage, making it an ideal choice for applications where precision and energy conservation are essential. The SLV96 seamlessly integrates with Kelvix digital pixel-controlled products, offering the capability to power a diverse array of creative installations and shows.

“The project met and exceeded our expectations. From the final installation of the lights to the aesthetic and functional goals, the stunning visual effect of the new lighting brings new energy and dynamics to events at the stadium. We are excited to see what new lighting show design the students will come up with for years to come.”

Morrissey Engineering, Inc.

Products Used

“Ultimately, we needed a partner that would be able to review our designs and fully understand our goals to provide perspective and feedback on our design from a manufacturer’s viewpoint.”

The design team noted that they have continued to receive positive feedback from both the school and the students. “Everyone is excited about the impact that the new lighting system has had on the events at the stadium and for the enhancement of student interaction that this lighting system brings to the facility.”

Signwave® 7 (Indoor/Outdoor) + SW-E-AL-CH-SR-2M

Wide Viewing Angle Pixel Control Flexible Lighting System
+ Aluminum Serrated Channel



SLV96

96 Watt-24 Volt | Non Dim | Class 2 Power Supply



Signwave® 7 (Indoor/Outdoor)

SW7-108.43-RGB-B-394-IP67 + SW-E-AL-CH-SR-2M

SignWave 7 is a Digital Pixel Controlled RGBW system offering unlimited light show potential.

- Digital Pixel Control RGBW
- Dimmable
- 50,000 Hour Life
- Domed Profile for Large Optic
- UL-Listed for Indoor and Outdoor Use
- IP67 or IP68 Option
- Factory-Installed Power Feed
- Injection-Molded Flush End Caps
- For Use with 24V Power Supplies

Advatek PixLite A4-S Mk3 Pixel Controller (Custom) Pixel Controller



KELVIX® is an affordable linear LED manufacturer with a reputation for great service and fast lead times. Our staff of highly-trained project managers guide customers through each project from start to finish. Kelvix is a team of problem solvers and doers. We always have our clients best interest at heart.