

## XS Nightclub

Designed and Installed by John Lyons Systems



When celebrated hotel impresario Steve Wynn set out to create a luxurious new superclub inside his Encore Las Vegas hotel-casino, he knew that only the very best would do. Wynn engaged legendary sound designer John Lyons to create the system that would serve as the heartbeat for the aptly named XS Nightclub. Lyons relied upon Fulcrum Acoustic loudspeakers as part of his sound solution for the club subsequently named the number one nightclub in the U.S. by *Nightclub & Bar's Top 100* for an unprecedented five years.

### Challenges

The big, boomy, round space presented a “sound designer’s worst nightmare,” explains Lyons. “Not only would sound reflections be focused back on the room but they would have a nice, long, leisurely trip on the way, making secondary and tertiary reflections.”

### Solution

Fulcrum’s design team, headed by company co-founder and R&D VP Dave Gunness, worked closely with Lyons to create a system that would minimize the impact of the highly reflective circular space. Eight custom-designed CSB subwoofers, along with US221-2 subs and XL mains, deliver robust and pristine sound to “crush” the XS dancefloor. Additional subwoofers and 46 custom, high-output ceiling speakers provide supplementary coverage for seating areas. “Fulcrum speakers have such incredible output and depth-of-field that you feel like you’re listening to a symphony orchestra, but at dancefloor sound pressure levels,” enthuses Lyons.

“Picture a set of headphones or a really great living room stereo system,” Lyons concludes. “To have that audio experience but on the dancefloor with 1,500 people, it’s a visceral experience, and it really is one of those things that causes people in a nightclub to be able to lose themselves.”

### Project Details

#### Location

Las Vegas, Nevada

#### Category

Hospitality

#### Project Type

40,000 square foot indoor/outdoor nightclub

#### Fulcrum Products

- (6) XL Horn-Loaded Coaxial Loudspeakers
- (8) Custom CSB Subwoofers
- (4) US221-2 Dual 21 inch Direct-Radiating Subwoofers
- (8) Sub112 12 inch Direct-Radiating Subwoofers
- (8) Sub115 15 inch Direct-Radiating Subwoofers
- (46) Custom Ceiling Speakers

#### Supporting Products

- BSS Audio Soundweb London Processor and Expander
- Crown Power Amps
- Allen & Heath Xone 92 Mixer
- Pioneer CDJ-1000 CD Players
- Technics SL-1200 M5G Turntables

