

THE SPHERE

Las Vegas, Nevada



At 336 feet tall and 516 feet wide, The Sphere is thought to be the largest spherical structure in the world, outdoing Epcot Center's Spaceship Earth, Montreal's Biosphere and Stockholm's Avicii Arena.

The Sphere will host concerts, residencies, corporate events, and select sporting events like boxing and MMA providing a harmonious blend of illumination, audio and advanced technology.



The design intent behind the Sphere was to create a one of kind user experience that had never been achieved to date.

The goal was to raise the bar and reimagine the user experience for live events for patrons as soon as they stepped through the front doors of the Sphere. The show experience was designed to immerse the patron with every design detail throughout the venue with an out of this world sensory experience. The RGBW lighting plays a major role from the design team in creating the elevated user themed experience.

ICRAVE, the award-winning NYC lighting design firm, specified over 1,000 of Clarté Lighting's RGBW directional architectural RGBW fixtures in the architectural space leading into the arena.

Clarté Lighting's 4" PAR30 scale and 4 1/2" PAR38 scale RGBW architectural fixtures help establish the unique experience inside the Sphere during events. They highlight, enhance and create a unique patron experience in the pre-function spaces leading into the stage area.

Clarté Lighting's surface and track RGBW fixtures installed throughout the Sphere accept up to 4 accessories per fixture, to manipulate and control the light, to achieve the desired result visually. Most of the fixtures installed had 3 optical accessories per fixture installed to blend the light together from each RGBW LED with no noticeable color separation and to make the fixtures disappear visually into the ceiling.

At the center of the lighting design is a symmetrical grid of 90 of Clarté Lighting's 6" surface cylinders mounted at 80' with 4 optional optical accessories, utilizing a 14-degree narrow spot RGBW optical array with a 5/8" paracube black louver per fixture to eliminate all surface brightness from the face of the fixture.



The 4 1/2" PAR38 scale optic at 80' also had architectural barn doors attached to the optical array so the bottom of the fixture sat flush to the slot ceiling to shield the light sources vertical illumination in the ceiling to make the RGBW architectural fixtures disappear visually.

ETC's Paradigm DMX dimming controls, with Clarté Lighting's color profiles in the ETC cloud fixture profiles, allowed for seamless color integration of the Clarté fixtures into the space with the ETC dimming controls.

The Clarté Lighting RGBW architectural directional accent LED fixtures, along with the matching linear RGBW illuminated coves, play a vital role in influencing the visual experience of the architectural design and patrons experience inside the Sphere.

The architectural RGBW lighting system within the Las Vegas Sphere is a key design element to the venue enhancing the whole sensory experience and transforming patrons to an elevated experiential level.



To learn more about the Clarté fixtures used at the Sphere and to see more pictures of the project, click through the links below.

4" Mono Point
SMS1-666-PAR30

4 1/2" Mono Point Wall Wash
SMS1-666-PAR38-WWS

6" Pendant
SR6-643-PAR38-PND

4 1/2" Track Fixture
SDT-838-PAR38

Sphere Portfolio

CLARTÉ LIGHTING
Theatrical Performance
ARCHITECTURAL AESTHETICS