

# Case Study

## Controlling Stadium Lights with Cost Effectiveness and Energy Efficiency



Bank of America Stadium, located in Charlotte, North Carolina, is a 73,778-seat open-air stadium home to the Carolina Panthers NFL franchise, and sits on 15 acres of land.

The stadium has 1.4 million square feet of internal space including three concourses with six levels. It boasts 158 luxury suites, 95 restrooms, 429 fixed concession points of sale, training facilities, three Daktronics LED video displays, administrative offices, four escalator bays, and 11 elevators.

To control all of the stadium's 6,000 lights, Triatek provided a state-of-the-art customized lighting control system designed to be cost effective and reliable while simultaneously allowing for flexibility and integration with the Teletrol building automation system.

The Triatek LP-3500 controls the RCS-1000 circuit breaker providing consistent operational control of all lights in the stadium.

The controllers were strategically placed so that one controller can control circuits on three concourse levels.

Effective design and placement only required 18 RCS-1000 units to control 560 circuit breakers in 39 circuit breaker panels on six different levels of the stadium, saving owners almost 50% in installation costs.

Teletrol engineers developed a Triatek driver that allows the RCS panels to be controlled directly from the Teletrol BAS for single source responsibility and operational efficiency.