

# Best Buy & 24 Hour Fitness Parking Lot, Fullerton, CA



CASE STUDY

## Brea Plaza improved safety and lowered energy and maintenance costs with NaturaLED Slim Area Lights

### OPPORTUNITY

The Brea Plaza in Fullerton, California was experiencing a very common problem. Their parking lots were being illuminated by 1000W metal halide light fixtures with a life of 10,000 hours which as they age lose light output at a rapid pace. One of their main tenants, Best Buy had a significant amount of night traffic and the other, 24-Hour Fitness, operated 24/7. Poor quality light output could create unsafe traffic conditions and security problems for their customers. In addition to the security concerns, the Plaza also was paying a premium for the energy to operate these old fixtures and maintenance to change the short-life bulbs. So in the best interest of their tenants, Brea Plaza turned to NaturaLED for a solution.

### PROJECT DETAILS

Original: 1000W Metal Halide Pulse Start Pole Mounted Fixtures

Replacement: NaturaLED 180W LED Slim Area Light Pole Mounted Fixtures

Number of Fixtures Replaced: **42**

Annual Energy Savings = **\$22,075**

Total kWh Reduction = **137,970 kWh**

Annual Maintenance Savings = **\$6,300**



SLIM AREA LIGHT  
180 watts  
22,000 lumens





## SOLUTION

The NaturaLED lighting design team developed a layout for the parking lot using 180W LED Slim Area Light fixtures with premium optics to maximize light distribution while reducing light pollution and directing the light to the target areas. What was accomplished was the replacement of 42 omni-directional, rapidly degrading and inefficient light fixtures with 42 NaturaLED energy-efficient, directional and controlled LED light fixtures that met the customer's sustainability and safety goals.

As a result, Brea Plaza achieved an annual reduction of 137,970 kWh, and a cost savings (energy and maintenance) of over \$368,000 over the life of the fixtures. Best of all the employees and patrons of Brea Plaza's tenants have a bright and safely lit environment for years to come.



## BENEFITS

**IMPROVED SAFETY**

**85% ENERGY SAVINGS**

**LOWER LABOR COSTS**