

## Superblock Parking Structure

Brea, CA



*"Massive four-level parking structure in the heart of Downtown Brea, CA, finds a sustainable lighting solution in the FSC L6000"*



### L6000 Series LED Radial Wrap Features

- Projected L70: 398,000 hours
- Sensors can be integrated for additional energy savings
- Energy efficient – up to 90% savings over current energy/lighting costs
- ETL and DLC Listed
- 50°C Ambient Temperature Rating
- Low maintenance & energy efficient

### The Situation

After conducting studies and collecting feedback from local tenants, the City of Brea decided to add a much-needed parking structure to support a thriving downtown. The new structure houses 476 parking stalls on four levels within a popular entertainment, dining, and shopping area known as the "Super Block."

Providing bright, secure light, meeting CA Title 24 requirements and saving energy were the city's main objectives when determining lighting.

### The Solution

To help the city meet their sustainability goals, FSC's LED Radial Wraps were installed, providing a lighting power density well below California Title 24 Energy Code requirements. In addition, the L6000 Series fixtures controlled by a sensor helped provide additional savings by reducing energy consumption when the lot is unoccupied. The clean, bright light from these fixtures would provide safety and security throughout.

Going beyond efficiency is our top priority. We didn't just develop and install a brand-new lighting solution for Superblock – we went out of our way to ensure the entire process was seamless and affordable. Here's how:

- **Prefabrication:** FSC Lighting made modifications to the fixtures to meet code requirements by punching 3" holes for access to concrete box opening and additional holes for anchor bolts. This customization made installation faster and simpler for the installing contractor.
- **Energy Consumption:** 54 watts per fixture (0.07 watts per square foot), which meets CA Title 24 lighting power density requirements.
- **Light Levels:** Meets parking foot candle requirements.
- **Intelligent Lighting Controls:** The L6000 Series fixtures are controlled by an integrated high/low passive infrared sensor which helps provide additional savings by reducing energy consumption when the lot is unoccupied.

