

## Parking Garage

Boston, MA



*"Parking operator will save in lighting costs by retrofitting it's existing vaportites with FSC LED technology and dimmable sensors."*



### 366- 25WT LED Vaportite Retrofit

#### The Situation:

FSC Lighting was approached to provide a lighting solution for a parking garage in Downtown Boston. The parking operator was looking to reduce energy usage and maintenance costs associated with re-lamping tubes. They also wanted to reuse the existing vaportite housings to reduce both material and labor costs. FSC was awarded the project based on the overall value of the fixtures, ease of installation, ability to reuse existing housings and integration of lighting controls.

#### The Solution:

FSC Lighting's L7600 Series Vaportite Kit replaced luminaires throughout the parking garage, dropping lighting costs by reducing fixture wattage. The L7600 gear tray kit was equipped with a dimmable microwave sensor which goes from high to low (100% to 30%) equating to additional savings. Yellowed, cracked, and broken lenses were replaced with a new, high impact, acrylic diffusers, giving the structure a more uniform and polished look.

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

- **Energy Consumption:** 36 watt replace 28 watts
- **Intelligent Lighting Controls:** Dimmable/programmable sensors for occupancy detection, means lights are in night-light mode in areas of the structure not being occupied. The client decided to set their lighting system at approximately 30% of full light output saving additional energy.

#### L7600 Series LED Vaportite Features:

- Projected L70: 113,000 hours
- Sensors can be integrated for additional energy savings
- Energy efficient – up to 90% savings over current energy/lighting costs
- ETL and DLC Listed
- 40°C Ambient Temperature Rating

### Intelligent Lighting Control Experts

Our fixtures can be integrated with a wide range of options—from simple individual fixture-based controls to the most complex, granular cloud-based IoT systems.

We work closely with our customers to plan, implement and deliver lighting control integrations that meet their needs.

	EXISTING	REPLACEMENT
TECHNOLOGY	LED	LED
SYSTEM	LED Tubes	LED PCB Kit
TOTAL SYSTEM	36	28
CONTROLS	None	Microwave Sensor
TOTAL ANNUAL kwh	115,422	82,414