

Fairlane Plaza Parking Garage



Original Setting

- ↘ 2 Levels of Parking Garage – 207 High Pressure Sodium Lights
- ↘ 150 Watt lamps with Magnetic Ballasts (total consumption per fixture = **176 Watts**)
- ↘ Illumination quality inconsistent with frequent re-lamping required
- ↘ All lights operating 24 hours, 365 days/year
- ↘ Many areas of Garage see little activity and ground floor is exposed to daylight



Lumentek Solution

- ↘ Electronic HID Ballast with intelligent communication capabilities
- ↘ Replacement of existing lamps with new HPS lamps
- ↘ MCTL Software via PC interface (digital) to control each light (individual, groups)
- ↘ Motion sensors to detect occupancy and dim lights to 50% (analog)
- ↘ Remote mount new Ballast in NEMA enclosure on ceiling adjacent to the fixture



Current Setting – after retrofit

- ↘ Lights are dimmed at preset levels automatically (via Software) according to traffic and pedestrian activity within the garage
 - 37 of 207 lights are turned “**off**” during daylight hours; additional 25+ will be turned “**off**” overnight to account for lack of activity
 - Majority of remaining lights operating at 35% dimming (**104 Watts** total, per fixture) or less
- ↘ Motion sensors will be installed later, and coordinated to function in conjunction with the software