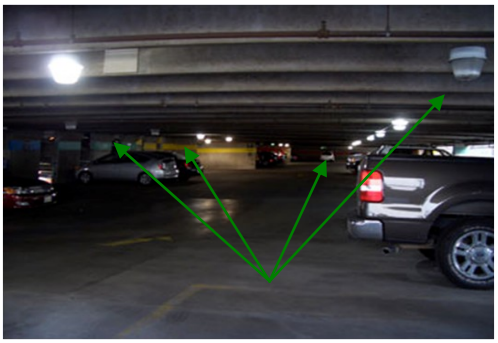
CIREON LIGHTING IN A WHOLE NEW LIGHT

Parking Structures:

Common Lighting Problems and Solid State Lighting Solutions

Problem: bulb failure, dark areas.
Cause: filaments in HID bulbs are fragile, and are not well-suited to the vibration inherent to multi-level parking structures.
Solution: Solid State Lighting is shock and vibration resistant.



Bulb and ballast failures.

Problem: bulb and/or ballast failure, creating dark areas.

Cause: short life cycles with HID lighting require regular maintenance.

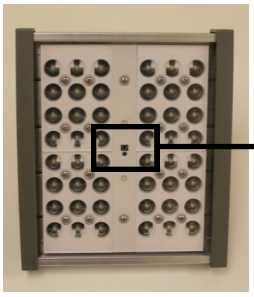
Solution: Cireon Solid State Lighting is rated to last a minimum of 60,000 hours with no maintenance while providing better light distribution.

Better distribution, higher CRI.

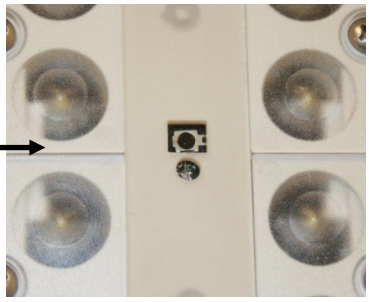
Lights on during the daytime.

Problem: wasted electricity, unneeded lights on during the daytime.

Cause: HID lighting requires a "warm-up" and "interval" cycle. Turning lights on and off is not practical and reduces bulb and ballast life.



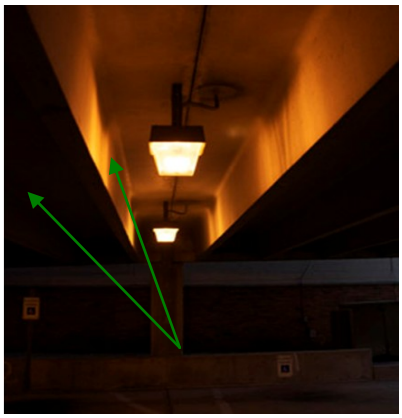
Daylight sensing luminaire.



Close-up of actual Daylight sensor.

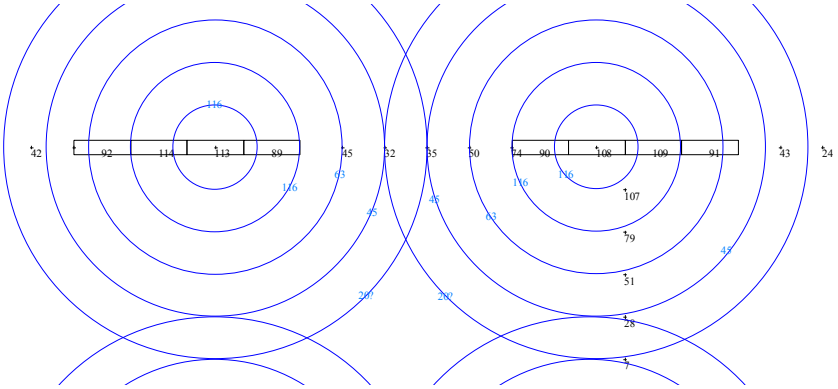
Solution: Cireon Solid State Lighting offers integral daylight sensing to reduce electrical consumption and energy costs.

Problem: Poor use of light; uplighting blocked by girders wastes electricity.



Light directed to the wrong places.

Cause: HID lighting is non-directional and much of the light output ends up in the wrong places. Light is often blocked by the ceiling structures common to many parking facilities and in contrast the darkness appears even darker.



(4) 32W fluorescent vs. (1) 61W Cireon SSL

Blue circles represent LED light coverage, blue numbers are light (lux) levels. Black bars represent fluorescent lighting, black numbers are light (lux) levels.

Solution: Cireon Solid State Lighting uses directional lighting and proprietary optics to provide light only where it's needed.

UL Listed 1598, 8750, for damp locations.

383 Science Drive, Moorpark, CA 93021 O: (805) 557-9100 F: (866) 418-1315 www.cireonusa.com