

# AccessFixtures

## High-Performance Lighting Solutions

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### APTA High Bay Features



- ❑ Energy efficient emitting 125+ luminaire lumens per watt
  - Luminaire lumens are lumens emitted by the luminaire, not the LEDs before optics and glass
- ❑ Rated IP 67 – The luminaire components are sealed and are even submersible
  - Water will not effect the performance of this luminaire now or for years to come
- ❑ LM70 at > 200,000 hours means long term performance
  - After 200,000 hours of use, the LEDs will still emit 70% of the initial lumen output
- ❑ LEDs driven at 700ma or lower for long life
  - Some manufacturers overdrive their LEDs to achieve higher lumens per watt. We don't.
- ❑ Modular construction for quick and easy onsite repair if ever required
  - While we have never had to have an APTA repaired, it could be repaired on site if required
- ❑ Exceptional passive thermal management designed maximizes LED life and luminaire performance
  - There are no fans or moving parts used to cool the LEDs eliminating many potential issues
  - Heat sinking is designed for rapid cooling as compared to closed in luminaires
    - Closed in luminaires hold the heat. On a hot day the LEDs could start off to hot.
- ❑ Die cast aluminum housing with corrosion resistant polyester powder painted finish for durability
  - Meets a 1000-hour salt spray certification per ASTM B117/ ISO 9227:2012 for long life
- ❑ Low EPA to reduce stress on poles
  - EPA is a factor of wind resistance. The APTI open architecture has a low EPA
- ❑ PCBs mounted with Transient Voltage Suppressors to protect the LEDs from voltage transients
  - Basic surge protection is standard
  - Surge protection to 20kV/10kA per ANSI/IEEE C62.41.2-2002 available
- ❑ High-uniformity LED optics constructed of durable impact and UV resistant optical polycarbonate
  - Optics are designed so they don't yellow or break which maintains luminaire efficacy for years
- ❑ Metal plate over optics provides protection for the LED light engine prolong the life of the LED optics
  - The metal plate protects the LEDs from taking a direct hit that could damage them
  - If the LED light module take a direct hit, say from a bullet, the remaining light modules stay on
  - Also, the damaged light module can be replaced in the field
- ❑ No glass design means no glass breakage ever
  - There isn't any glass and broken glass is a primary reason LED luminaires are compromised
- ❑ Custom optical lenses installed to meet the lighting requirements for virtually any application
  - LED light needs optics to distribute the light and project it to the desired place
  - APTA has an extensive lineup of optics to get the lighting projected and evenly distributed
- ❑ Color rendering of greater than 70 CRI for superior visibility is standard
  - >80 CRI and > 90 CRI is available at a minimal extra charge
- ❑ Works with most modern controls including photocell, motion sensors, DALI, 0-10v dimming and more
- ❑ Ratings include UL/ CUL/ DLC/ LM79/ CB/ CE/ SAA/ RoHS/ IK08