ACP LED Series

Floodlight Luminaires
The reliable but affordable ACP LED Series from AEL® is the highest value LED flood available today for utilities and municipalities.

The ACP LED Series is a value-driven solution for floodlighting applications where reliability, high performance, simple installation and hassle-free maintenance must be balanced with initial cost of installation. The ACP LED Series offers three models to choose from; the ACP0 LED (small), the ACP1 LED (medium), and the ACP2 LED (large). With energy savings exceeding 60% over HID alternatives and expected service life of over 20 years, ACP LED luminaires excel at meeting the challenges typically associated with floodlighting.

By combining robust mechanical design features with highly engineered LED engines and industry-leading optical expertise, this luminaire excels as a direct retrofit for both yoke and knuckle mount products. Also, the clean, crisp white LED light of the ACP LED improves visibility which can enhance safety and security in the space.

At a Glance

**Three models**: ACP0 replaces 100-400 watt HID; ACP1 replaces 400-1,000 watt HID; ACP2 replaces up to 1,000 watt HID

**60% minimum energy savings** over HID and 50% maintenance savings

**Mounting options** include both yoke mount and tenon slipfitter knuckle configurations

**20+ year rated** L70 driver for long system life

**20kV/10kA** surge protection available in ACP0 only

**Robust design** with IP66 rating, 2G vibration rating, and a durable paint finish exceeding 2,500 hour salt fog rating

**Choice of color temperatures** include 3000K, 4000K and 5000K

**Segmented internal reflectors** designed for superior field to beam ratios, uniformity, and spacing

**Optical choices** include 3X3, 4X4, 4X5, 5X5, 6X5, and 6x6 NEMA beam patterns

**Tool-less entry** and pre-wired three-stage terminal block eliminates need to open luminaire to wire, reducing installation time

**Control options** include DTL® long life products and ROAM® system for monitoring and diagnostics
Typical Applications

- Ports/Rail Facilities
- Industrial Parks
- Correctional Facilities
- Military Bases
- Water & Wastewater Facilities
- Schools/Campuses
- Substations
- Parking Lots

ACP LED Floodlight Luminaires

- ACP2 LED Large
- ACP1 LED Medium
- ACP0 LED Small
With the choice of seven, eight or nine LED modules, the IP66 rated ACP2 LED (large) offers lumen packages for direct replacement of 750-1,000 watt HID floods. The ACP1 LED (medium) offers the choice of four, five or six LED modules, providing lumen packages replacing 400-1,000 watt HID floods.

Beam patterns available in the ACP2 and ACP1 are 5x5, 6x5 and 6x6. Yoke mounting is available in painted and galvanized steel configurations. They both are available with a variety of shielding options to control uplight and light trespass.
Design Features of the ACP2 and ACP1

- Optional tool-less entry – stainless steel trigger latch
- IP66 rated luminare
- Quick Disconnect for drive power input
- State-of-the-art drivers (700mA, 1,000mA)
- Lineman-friendly terminal block
- Die-cast, low copper aluminum housing
- Double-articulating captive hinge and removable door
- Surge protection: ANSI cat. C rated 10kV/5kA

- Prewired 3-stage terminal block for simplified installation
- Photocontrol receptacle (3-pin standard with 7-pin option)
- Stainless steel latches for simple, tool-less access
- External heat sink provides excellent thermal transfer

- Tenon mount provides factory pre-wired to knuckle wiring chamber
- Factory pre-wired cord assembly and cord grip for yoke mount
- Wraparound yoke mounting options in galvanized steel or durable paint finish
With the choice of six different LED packages, The ACP0 LED (small) offers lumen packages for direct replacement of 100-400 watt HID floods. The smaller form factor and extremely light 28 lb. weight make the IP66 rated ACP0 a more affordable but extremely versatile solution suited to a variety of applications.

Beam patterns available in the ACP0 are 4x4, 5x5, 6x6, 6x5 and Narrow Spot. Yoke mounting is available in painted or galvanized steel configurations. The ACP0 comes with a variety of control options and optional DALI driver.
The ACP0 LED utilizes an extremely efficient LED engine consisting of tightly packed high-density LEDs and highly reflective optics to provide maximum efficacy. Value-added features such as an optional tool-less entry and pre-wired terminal block reduce installation and maintenance for utilities and municipalities.

**Design Features of the ACP0**

- **Advanced LED optics** and glass cover
- **Highly engineered** thermal management system for long system life
- **Easy access** to all electrical components
- **Adjustable knuckle-mount** option with wireway access door
- **Adjustable yoke mount** option available in painted steel or galvanized steel
- **Stainless steel latches** option
- **Bottom visor option** can be mounted upright or inverted
- **Full visor option** for minimized light trespass and glare
- **Easy installation** features such as pre-wired 3-stage terminal block
- **Stainless steel wire guard** option
- **Polycarbonate vandal guard** option
- **FAO module** option for field-adjustable output
Increase Savings with Controls

Enhancing energy reduction by incorporating controls can save an additional 25 to 45% energy. Popular outdoor control strategies include dimming, scheduling and monitoring. Lowering energy consumption through the use of controls is a “green” solution too—helping enhance sustainability and reducing the impact of our carbon footprint.

- ROAM®—Wireless outdoor lighting management
- DTL® DSN—20-year life with Itron network functionality
- DTL® DLL Elite—Durable 20-year rated life photocell

Standards such as the Acuity Controls 7-pin photocontrol receptacle ensure future-proofing of your luminaire so that additional features and capabilities can be enabled as they become available.