![American Electric Lighting AEL logo]

ACP LED Series

Floodlight Luminaires

ACP LED Series

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 up to 1,000 watt HID; ACP2 replaces up to 1,500 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 is standard

Robust design with IP66 rating, 3G vibration rating, and a durable paint finish exceeding 5,000 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 4X4, 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 nLight® AIR occupancy sensor

Ports/Rail Facilities

Industrial Parks

Correctional Facilities

Military Bases

Water & Wastewater Facilities

Schools/Campuses

Substations

Parking Lots

ACP2 LED Large
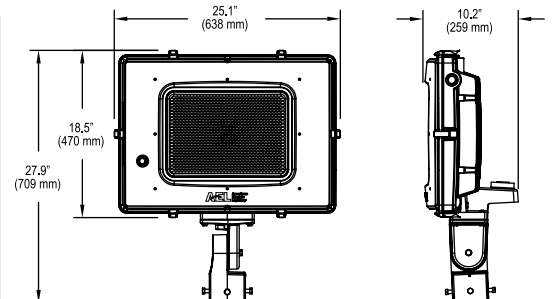
ACP1 LED Medium

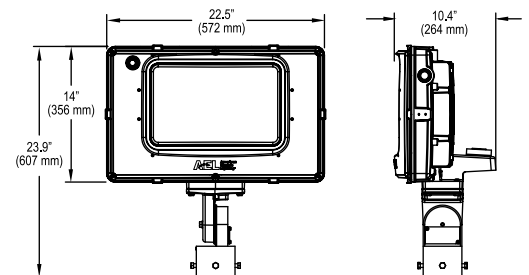ACP0 LED Small

ACP2 & ACP1 LED
Large and Medium Floods

With the choice of five performance packages, the IP66 rated **ACP2 LED** (large) offers lumen packages for direct replacement of 1,000-1,500 watt HID floods. The **ACP1 LED** (medium) also offers five different performance packages, providing lumen packages replacing up to 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.

ACP2 LED
Maximum weight: 65lbs. Yoke
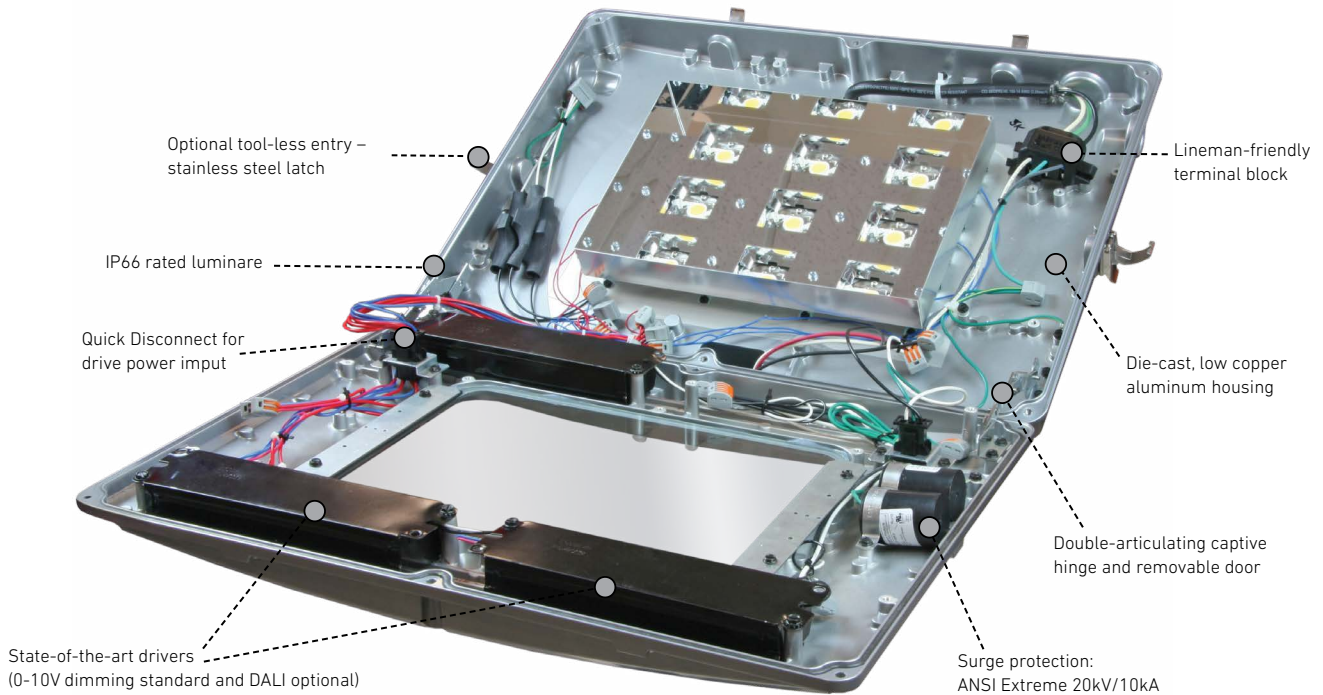**Maximum weight:** 54lbs. Knuckle
Maximum E.P.A.: 3.8 sq ft

ACP1 LED
Maximum weight: 47lbs.Yoke
Maximum weight: 40lbs Knuckle
Maximum E.P.A.: 3.1 sq ft.

Design Features of the ACP2 and ACP1

Optional tool-less entry – stainless steel latch

IP66 rated luminare

Quick Disconnect for drive power imput

State-of-the-art drivers (0-10V dimming standard and DALI optional)

Lineman-friendly terminal block

Die-cast, low copper aluminum housing

Double-articulating captive hinge and removable door

Surge protection: ANSI Extreme 20kV/10kA

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

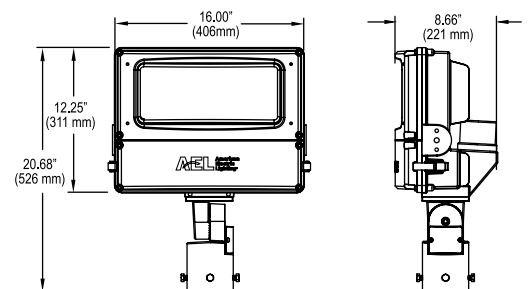
FAO module option for field-adjustable lumen output

ACP0 LED
Small Floods

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, 6x5 and 6x6. Yoke mounting is available in painted or galvanized steel configurations. The ACP0 comes with a variety of control options and optional **DALI** driver.

16.00"
(406mm)

8.66"
(221 mm)

12.25"
(311 mm)

20.68"
(526 mm)

ACP2 LED
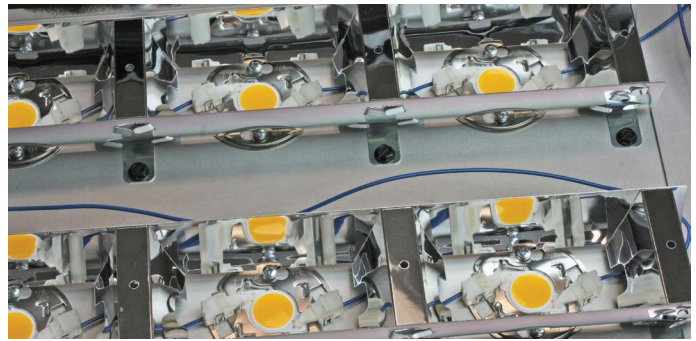**Maximum weight:** 30lbs. Yoke
Maximum weight: 28lbs. Knuckle
Maximum E.P.A.: 1.89 sq ft

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Design Features of the ACPO

Acuity Brands® cutting edge light engine design provides value through high performance, reduced operational costs and long system life. The segmented internal reflectors are designed to provide high lumens per watt with superior field to beam ratios, uniformity, and spacing.

Advanced LED optics and glass cover

20kV/10kA Extreme surge protection to protect your LED investment

Easy access to all electrical components

Adjustable knuckle-mount option with wireway access door

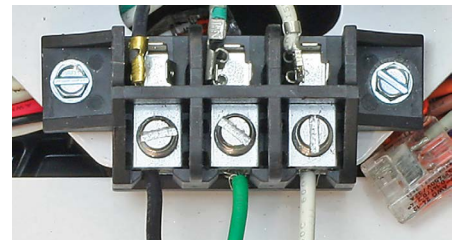**Adjustable yoke mount** option available in painted steel or galvanized steel

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 lumen 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.

- DTL® DLL Elite –Durable 20-year rated life photocell
- DTL® DSN–20-year life with Itron network functionality
- DTL® Connect –Advanced photocell with wireless remote control
- Optional nLight® AIR controls offer additional operational savings

The nLight AIR wireless rSBOR utilizes Passive Infrared (PIR) detection technology to detect walking-size motion while preventing false tripping from the environment. The rSBOR features a dual radio that allows it to communicate via Bluetooth for iPhone/Android app-based configuration and with other nLight AIR devices in order to enable control strategies like group response to motion, on/off control in response to daylight and by switch.

AcuityBrands.