American LED Luminaire
The new American LED Luminaire from Visionaire Lighting, combines contemporary design with new LED technology at an affordable price; while providing optimum lighting and energy savings, over traditional lighting systems. Designed to replace standard 250, 400 or 1000 watt HID fixtures, while using up to 50% less energy! Eliminate your maintenance issues for years to come with lamp life well over 10 years. Dramatically improve your light levels and uniformity with engineered optical distribution patterns for maximum efficiency of the LEDs.

Consider Visionaire’s New “Vision-Net” dimming control system for affordable wireless dimming of your LED lighting system; for unlimited control and added energy savings.

Transition into the future with quality LED outdoor lighting, at an affordable price. Consider the American Series for your next Lighting project.

Fixture Construction

• Features all-aluminum housing, door frame, and components for lasting durability.
• Features a decorative reveal for architectural appeal.
• The LEDs are mounted to an aluminum heat sink for long life.
• The drivers are mounted to a rigid aluminum bracket and is readily accessible for easy maintenance.
• The door frame is removable for ease of installation; and is shipped with all LED components completely assembled to the door.

LED Technology

• 72, 144 or 224 LEDs available in 350 or 530 mA ratings.
• Up to 33,000 lumens available.
• 4000 or 5000 Kelvin for natural or white light.
• Six optical distribution patterns
• 60,000 to 80,000 hours of life for the LEDs
• Add dimming controls for greater energy savings.

Applications

The American LED Luminaire is a proven performer for general area lighting such as parking lots for office buildings, university campuses, and other commercial properties such as auto dealerships and shopping centers.
One piece formed aluminum housing.

Extruded aluminum bolt-on arm.

Silicone gasket for complete weatherproof seal.

Hinge assembly allows easy installation or removal of the door frame.

One piece, formed aluminum removable door frame.
Captive stainless steel door fastener.

Heavy Duty Aluminum Heat Sink

Architectural reveal.

High Performance LED Drivers
With a power factor greater than 90%, and rated to -40° C operation. Mounted to a heavy duty aluminum plate for maximum rigidity and heat dissipation.

LED Light Assemblies
Come in multiples of 72, 144 or 224 LEDs, with six IES distribution patterns.
An LED Retrofit Solution for Visionaire’s AMERICAN HID Series

Designed to be incredibly simple to retrofit existing Visionaire American “AME-2” or “AME-4” HID fixtures. Instantly reduce your energy load and start saving money, while maintaining the fixture’s integrity and applicable electrical listings like ETL; as well as any product warranties that may exist. That is something third party retrofits cannot do. The new American LED Retrofit Door is one-piece, compact, and self-contained; and requires no assembly before installation. Simply remove it from its protective shipping carton, and you are ready to complete the installation.

To install the LED assembly; you first remove and discard the existing American “AME-2” or “AME-4” door, reflector, and ballast. Install the new LED door assembly onto the existing hinge pins of the existing fixture; make the electrical connection, and close the door.

Done in five minutes or less! Instant energy saving! Eliminate your maintenance headaches for the next 10 years or more!

Construction

• The door frame and heat sink are all-aluminum construction.
• The LED’s are mounted to an aluminum heat sink for long life.
• The drivers are mounted to a rigid aluminum bracket and is readily accessible for easy maintenance.
• Fits standard AME-2 or AME-4 fixture door hinges, and supplied with captive stainless captive fastener.

LED Technology

• 72, 144 or 224 LEDs available in 350 or 530 mA ratings.
• Up to 33,000 lumens available.
• Choose from 80 to 373 watts of power.
• 4000 or 5000 Kelvin for natural or white light.
• Six optical distribution patterns
• 60,000 to 80,000 hours of life for the LEDs
• Add dimming controls for greater energy savings

Applications

• The American LED Retrofit Series is perfect for any of the many applications that the American fixture has been used for in the past.
• Area lighting
• Auto dealerships.
• Shopping Centers

Take advantage of the new LED opportunities now!
## American Series HID/LED Energy Analysis

### American Retrofit

<table>
<thead>
<tr>
<th></th>
<th>1000 MH</th>
<th>224LC-530</th>
<th>400 MH</th>
<th>144LC-530</th>
<th>250 MH</th>
<th>72LC-530</th>
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<td>0.15</td>
<td>0.15</td>
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<td><strong>Operating Hours Per Day</strong></td>
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<td><strong>Lumens</strong></td>
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<td>22,000</td>
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<td><strong>Lamp Life / Hours</strong></td>
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<td>10,000</td>
<td>60,000</td>
<td>10,000</td>
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<td>5 Years</td>
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<td><strong>Watts/Fixture</strong></td>
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<tr>
<td><strong>Monthly Operating Hours (Watt Hours)</strong></td>
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<td>167,400</td>
<td>91,440</td>
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<td><strong>KWH (Watt Hrs/Watts)</strong></td>
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<td><strong>Monthly Cost to Operate - Single Fixture</strong></td>
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<td>$20.77</td>
<td>$25.11</td>
<td>$13.72</td>
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<td><strong>Monthly Cost to Operate - Fixture Qty on Site</strong></td>
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<td>$627.75</td>
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<td><strong>Annual Cost to Operate - Single Fixture</strong></td>
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<td>$164.59</td>
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<td><strong>Annual Cost to Operate - Fixture Qty on Site</strong></td>
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<td><strong>Annual Savings</strong></td>
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<td>$2,640.60</td>
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</table>

Calculations based on the below facts:
Existing fixture is a horizontal 1000MH, 400MH or 250MH
KWH Rate based on a local rate of $0.15 KWH Rate
12 Hours per day of operation
For your custom payback analysis, please contact the Factory
To avoid possible risk of fire or shock, turn power off prior to installation or maintenance preferably at circuit breaker. Product must be installed per all NEC and/or local electrical codes.

**INSTALLATION**

1. Undo door lock-screw completely until door is released, swing door open and slide to remove from fixture.

2. Release optics from luminaire housing by turning all four quarter turn fasteners.

3. Remove the electrical quick dis-connect assembly and discard optics appropriately.

4. Remove HID ballast and all old electrical components and discard appropriately.

5. Slide LED retrofit door frame on to existing hinge and proceed to verify wattage against label installed on luminaire making all electrical connections per NEC and/or any applicable local codes.

6. Swing up LED retrofit and secure using lock screw to complete door frame installation.

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**American Size 2 Shown**

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Don't put HID components in the trash (reflector, ballast and lamp).
Recycle at your local collection agency.
For lamp disposals, visit www.lamprecycle.org
The new American LED Luminaire from Visionaire combines contemporary design with new LED technology; while maintaining a traditional fixture image. The LEDs Performance and Life are maximized by the unique integral aluminum heat sink built into the door frame. Maintenance of the drivers is simplified by making them easily accessible and provided with quick wiring connections.

72, 144 or 224 LEDs are available in 350 or 530 mA rating providing up to 33,000 lumens. Six optical distribution patterns are available and feature a unique Type T-4A automotive pattern for the front row of auto dealerships. Choose between 4000 or 5000 Kelvin temperature of the LEDs.

A durable Polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The American LED series is an exceptional choice for auto dealerships, shopping centers, commercial parking lots and general parking area lighting.
**Housing**
- All housings are manufactured using advanced computerized numerical control (CNC) machinery. Precision sheared and formed from one-piece, corrosion-resistant aluminum, with tooled external reveal.
- The computerized CNC machinery enables all American housings to be constructed quickly, efficiently and adhering to exacting ISO 9002 standards. All external hardware is stainless steel.

**Door Assembly**
- Removable hinged door assembly is CNC precision, sheared and formed from one-piece, corrosion-resistant aluminum with captive stainless steel fastener. The LEDs and drivers are mounted to an aluminum heat sink that is attached to the door frame.

**Optical System**
- The LED light assemblies come with up to 224 LEDs. Six IES distribution patterns are offered as standard; with a unique Type 4 Automotive optic available for Dealerships. The optical system qualifies as IES full cutoff; to restrict light trespass, glare, and light pollution.

**Quali-Guard® Finish**
- The finish is Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 millimeter thickness. Finish is oven-baked at 400°F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.

**Mounting**
- A rounded extruded aluminum, Bolt-On Arm (BOA), with an in-pole nut plate, securing (2) ½ inch zinc running bolts with stainless steel hardware is standard. A Round Pole Plate Adaptor (RPP) is required for mounting to 3" - 5" round poles.

**American LED LUMEN DATA**

<table>
<thead>
<tr>
<th># of LEDs</th>
<th>Kelvin</th>
<th>mA</th>
<th>Type 2 B U G</th>
<th>Type 3 B U G</th>
<th>Type 4 B U G</th>
<th>Type 5 B U G</th>
<th>Watts</th>
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</table>

Visit www.visionairelighting.com for the most recent chart information or visit www.visionairelighting.com for more complete chart information. *For 4000K multiply values by 0.90

**Electrical Assembly**
- The American LED Series is supplied with a choice of 350 or 530 mA high-performance LED drivers that accept 120 v thru 480v, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40°C operations.
- 10 kV surge protector supplied as standard.

**Warranty**
- Five (5) year Limited Warranty on entire system, including finish. For full warranty information, visit www.visionairelighting.com

**Options**
- Photocell & Receptacle
- Photo receptacle
- Button type photocell
- House side light shield
- Round pole plate adaptor
- Dimming Driver
- Motion Sensor
- Wireless Controls
Please consult factory for custom options.

**Listings**
- American is ETL listed, suitable for wet locations
- IP65 Rated
- LM79 and LM80.
- EISA compliant.
- RoHS compliant
- Powder Coated Tough™

DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. http://www.designlights.org/

**American LED Data**

<table>
<thead>
<tr>
<th>Fixture with Arm</th>
<th>EPA Data</th>
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<tr>
<td>AME-2</td>
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<tr>
<td>AME-4</td>
<td>3.4</td>
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19645 Rancho Way Rancho Dominguez, CA 90220
Tel: (310) 512-6480 Fax: (310) 512-6486
www.visionairelighting.com
The new American size 2 or size 4 LED Retrofit door frame allows for an easy conversion of any existing Visionaire American 2 or 4 HID luminaire, to LED technology for maximum energy savings. The LEDs performance and life are maximized by the unique integral aluminum heat sink built into the door frame. Maintenance of the drivers is simplified by making them easily accessible and provided with quick wiring connections.

Up to 224 LEDs are available in 350 or 530 mA rating providing up to 33,000 lumens. Six optical distribution patterns are available and feature a unique Type T-4A automotive pattern for the front row of auto dealerships. Choose between 4000 or 5000 Kelvin temperature of the LEDs.

The complete American LED fixture is also readily available for new construction opportunities where the traditional fixture look is required.

The American LED series is an exceptional choice for shopping centers, commercial parking lots, auto dealerships and general parking area lighting.

A durable Polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.
Lens and Door Assembly
- Removable hinged door assembly is CNC precision, sheared and formed from one-piece, corrosion-resistant aluminum with captive stainless steel fastener. The LED's and drivers are mounted to an aluminum heat sink that is attached to the door frame.

Optical System
- The LED light assemblies come with up to 224 LEDs. Six IES distribution patterns are offered as standard; with a unique Type 4 Automotive optic available for Dealerships. The optical system qualifies as IES full cutoff to restrict light trespass, glare, and light pollution.

Quali-Guard® Finish
- The finish is Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 millimeter thickness. Finish is oven-baked at 400°F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.

Electrical Assembly
- The American LED Series is supplied with a choice of 350 or 530 mA high-performance LED drivers that accept 120 v thru 277 v, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40°C operations.
- 10 kV surge protector supplied as standard.

Warranty
- Five (5) year Limited Warranty on entire system, including finish. For full warranty information, visit www.visionairelighting.com

Options
- Dimming Driver
- Cutoff Louver System
- Wireless Control

Please consult factory for custom options.

Listings
- American is ETL listed, suitable for wet locations
- LM79 and LM80.
- Power Coated Tough™

American Retrofit LED LUMEN DATA

<table>
<thead>
<tr>
<th># of LEDs</th>
<th>Kelvin</th>
<th>mA</th>
<th>Type 2 B</th>
<th>U</th>
<th>G</th>
<th>Type 3 B</th>
<th>U</th>
<th>G</th>
<th>Type 4 B</th>
<th>U</th>
<th>G</th>
<th>Type 4A B</th>
<th>U</th>
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<th>Watts</th>
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