Holophane has a rich history and tradition of providing unparalleled lighting systems for public lighting applications. While one of the key characteristics of Holophane luminaires has been our glass reflector/refractor - every luminaire we offer is also made for longevity and performance.

Working to attain the lighting objectives associated with the vast array of available outdoor applications, Holophane has developed luminaires with high performance optics that address required lighting levels, uniformity and environmental issues, while minimizing the number of poles and luminaires used to illuminate the space.

Our comprehensive product line allows Holophane to recommend ideal solutions effectively for all exterior lighting applications.

For over half a century, American Electric Lighting (AEL) has been recognized for high quality and reliability in outdoor, utility and infrastructure lighting.

AEL products include luminaires for roadway, industrial, commercial, area lighting, security and flood applications. Dark To Light has been a large part of our success by offering top-of-the-line photocontrols.

By remaining focused on the products that are dedicated to infrastructure, utilities and municipalities, our goal is to continue to provide the superior design, quality and reliability that our customers demand.
One Team - Multiple Solutions!

By combining efforts, Holophane and AEL present a thorough product selection that offers superior lighting performance, elegant design, durability, and ease of installation and maintenance.

Along with a widespread portfolio of products that provide long-term value to the end user, Holophane and AEL provide a complete solution to your lighting needs through additional services not found with any of our competitors. Not only do we offer access to our fully engaged and factory trained sales force, but you, the customer, are invited to take part in product training similar to what they receive.

What This Means for You ...

With this collective approach of expanded products and services, Holophane and AEL present a clear resolution to most any lighting application.

The following information will guide you through our complete offering of products and solutions for correctional facility outdoor applications.
LED Luminaires

Autobahn LED, ATB0 and ATB2

Economical cobrahead replacement with quality performance and quick payback. The Autobahn uses breakthrough LEDs and precision engineered optics to provide exceptional illumination while saving energy.

<table>
<thead>
<tr>
<th></th>
<th>ATB0</th>
<th>ATB2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Watts</td>
<td>26-71</td>
<td>69-280</td>
</tr>
<tr>
<td>Lumen Output</td>
<td>2,111 – 6,429</td>
<td>6,680 – 2,3240</td>
</tr>
<tr>
<td>Lumens Per Watt</td>
<td>74-101 LPW</td>
<td>80-104 LPW</td>
</tr>
<tr>
<td>Weight</td>
<td>14 lbs (6.35 kg)</td>
<td>21 lbs (9.53 kg)</td>
</tr>
</tbody>
</table>

Voltage: 120V, Multi-Volt 120-277V, 347, 480
CRT: 4000K, 5000K
CRI: 70 CRI minimum or 5000K, 65CRI

HMAO LED, High Mast Series

The innovative new Holophane HMAO LED uses a modular chip design to provide up to 25 years of operating life and up to 74% energy savings over traditional high mast products.

<table>
<thead>
<tr>
<th></th>
<th>7 Modules</th>
<th>11 Modules</th>
<th>14 Modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Watts</td>
<td>284</td>
<td>437</td>
<td>551</td>
</tr>
<tr>
<td>Lumen Output</td>
<td>22,049</td>
<td>34,962</td>
<td>41,934</td>
</tr>
<tr>
<td>Lumens Per Watt</td>
<td>78 LPW</td>
<td>80 LPW</td>
<td>76 LPW</td>
</tr>
<tr>
<td>Weight</td>
<td>73 lbs (33.11 kg)</td>
<td>77 lbs (34.92 kg)</td>
<td>80 lbs (36.28 kg)</td>
</tr>
</tbody>
</table>

Voltage: 120V, Multi-Volt 120-277V, 347, 480
CRT: 4000K, 5000K
CRI: 70 CRI minimum or 5000K, 65CRI

Wallpack LED

With energy savings up to 77% and expected service life of over 20 years, the Wallpack LED provides you the latest lighting technology from the company that introduced the very first Wallpack to the market.

<table>
<thead>
<tr>
<th></th>
<th>W4G</th>
<th>W4P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Watts</td>
<td>39-105</td>
<td>26-66</td>
</tr>
<tr>
<td>Lumen Output</td>
<td>2,559 – 6,303</td>
<td>1,614 – 4,386</td>
</tr>
<tr>
<td>Lumens Per Watt</td>
<td>60 – 68 LPW</td>
<td>62 – 70 LPW</td>
</tr>
<tr>
<td>Weight</td>
<td>28 lbs (12.7 kg)</td>
<td>15 lbs (6.8 kg)</td>
</tr>
</tbody>
</table>

Voltage: 120V, Multi-Volt 120-277V, 347, 480
CRT: 4000K, 5000K
CRI: 70 CRI minimum or 5000K, 65CRI

Floodlight LED

Holophane and AEL will introduce the Floodlight LED in the summer of 2013.

- LED Energy Savings
- Long System Life
- Multiple Lumen Packages
- Controls Integration
- Clear or Prismatic Glass
- Sustainable Solutions
Since 1970, Holophane has been the most reliable supplier of high mast systems in the world. Holophane has the largest established base of high mast systems in the industry, with over 40,000 installed worldwide. Holophane stands behind every lowering device it has supplied, from the first systems installed in the early 1970’s to today’s installations at major ports, highways, correctional facilities, railroads and many other applications around the world.

Complete, Self Contained System All electrical connections are provided at ground level for easy maintenance

Ground-Level Testing The weather-tight, ring mounted power inlet enables the system to be energized and tested at ground level

Full-support latching Pole top latching removes all weight from the cables, ensuring long cable life.
Wireless Networking & Controls

Remote Operations Asset Management (ROAM) is a revolutionary wireless monitoring solution that is specifically designed to address the complexity and cost of owning and operating an outdoor lighting system. ROAM addresses the total life cycle of ownership and operation including on-going maintenance, material utilization, resource optimization and vendor performance.

ROAM uses an intelligent photocontrol with an embedded wireless communication chip. The photocontrol is backward compatible with light fixtures featuring a locking type receptacle. Installing the ROAM photocontrol is as simple as removing the existing photocontrol and replacing it with a ROAM-enabled intelligent photocontrol.

- Wireless Network
- Secure Data Management
- Increase Site Security

- Reduce Energy Costs
- Reduce Maintenance Costs
- Reduce Carbon Emissions

Product Depth & Experience

With decades of experience in outdoor lighting for correctional facilities, Holophane and AEL have both the experience and depth of both LED and traditional HID product lines to suit every need. As shown below, our LED products are complimented by a comprehensive collection of traditional HID products ranging from High Mast luminaire systems to cobraheads, floodlights and a variety of other correctional and infrastructure products. Regardless of your specific need or desired lighting technology, we can identify and provide you the optimal solution.

- HMAO™ (High Mast Advanced Optix)
- AEL Cobrahead Series
- Holophane Mongoose
- Floodlighting solutions
- Security Cameras & WiFi
- Lowering Devices, Controls and more!
Products made for the prison setting must answer to a level of quality standards for beyond the norm. Simply put, they must be virtually indestructible. Lighting products are especially at risk because they are exposed. Everything about a fixture, then, must be carefully designed for potential maximum impact while providing the amount of light required for safety and security.