Illuminating a cell is perhaps the most challenging task in a correctional facility. Cells are often unsupervised, inmates occupy the cell for long periods of time, and often the luminaires are within reach. This robust luminaire must supply precise optical control and also be built to demanding standards. Being able to withstand potential abuse and also prohibit the concealment of contraband are minimum requirements.

Dayrooms

Medium to high mounting heights are typical in dayrooms. Often in supervised areas, these luminaires should have the flexibility to be surface or pendant mounted, individual or continuous row. Though not within reach, polycarbonate lenses and tamper resistant hardware are preferred. Varying lumen packages for different mounting heights and illumination requirements is a necessity.

Corridors

Several different ceiling systems are used in corridors, depending on the security level. Recessed luminaires are available for use with a standard hard ceiling, a security ceiling, or a grid ceiling. Low profile surface mount fixtures are also available. Choose from 1′ wide fixtures for narrow corridors, or up to 2′ width for larger corridor areas. Several levels of illumination and durability are available.

Kitchens/Dining

Kitchen and dining areas are supervised areas, though the luminaires still require a degree of robustness. Additionally, the luminaires must withstand potential moisture and abuse in the food processing area, often requiring wet location, NSF listing, stainless steel, and security lensing and hardware. The dining area is typically higher mounting heights and less prone to abuse, often surface or pendant mounted, individual or continuous row.

Healthcare Exam Rooms

Often supervised areas, healthcare areas of the correctional facility must take into account potential abuse. Luminaires will be subject to patients who are potentially mentally or physically unstable, thus requiring security lenses, rugged material, and tamper resistant hardware – all while providing exam, ambient, and reading illumination.

Recreational

Typically supervised areas in the interior and exterior, recreational facilities are important to the overall physical and mental well-being of the inmate. Typically mounted 20′ and above, the luminaires still must withstand potential abuse from a variety of sports-related objects, while offering a variety of illumination levels. Whether surface or pendant mounted in the exterior, or pole or wall mounted on the exterior, Eaton Lighting Solutions has the product for your challenging needs.

Fail-Safe LED product features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear polycarbonate lens up to ½&quot; thick</td>
<td>Irretrievable blade trap design for all clam-shell housings</td>
</tr>
<tr>
<td>Clear tempered glass up to ½&quot; thick</td>
<td>Piano hinge doors are one-piece, fully continuous</td>
</tr>
<tr>
<td>Cold rolled steel up to 12GA (0.105&quot; thick)</td>
<td>Aircraft cables for door attachment are 0.125&quot; thick</td>
</tr>
<tr>
<td>Stainless steel up to 12 GA (0.105&quot; thick)</td>
<td>Removable gear trays available</td>
</tr>
<tr>
<td>Dimmable LED night lights available</td>
<td>Surface mount products are weld and ground smooth</td>
</tr>
<tr>
<td>Stainless steel tamper proof hardware</td>
<td>Exposed hardware is recessed, to resist unauthorized entry</td>
</tr>
<tr>
<td>All metal parts painted after fabrication</td>
<td>Every product 100% electrically tested for superb reliability</td>
</tr>
<tr>
<td>Lens secured by 14GA steel hold-downs and 10-24 nuts/bolts</td>
<td>Color temperatures 3000K, 3500K, 4000K, 5000K, CRI &gt; 85</td>
</tr>
<tr>
<td>Anti-microbial matte white paint finish available</td>
<td>Standard 0-10V dimming driver</td>
</tr>
</tbody>
</table>
Cells, Washroom
- 8-1/2” x 8-1/2” size for inconspicuous placement in the corner
- Directed illumination for optimal horizontal and vertical illumination
- One-piece clamshell housing
- Wet location under covered ceiling
- 2’ and 4’ lengths
- Over 6,000 delivered lumens available
- Linear LED dimmable night light
- 12GA to 18GA material thickness
- Stainless steel, painted or brushed

Cells, Sally Port, Corridors
- 1’ x 1’ to 2’ x 4’ sizes for use in a variety of applications
- Low profile 3-1/2” depth for use in various ceiling heights
- Up to 3/8” thick tempered glass or 1/2” polycarbonate for maximum security
- One-piece housing with standard continuous piano hinge
- Wet location under covered ceiling
- Over 12,700 delivered lumens in the 2’ x 4’ size
- Linear LED dimmable night light

Cells, Corridors
- Sleek, four-sided slope design combines style with function
- 3-1/2” depth for use in low to medium ceiling heights
- 1’ x 2’ and 1’ x 4’ sizes
- Fully concealed piano hinge leaves no exposed parts for weapon fabrication, facilitates maintenance
- Back plate forms an irretrievable blade trap to present contraband concealment brushed

Cells, Sally Port, Corridors
- Sizes ranging from 1’ x 1’ to 2’ x 4’
- For use with grid ceilings (FSR) and hard ceilings (FMR)
- Full door is positioned between the grid / ceiling and the fixture, preventing unauthorized entry
- Two heavy-duty stainless steel aircraft cables attach the door to the fixture
- Wet location under covered ceiling. Damp location standard
- Stainless steel available, painted or brushed, up to 12GA thick

Cells
- Three window panel design allows for multiple level switching for a variety of uses
- Over 17,000 delivered lumens allows for use in high ceiling heights
- Broad distribution to maximize spacing and achieve optimal foot-candle levels
- 2’ and 4’ lengths
- Wet location under covered ceiling. Damp location standard
- Available up to 12GA outer shell, steel or stainless steel

Dayroom, Warehouse, Laundry, Kitchen, Recreation Indoor, Classroom, Library
- Surface, ceiling or wall mount, available in 8” or 12” width
- Matte white paint standard
- Curved, frosted polycarbonate lens for beauty and vandal resistance
- Die-cast flat or rounded end caps provide function and aesthetics
- 2’, 4’, and 8’ lengths
- Wet location under covered ceiling. Damp location standard
- IP64 ingress protection rating available
- Aluminum housing and ends for corrosion resistance and durability
Fail-Safe has been a pioneer in correctional lighting and continues to lead the way with innovative products and energy-saving solutions. Exceptional performance and structural integrity are designed into every luminaire to ensure long-term value and durability. Fail-Safe’s unmatched product breadth meets a wide range of security levels and confinement applications including cells, dayrooms, corridors, medical service areas, kitchens and lighting controls.

**Fail-Safe | Correctional**

- Purposeful design eliminates sharp corners to maximize impact resistance
- Back plate forms an irretrievable blade trap to prevent contraband concealment
- LED up/down divider allows separate up/down illumination
- Clamshell design allows for seamless front and prevents unauthorized entry
- 2’ and 4’ lengths
- Wall or ceiling mount applications
- Up to 12,000 delivered lumens, 6,000 up and down, for a host of foot-candle levels

**Fail-Safe | Vandal Resistant**

- Purposeful design eliminates sharp corners to maximize impact resistance
- Back plate forms an irretrievable blade trap to prevent contraband concealment
- LED up/down divider allows separate up/down illumination
- Clamshell design allows for seamless front and prevents unauthorized entry
- 2’ and 4’ lengths
- Wall or ceiling mount applications
- Up to 12,000 delivered lumens, 6,000 up and down, for a host of foot-candle levels

**Meeting the challenges of correctional lighting**

Fail-Safe has been a pioneer in correctional lighting and continues to lead the way with innovative products and energy-saving solutions. Exceptional performance and structural integrity are designed into every luminaire to ensure long-term value and durability. Fail-Safe’s unmatched product breadth meets a wide range of security levels and confinement applications including cells, dayrooms, corridors, medical service areas, kitchens and lighting controls.
Lighting needs in correctional applications can be diverse and require a wide range of product needs and constructions. The security level needs are based on specific lighting applications within the facility and the amount of supervision available. Products need to not only provide proper illumination but must be designed to withstand the tough environment while still being easy to maintain and install.

- Downward distribution, or up/down distribution
- 3-3/4” deep to minimize impact and satisfy ADA compliance
- Wall or ceiling mount
- 18”, 24”, and 48” lengths
- Dedicated LED up/down divider for independent switching
- Dedicated back pan for installation ease and contraband prevention
- 14GA or 16GA housing, polycarbonate lens up to 3/8” thick

- Full front polycarbonate lens for maximum protection
- Three lumen packages for varying mounting heights / applications
- Opal or clear polycarbonate lens
- IP65 ingress protection standard
- Tamper proof stainless steel hardware standard
- High Ambient option
• 1' x 4', 2' x 2', and 2' x 4'
• Recessed architectural vandal resistant, sealed and gasketed luminaire
• Wet location under covered ceiling
• IP65 ingress protection
• Clear polycarbonate lens up to 3/8" thick for impact resistance
• Continuous piano hinge available. Two aircraft cable lanyards standard
• NSF listing
• Tamper-proof hardware available to prevent unauthorized entry

Fail-Safe | Vandal Resistant / Healthcare

• 2' x 2' and 2' x 4' sizes for recessed ceiling applications
• Ambient, exam, and reading functions
• Low voltage relay for patient control of the reading and ambient functions
• Anti-microbial finish
• Vandal resistant door, incorporating up to 3/16" thick clear polycarbonate lens
• Tamper-proof hardware available to prevent unauthorized entry
• One or two LED reading lights

• 2' x 2', 2' x 4', 1' x 4', and 1' x 2'
• Clear polycarbonate lens to 0.250" thick
• Lens is attached to fixture with high bond adhesive
• IP66 rated, wet location under covered ceiling
• NSF rating available

Fail-Safe | Vandal Resistant / Healthcare

• 1,000, 1,500, 2,000, and 3,000 lumen packages
• Extended trim flange with countersunk holes attaches trim to plaster frame
• Reflector available in specular aluminum or matte white painted aluminum
• IP65 ingress protection
• Polycarbonate lens
• Tamper-proof screws attach the trim to the plaster frame

Fail-Safe | Vandal Resistant / Healthcare

• 1,000, 1,500, 2,000, and 3,000 lumen packages
• Stylish bottom trim ring constructed from heavy-duty steel
• Stainless steel bottom trim ring
• IP66 ingress protection
• Polycarbonate up to 7/16" thick for maximum protection
• Tamper-proof hardware attaches trim ring to the plaster frame

• 11" round in 15, 20, and 25 watt lumen packages
• 15" round in 20, 30, and 40 watt lumen packages
• 18" round in 50, 65, and 80 watt lumen packages
• Polycarbonate lens and front cover for maximum protection against abuse
• Variety of face plates for many different design intents
• Emergency battery packs, photocells, occupancy sensors
• Custom colors
**Lumark** | **Floodlight**
---
- Lumen packages are ideal replacements for T5HO, T8 or T12 applications
- Excellent performance with lm/W, ranging up to 116 lm/W
- 8 ft., 4 ft. and 2 ft. product configurations
- Three sensor options available (SWLED)
- 0 to 10V digital driver (standard), optional DALI options
- Three CCT options: 3500K, 4000K, 5000K
- Ideal for surface, suspended and wall applications

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**Metalux** | **Commercial / Industrial**
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- Die-cast aluminum housing, driver compartment and driver door
- Replaces up to 400W equivalent metal halide
- Two Lumen Packages, Nominal 14,600 lumens and 9,400 lumens
- 6H x 6V NEMA Wide Distribution
- Standard 4,000K CCT, minimum 70 CRI
- 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation

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**Lumark** | **Area / Site**
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- 2’ x 2’, 2’ x 4’, and 1’ x 4’
- Efficacy up to 132 lm/W
- Advanced optical control married with contemporary styling
- Optional integrated sensor system for occupancy and daylight harvesting
- Four CCT options: 3,000K, 3,500K, 4,000K, and 5,000K at 85 CRI
- Four stocked lumen packages offered along with multiple MTO options
- Standard 0-10V continuous dimming driver (120-277V)

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**Galleon** | **Industrial**
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- Choice of 16 high-efficiency, patented AccuLED Optics™
- L90, 60,000 hours at 40°C (IESNA TM-21)
- Standard in 4000K CCT and min 70 CRI, optional 3000K and 6000K
- 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation

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**Prevail** | **Industrial**
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- Low profile, die-cast aluminum housing
- Type II, III, IV, and V Distributions
- Three lumen packages, up to 15,500 lms
- Replaces up to 400W equivalent metal halide
- 50°C high ambient option
Lighting Product Lines
- Halo
- Halo Commercial
- Portfolio
- Iris
- RSA
- Metalux
- Corelite
- Neo-Ray
- Fail-Safe
- MWS
- Ametrix
- Shaper
- io
- Lumark
- McGraw-Edison
- Invue
- Ephesus
- Lumière
- Streetworks
- AtLite
- Sure-Lites

Controls Product Lines
- Greengate
- iLumin
- Zero 88
- Fifth Light Technology
- iLight (International Only)

Connected Lighting Systems
- LumaWatt Pro
- WaveLinx
- Distributed Low-Voltage Power
- ConnectWorks