

ACCUTECH 300308

Visual Strobe Light | Centralized Wander Management Infrastructure Hub



PRODUCT OVERVIEW

The Accutech 300308 Visual Strobe Light serves as a core hardware intelligence component within advanced wandering management and resident safety infrastructures. It is engineered to bridge the gap between physical perimeter sensors deployed at facility exits and localized control monitoring stations. By aggregating and processing automated security alerts and high-visibility flashing indicators from protected boundaries, it eliminates the operational complexity of managing individual entry points. This centralized topology ensures that large-scale senior care, nursing home, memory care, and hospital facilities maintain instantaneous, real-time situational awareness.

Deployed directly at primary access points, high-traffic exit zones, quiet corridors, and spaces with elevated ambient noise levels, the 300308 module channels intensive visual alerts to capture the immediate attention of floor staff. This proactive routing method eliminates communication bottlenecks and guarantees that complex localized actions—such as authorized staff bypass, secure visitor access, and localized security overrides—are instantly synchronized with perimeter sensors during critical safety events. This active tracking processing ensures absolute protection across expansive hospital wings, long care facility corridors, and high-risk infant protection zones by safeguarding exposed external egress routes from environmental wear and unauthorized passage.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

- **System Infrastructure:** The contractor shall supply, install, and configure the Accutech 300308 Visual Strobe Light to act as the primary external security access control and localized override node. The hardware must support direct integration configurations to synchronize active bypass states and real-time visual alarm triggers directly with peripheral zone controllers.
- **Healthcare Environment Protection:** The remote visual alert assembly shall incorporate a durable, commercial-grade structural design explicitly engineered to sustain continuous clinical exposure, operating reliably across extreme temperature variations, direct moisture impacts, and high-humidity indoor settings.
- **Access and Control:** The device physical interface shall feature a heavy-duty, highly efficient high-intensity strobe layout to allow authorized clinical staff, security personnel, and facility supervisors to execute localized door bypass commands and alarm resets directly at the security boundary.

- **Enclosure and Durability:** The visual light emitter and internal driver circuit assembly shall be protected inside a ruggedized, vandal-resistant commercial-grade housing optimized for flush-mount or surface-mount terminal configurations on walls, ceilings, or architectural junction boxes.
- **System Interoperability:** The visual strobe notification architecture must feature validated native compatibility for direct low-voltage data connection with Accutech environmental safety platforms, ensuring non-latent signaling and secure credential validation across the facility's dedicated security network.

SYSTEM COMPONENTS

The 300308 Visual Strobe Light incorporates several fundamental integrated sub-modules and physical connection layouts:

- **Conformal-Protected Flash Driver Array:** The primary internal flash tube/LED module and timing circuit assembly coated with protective compounds to isolate electrical components from moisture and dust intrusion.
- **High-Efficiency Optical Lens Diffuser:** Ruggedized, high-durability external prismatic cover engineered to achieve wide coverage and maximize light dissipation across large areas or from different angles.
- **Wander System Sync Interface:** Integrated low-resistance terminal interface lines dedicated to managing secondary loop paths, synchronization lines, or input power leads safely from the parent controller board.
- **Low-Voltage Hardware Backplane:** Multi-position mechanical terminal layout designed for clean, reliable power routing and hardwired circuit line termination.
- **Vandal-Resistant Outer Case Shield:** Heavy-duty commercial-grade protective housing providing absolute structural impact protection and versatile surface placement.

FEATURES AND BENEFITS

- **Centralized Boundary Awareness:** Consolidates system alarm indicators and transmitter event states down to a high-visibility visual focal point, greatly simplifying hardware footprints and reducing response times for clinical teams.
- **High-Intensity Bright Output:** Emits a powerful, attention-grabbing flash designed to instantly notify personnel of security breaches or elopement alerts in real time.
- **Optimized for High-Noise Spaces:** Delivers an effective, reliable warning path in environments where audio alerts might not be sufficient, ensuring complete situational awareness in spacious or crowded wings.
- **Workflow Workload Reduction:** Built using dependable, low-maintenance structural components and energy-efficient elements that lower long-term operating costs and reduce workspace hazards.
- **Validated Platform Interoperability:** Engineered for total out-of-the-box compatibility with established Accutech ResidentGuard security environments, ensuring a unified approach to facility patient protection.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	High-Intensity Visual Strobe Light Component
Part Number / SKU	300308
Visual Signaling Technology	High-Intensity Flash Tube / LED Visual Alert Matrix
Enclosure Protection Ratingposition	Tamper-Resistant Shell / Indoor Controlled-Environment Seals

Power Supply Setup

Low-Voltage DC Input (Synchronized via Parent Wander Management Panel)

Interface Link Mechanism

Wired Terminal Connections for Power, Ground, and Alarm Logic Synchronizations

Mounting Options

Versatile Wall, Ceiling, or Surface Junction Box Adaptations

Primary Target Environments

Healthcare Facilities, Senior Living Centers, Quiet Zones, High-Noise Areas

COMPLIANCE AND CERTIFICATION

- **FCC Status:** Designed and certified to meet FCC Part 15 regulations regarding digital device shielding. This guarantees that multi-zone switching and internal visual pulse lines do not cause or sustain harmful electromagnetic interference with nearby diagnostic medical devices or critical patient networks.
- **UL Listing:** Engineered and assembled using components compliant with UL safety classifications for low-voltage signal appliances, exterior access control equipment, and healthcare facility alert instrumentation.
- **RoHS Compliance:** Formulated in alignment with environmental protection directives, ensuring that the visual assembly, internal driver circuits, plastic composites, and connection lead configurations restrict the use of lead, mercury, and other hazardous materials.