Smarter Security

DATA SHEET

ENHANCED SECURITY & TRAFFIC FLOW

GG155 | GG155 | GG200 | GG250 | GG300 | GG400 | GLASSWING



Barrier turnstiles

# Fastlane® **Glasswing**

| Product Features | Glasswing |
|---|---|
| Elliptical End Compact | 59.1” x 12.1” x 37.8” (1501 x 307 x 960mm) |
| Square End Compact | 49.3” x 12.1” x 37.8” (1252 x 307 x 960mm) |
| Elliptical End Standard | 59.1” x 14.6” x 37.8” (1501 x 371 x 960mm) |
| Square End Standard | 49.3" x 14.6" x 37.8" (1252 x 371 x 960mm) |
| Elliptical End Wide | 59.1” x 17.8” x 37.8” (1501 x 452 x 960mm) |
| Square End Wide | 49.3” x 17.8” x 37.8” (1252 x 452 x 960mm) |
| Available Lane Widths | 21.7” / 26.0” / 36.0” ADA (551 / 660 / 914mm) |
| Barrier Heights | 36.5” (927mm) |
| Brake Strength | ≥ 25N |
| Tailgate Detection | 1/4” (5mm) |
| Throughput | 1 per second |

## Fast Acting “Angel Wing” Barriers

Fastlane Glasswing is an optical turnstile with retracting glass barriers, uniquely available in three widths. It combines advanced optical technology with elegant wing-shaped barriers for rapid throughput and intelligent tailgate detection. With Fastlane, security has never looked so inviting.

### Advanced Security Technology

Utilizing cutting-edge optical detection technology for unparalleled accuracy and safety.

- **32-beam** high-resolution infrared matrix
- Detects tailgaters as close as **1/4” (5mm)** apart
- Can differentiate between body mass and smaller objects

### User-Friendly Design

Engineered for quick acceptance and smooth operation in high-traffic areas.

- Glass barrier retracts into the pedestal.
- Automatic local alarm for unauthorized entry
- Fire alarm integration for emergency egress

### Flexible Integration

Seamlessly connects with existing building systems for comprehensive security management.

- Compatible with Access Control, CCTV, and building management systems
- **Fastlane Connect™ ethernet communications** for remote control and diagnostics that enables Web-based turnstile control from any PC, tablet, smartphone, or from Fastlane’s Multilane Controller.
- Optional visitor management input

### Sustainability

- LEED Preferred Manufacturing
- Low Voltage/Low Power Consumption
- ISO 14001:2015 Accreditation

PINPOINT ACCURACY

**Smart detection reduces false alarms**

- Differentiates body mass from smaller objects
- Provides instant feedback of traffic flow and incidents

UNSURPASSED THROUGHPUT

**Lower costs, higher ROI**

- High processing speed reduces traffic build-up
- Door-like motion ensures quick user acceptance

SUPERIOR DESIGN

**Elegant designs accentuate lobby**

- Glass barriers provide secure and welcome entry
- Barriers open flush with the pedestal, minimizing footprint

FIELD PROVEN RELIABILITY

**Maximized uptime boosts profitability**

- Fewer failures mean lower repair costs
- Online diagnostics and support packages

## Durability and Reliability

Built to last, ensuring long-term performance and minimizing maintenance needs.

- In normal use, **10,000,000 cycles of operation**
- High-quality construction for lower whole-life costs
- Reduced failures and repair costs

## Customizable Options

Adaptable to various architectural styles and accessibility requirements.

- **Finishes:** Wide range of metal colors, textures, and wood-like options.
- **Glass Barriers:** Custom graphics, logos, or decorative accents available.
- **Tops:** Available top options include glass, stone, metal, and more.

## Certifications (power supply only)

- UL 60950-1
- CSA C22.2 No. 60950-1-07, second edition
- UL 2593 certified*

## Accessories

- Fastlane Floor Protector
- Fastlane Infill System
- Multiple desktop controls - IP or Analog
- FastScan™ Tenant/Visitor System
- Multiple Reader Mounting Options
- FastCmd™

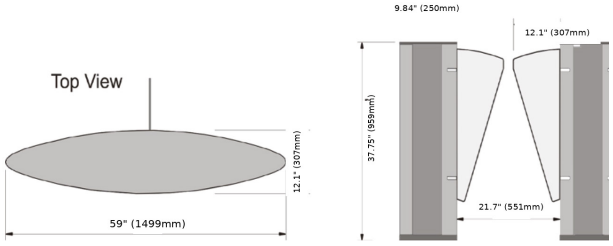
Please see Fastlane accessories data sheets for additional details.

DETAILS

### Fastlane Glasswing dimensions

(standard, narrow, elliptical ends, single turnstile)

Please see the Glasswing Drawing Pack for additional details.




FASTLANE GLASSWING TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Enclosure material | Stainless steel 304, 240 grit (satin no. 4), horizontal grain |
| Pedestal Weight | **Compact** 176lbs / 80kg **Standard** 242lbs / 110kg<br>**Wide** 264lbs / 120kg |
| Barrier material | 10mm Toughened Safety Glass BS EN12150 |
| Barrier breakaway force | ≥ 25N |
| Optional Locking System | Solid lock, no breakaway function |
| **Environmental** | |
| Temperature | 41 to 122°F (5 to 50°C) |
| Relative humidity | 5 to 95% non-condensing |
| Energy consumption per lane | 295kW hours per annum |
| Ingress protection | IP20 (Internal building applications only) |
| **Turnstile Power Specifications** | |
| Receive Gate / Transmit Gate | 24Vdc 1.3A (max) |
| Dual Gate Interlane | 2x 24Vdc 1.3A (max) |
| **24Vdc Power Supply (Included)** | |
| Enclosure | Black mild steel, wall mounted, 13" x 8" x 5.5"<br>(330 x 203 x 140mm) |
| Modules | Dual or quad 24Vdc 2.5A overcurrent fold back |
| Input voltage | 100-240Vac, 60/50Hz, 5A fused spur connection |
| Outputs | 24 V DC, 60 W, 1.25 A |
| **Access Control Inputs** | |
| Voltage-free contact;<br>1mA current sense | Entry & Exit request (NORMALLY OPEN closing for 1 second) |
| Screw terminal connector | Visitor entry (NORMALLY OPEN momentary closing contact) |
| Max conductor CSA 16AWG/ 1.5mm2 | Visitor exit (NORMALLY OPEN momentary closing contact) |
| Fire panel integration input | Opto-coupled Input12-24Vdc @ 25mA nominal |
| Ethernet connection | RJ45 TCP/IP Port |
| **Access Control Outputs** | |
| Voltage-free contact; Contact Rating 28Vdc 0.5A | Entry & Exit monitor (NORMALLY CLOSED opening for 1 second) |
| Screw terminal connector | Alarm 1 (NORMALLY CLOSED opening for 1 second) |
| Max conductor CSA 16AWG/ 1.5mm2 | Alarm 2 (NORMALLY CLOSED opening for 1 second) |
| **System Outputs** | |
| Turnstile status display | RGB LED diffused through 10mm high clear frosted acrylic |
| Alarm sounder output | 75 – 100 dB (93dB at 1 meter) |

- In normal use, 10,000,000 cycles of operation is expected before electromechanical subassemblies may require replacement as part of an approved preventative maintenance program.
- Fastlane logo present on left-most pedestal base. Removal available upon request.
- Due to continuous improvements, specifications are subject to change without prior notice.

* UL 2593 certification is available for turnstiles upon request



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