TURNSTILES.us™
SECURING THE U.S. and the GLOBE
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PRODUCT
Data Sheet

OBSG–LG

Optical Barrier Swing Glass–Low Glass

TURNSTILES.us and Orion Entrance Control offer a variety of aesthetically pleasing, high security speed lanes that best suit your individualized lobby needs.

The **Optical Barrier Swing Glass Low Glass** speed lane comes with 3/8 inch (9 mm) clear tempered "No Touch" swinging glass. The clear view barriers keep the clean look of the lobby while meeting the highest security standards.

The standard finish is brushed Stainless Steel with horizontal grain, and a Corian top.

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Method of Operation
When a person approaches the speed lane for entry, they present an access card or credential to the access control card reader. The reader is typically mounted inside the pedestal, under the Lane Status Indicator or LSI. If the credential is valid, entry is authorized. The top-mounted LSI will change to a green arrow pointing in the authorized direction. A confirmation tone will sound, giving the user both an audible and visual notification that they may pass through the speed lane. The barrier will move in the direction of travel away for the user. A visual red "X," displayed on the LSI and an audible alarm signifies an invalid entry or a tailgating attempt.

Optical Detection
20 pairs (40 sensors) of industrial duty red LED photoelectric beams that are linked to the Primary Input/ Output board. The board has a 32-bit microprocessor for faster speed.

Throughput
One person/second. (Subject to access control outputs).

Tailgate Detection
The system recognizes patterns of movement through the lane to differentiate between a person pushing or pulling an item and a person attempting to piggy back on a valid entry. Beam scanning algorithmic pattern detection allows valid users of the lane to be within ¼ inch.

Bi-directional Card Stacking
For increased throughput the system is capable of receiving up to 99 authorized access credits. Barriers don't need to close between transactions and will remain in the open position until all of the credits are used. If all credits are not used or after 5 seconds of inactivity the system resets and secures the lane. Credit stacking is active in both directions simultaneously.

Sound Card
The Orion Sound Card emits 4 different tones via an 8 ohm speaker to indicate lane status, i.e.: valid transaction/enter, invalid card/intrusion, crawl/ climb, or tailgate attempt. Digitally controlled, the Sound Card allows for volume adjustment on-board or via the Infinity Remote Lane Controller.

Power
Dedicated 120V 15A circuit must be provided/four lane maximum per circuit.

Reader Integration
Mounting options for proximity and bar code card readers are located at each end of the pedestal, just under the LSI array. Upon request, Orion Entrance Control, Inc., can integrate a variety of other readers (barcode readers, swipe readers, ebiometric readers, etc.) and access control solutions at both ends of the speed lane. We can also recommend a single device reader that provides the ability to read bar codes, QR codes, proximity cards, and I class cards.

Lane Status Indicators
LED arrays are fitted into the pedestal tops, one for each direction, to visually assist the user when passing through the lane. Can also be front mounted, if desired.

Crawl Under Detection
Beams detect barrier arm crawl-under attempts as low as 10 inches from the floor and will trigger a visible and audible alarm and appropriate trigger signal to the access control system.

Safety Features
Barriers will remain in closed position and must be manually moved to exit direction and will remain in that state until power is restored. Once power is restored, barriers will return to closed position.

Warranty
Three (3) year return-to-factory warranty on all electrical components.

AVAILABLE OPTIONS

Infinity Remote Lane Controller Software IRLC-SW
Orion's Infinity Remote Lane Control Software is user friendly, intuitive and maximizes speed lane speed lane performance. IRLC-SW offers support for end users and integrators including advanced alarm type display, technical diagnostic service tools, lane beam status, I/O status, and on-the-fly volume adjustment. **IRLC-SW data sheet HERE.**

Infinity Remote Lane Controller-Surface Pro IRLC-SP
Manage your IRLC-SW with a Microsoft Surface Pro 4 Tablet in an Armodilo case. **IRLC-SP data sheet HERE.**

Infinity Remote Lane Control Touch Screen (IRLC-TS-15 or IRLC-TS-24) The Infinity Remote Lane Controller-Touch Screen allows access to lanes via a desktop touch screen PC. Available in a 15- or 24-inch display.
IRLC-TS-15 data sheet HERE.
IRLC-TS-24 data sheet HERE.

Remote Lane Controller-Push Button RLC-PB
Allows security personnel access to lanes via desktop controller. A red LED indicates lanes in alarm and allows security personnel to acknowledge alarms, grant visitor access, reset barriers, and disables lanes. **RLC-PB data sheet HERE.**

Climb Over Detection
Utilizes load cell technology to detect an intruder attempting to climb on or over the pedestal top to gain entry into the building.

Optical Lane Mounting Platform
The Optical Lane Mounting Platform (OLMP) allows pedestals to be mounted and wired without having to be drilled into the floor. OLMP data sheet HERE.

Logo Printing on Glass
Your logo or art is Dip-Tech printed on the glass panels.

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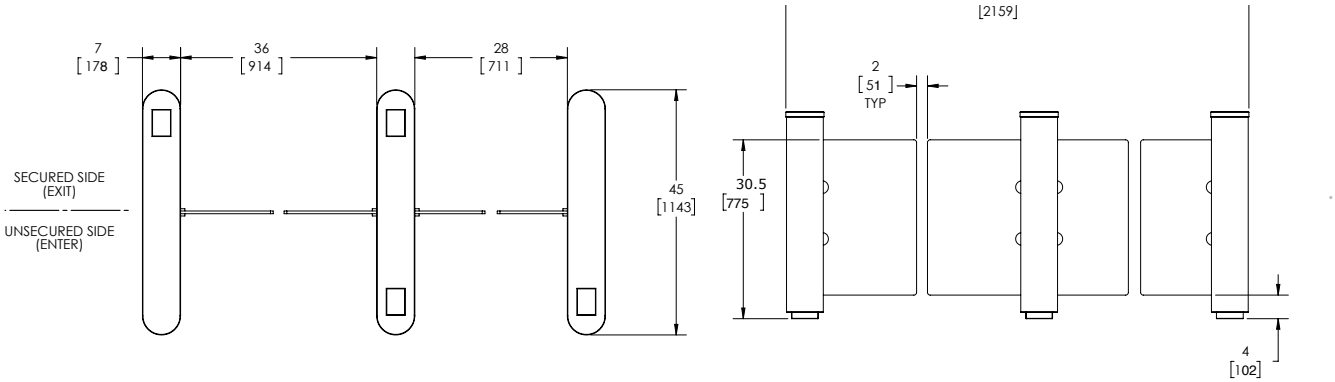

TYPICAL
OBSG-LG, ROUND ENDS
ONE 28" STANDARD LANE
ONE 36" ADA LANE
2 LANE 3 PED

Technical Data

	Standard Inch	Standard MM	ADA Inch	ADA MM
Lane Width	28	711	36	914
Pedestal Height	38	965	38	965
Pedestal Length With Rounded Ends	45	1143	45	1143
Pedestal Length With Flat Ends	42	1067	42	1067
Pedestal Width	7	178	7	178
Glass Height Available AFF	30.5	775	30.5	775

Certifications

ETL Certified
UL Subject 2593
CSA Certified
CE Certified