



# PRODUCT

## Data Sheet

### SLPO 24

#### Slim Line Pure Optical 24



**Orion Entrance Control, Inc.**, offers a variety of aesthetically pleasing, high security speed lanes that best suit your individualized lobby needs.

The **Slim Line Pure Optical 24** speed lane system is a slimmer version of the Pure Optical speed lane. This is a 6 beam single direction, single detection lower level security turnstile.

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. A visual red "X," displayed on the LSI and an audible alarm signifies an invalid entry or a tailgating attempt.

#### Optical Detection

Industrial duty red LED photoelectric beams 40 linked to Primary Input/output Board - 32-bit microprocessor.

#### 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 over, 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, biometric 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 Detection

Beams detect 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

Equipped with FACP Mode when activated, LSI indicates free passage in both directions in the event of a fire system emergency. The lanes will automatically restore when system is reset.

#### 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 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 Armadillo 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 light indicates lanes in alarm and allows security to acknowledge alarms, grant visitor access, reset barriers, and disables lanes. [RLC-PB data sheet HERE.](#)

#### Climb Detection

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

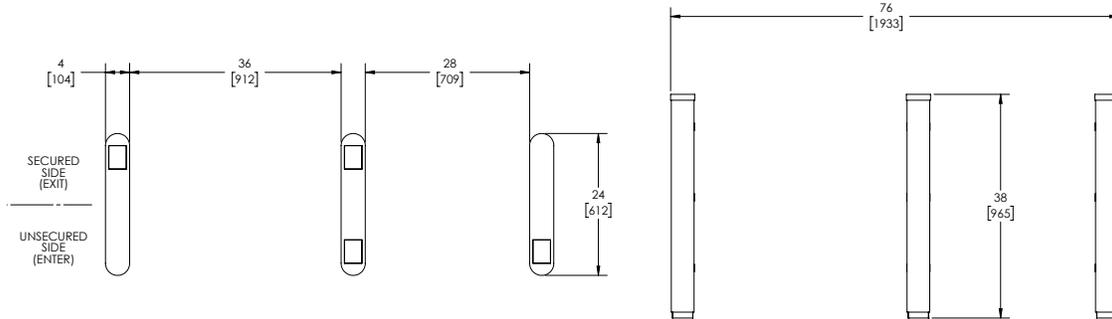
#### Optical Lane Mounting Platform

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.](#)

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SLPO-24, ROUND ENDS  
ONE STANDARD LANE  
ONE ADA LANE  
2 LANE 3 PED

### Technical Data

	Standard Inch	Standard MM	ADA Inch	ADA MM
Lane Width <i>Optional lane widths available from 22-42 inches</i>	28	711	36	914
Pedestal Height	38.5	977	38.5	977
Pedestal Length With Rounded Ends	24	609	24	609
Pedestal Length With Flat Ends	24	609	24	609
Pedestal Width	4	101	4	101

### Certifications

ETL Certified  
UL Subject 2593  
CSA Certified  
CE Certified

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