



## ▶ LZR<sup>®</sup>-FLATSCAN SW

Dynamic safety sensor for low energy swing doors in healthcare environments



### Complete Door Leaf Coverage

Detection field extends the entire door width and height (up to 13' diagonally)



### Enhanced Safety

Generates 170 detection points across each side of the door including the hinge area



### LASER-based Technology

Capable of ignoring dynamic ground conditions (reflective flooring, pedi-mats, wet surfaces, etc.)



### Compact Design

Low-profile, compact design helps maintain aesthetics and reduces interference with door hardware

## ▽ EXCEEDING ANSI 156.19



### ACTIVATION

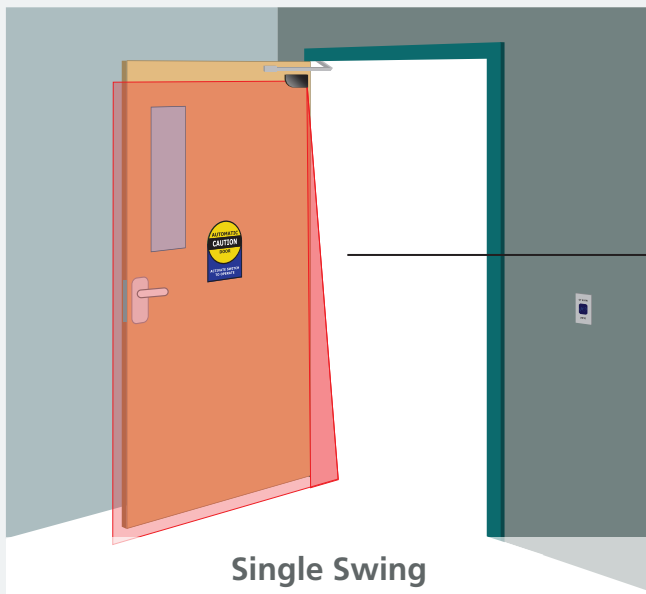
Push plate, touchless switch, or radio controls

### REACTIVATION

Complete door coverage with LZR-FLATSCAN SW LASER-based sensor



## ▽ LOW ENERGY DOOR APPLICATIONS

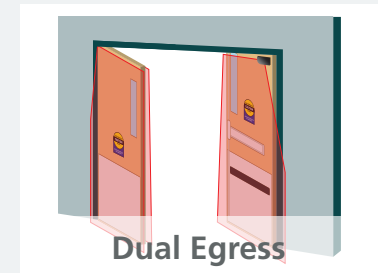


### REACTIVATION

LASER-based sensor (handed for door leaf)

### ENHANCED SAFETY

Detection field extends beyond the hinge area

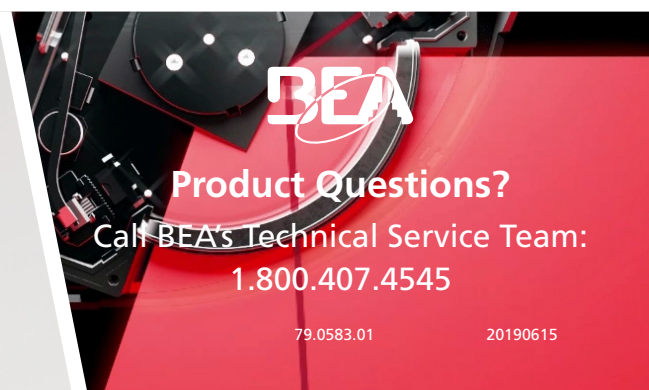
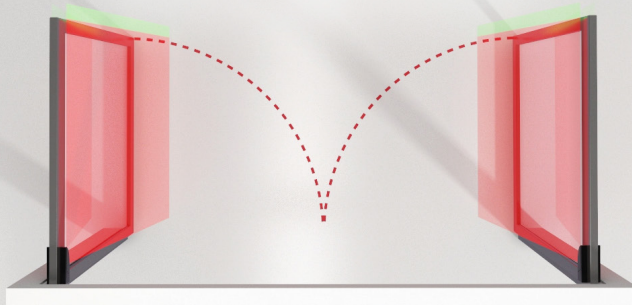


## ▽ TECHNICAL SPECIFICATIONS

<b>Technology</b>	LASER scanner, Time-of-Flight measurement
<b>Detection Mode</b>	Presence
<b>Max. Detection Range</b>	13' (diagonal) with reflectivity of 2% (e.g. at W = 5' → max. H = 12'), see Page 15 of Users Guide
<b>Detection Area</b>	
Door Leaf Safety	90°
Pinch Zone Safety	16°
<b>Angular Resolution</b>	
Door Leaf Safety	1.3°
Pinch Zone Safety	0.2°
<b>Typ. Min. Object Size</b>	
Door Leaf Safety	4" @ 13' (in proportion to object distance, DIP 2 = ON)
Pinch Zone Safety	3/4" @ 13' (in proportion to object distance, DIP 2 = ON)
<b>Emission Characteristics</b>	
IR LASER	Wavelength 905 nm; max. output pulse power 25 W; Class 1
<b>Supply Voltage</b>	12 – 24 VDC ±15%
<b>Power Consumption</b>	≤ 2 W

<b>Response Time</b>	
Door Leaf Safety	max. 50 ms
Pinch Zone Safety	max. 90 ms
<b>Output</b>	2 electronic relays (galvanic isolation - polarity free)
Door Leaf Safety	42 VAC / VDC
Pinch Zone Safety	100 mA
<b>LED Signals</b>	Red = swing side detection Green = approach side detection Yellow = error
<b>Dimensions</b>	5 1/2" (W) × 3 1/8" (H) × 1" (D) (mounting bracket adds 1/4")
<b>Material / Color</b>	PC/ASA / Black, White or Silver
<b>Tilt Angles</b>	2 – 10° (without mounting bracket)
<b>Degree of Protection</b>	IP54 (EN 60529)
<b>Temperature Range</b>	-22 – 140 °F (if powered)
<b>Humidity</b>	0 – 95% non-condensing
<b>Vibrations</b>	< 2 G
<b>Min. Door Leaf Speed</b>	2° / s

Visit: [LZR-FLATSCAN.com](http://LZR-FLATSCAN.com)



**Product Questions?**  
Call BEA's Technical Service Team:  
**1.800.407.4545**