



# LZR-FLATSCAN S

COMPACT, SINGLE-CURTAIN, LASER SCANNER FOR DOOR, GATE, AND BARRIER APPLICATIONS

## DESCRIPTION

BEA's **LZR®-FLATSCAN S** is a compact, single-curtain, LASER-based sensor designed for use on automatic industrial doors, gates, and barriers. Its precise technology ensures accurate object detection across the 18 ft × 18 ft field, making it capable of sensing people and vehicles, in both indoor and outdoor environments.

The **LZR®-FLATSCAN S** is housed in a robust, IP66 rated, metal enclosure. It can be installed in outdoor, industrial, and other harsh environments.

Three visible LED spots provide accurate reference points that aid in adjusting the tilt angle. Parameter adjustments can be made with a BEA **UNIVERSAL REMOTE CONTROL**.

## APPLICATIONS

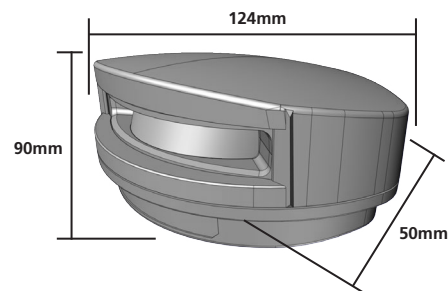


Small, High-Performance Doors



Pharmaceutical Doors

## DIMENSIONS



## TECHNICAL SPECIFICATIONS

### TECHNOLOGY / PERFORMANCE

<b>Technology</b>	LASER sensor, time-of-flight measurement
<b>Detection mode</b>	presence
<b>Max. detection range</b>	max. 18' × 18' (13 1/8' @ 5% reflectivity)
<b>Opening angle</b>	90°
<b>Tilt angles</b>	±3° (with bracket)
<b>Emission characteristics</b>	wavelength 905nm; max. output pulse power 25W (CLASS 1) wavelength 635nm; max. output CW power 0.95mW (CLASS 2) visible spot
<b>Angular resolution</b>	0.23° (400 spots within 90°)
<b>LEDs</b>	1 tri-colored LED: detection / output status

### ELECTRICAL

<b>Supply voltage</b>	12 – 24 VDC ±15%
<b>Power consumption</b>	≤ 2.3W, peak current: 1A
<b>Response time</b>	max. 50ms (+ output activation delay)
<b>Output</b>	1 opto (galvanic isolation - polarity free)
max. switching voltage	42 VAC/VDC
max. switching current	100mA
max. switching voltage	1 relay (free of potential contact)
max. contact voltage	42 VAC/VDC
max. contact current	1A (resistive)
max. switching power	30W DC / 60 VAC

### PHYSICAL

<b>Dimensions</b>	5" (L) × 3 1/2" (H) × 2" (D) (without bracket)
<b>Color</b>	black
<b>Protection degree</b>	IP66 (IEC 60529)
<b>Temperature range (when powered)</b>	-22 – 140 °F (-30 – 60 °C)
<b>Humidity</b>	0 – 95% non-condensing
<b>Vibrations</b>	< 2G

### COMPLIANCE

<b>Compliance</b>	IEC 60825-1, IEC 60950-1, IEC 61000-6-2, IEC 61000-6-3, IEC 60529:2001
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