

# LZR<sup>®</sup>-s600

## LASER SCANNER FOR BUILDING AUTOMATION AND SECURITY



### PRIMARY APPLICATIONS



### DESCRIPTION

BEA's LZR-s600 is a laser-based time-of-flight sensor. This high precision technology ensures accurate detection. The product configuration provides four laser-based curtains offering a three dimensional presence detection zone.

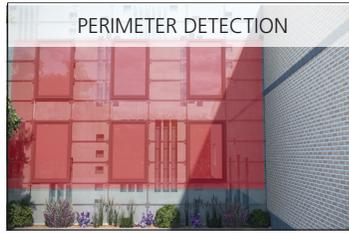
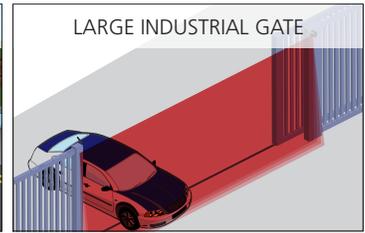
BEA's LZR-s600 represents the largest detection field offered in our laser time-of-flight product portfolio. This sensor is ideal for perimeter security protection, industrial automation and large industrial door/gate applications that require a wide field of detection.

The LZR-s600 is housed in a NEMA 4 rated enclosure and can be installed in outdoor, industrial and other harsh environments. Three visible LED spots provide accurate reference points when adjusting the tilt angle. Parameter adjustments can be made with a BEA remote control.

### FEATURES & BENEFITS

- Maximum detection range of 984 in x 984 in (82 ft x 82 ft)
- Degree of protection: NEMA 4 / IP65
- High immunity to environmental interferences
- External entrapment protection device capable of monitoring with interfaces/building management systems
- Has the ability to ignore dynamic ground conditions and extreme weather

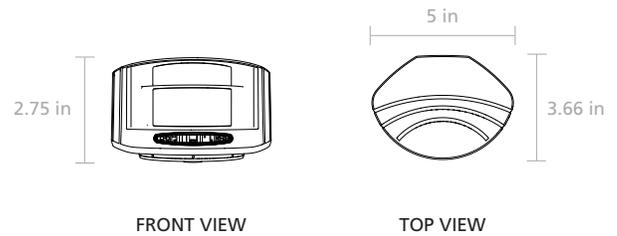
## APPLICATIONS



## TECHNICAL SPECIFICATIONS

<b>Technology</b>	LASER scanner, Time-of-Flight measurement
<b>Detection Mode</b>	Motion/Presence (EN 12453 Typ. E)
<b>Max. Detection Range</b>	984 in x 984 in (82 ft x 82 ft)
<b>Detection Plane</b>	4 curtains per sensor, curtain spread dependent on mounting height
<b>Remission Factor</b>	> 2%
<b>Emission Characteristics</b> IR LASER Red Visible LASER	Wavelength 905nm; maximum output pulse power 75W Wavelength 650nm; maximum output CW power 3mW
<b>Supply Voltage</b>	10 – 35 VDC @ Sensor Terminal
<b>Peak Current at Power-On</b>	1.8 A (Max. 80 ms @ 35 V)
<b>Power Consumption</b>	< 5W
<b>Response Time</b>	Min 20ms; Max 80ms
<b>Output</b> Max. Switching Voltage Max. Switching Current	2 electronic relays (galvanic isolated – polarity free) 35V DC / 24V AC 80 mA (resistive)
<b>LED-Signal</b>	1 Blue LED: Status « Power-on » 1 Orange LED: Status « Error » 2 Red/Green LEDs: Status « Detection/Output »
<b>Dimensions (W×L×H)</b>	5 in (D) x 3.66 in (W) x 2.75 in (H) Mounting Bracket (10LBA) adds 0.5 in
<b>Cable Length</b>	360 in (30 ft)
<b>Material</b>	PC/ASA
<b>Color</b>	Black
<b>Rotation Angle on Bracket</b>	±5° (Lockable)
<b>Tilt Angle on Bracket</b>	±3°
<b>Degree of Protection</b>	NEMA 4 / IP65
<b>Temperature Range</b>	-22°F to +140°F if powered
<b>Humidity</b>	0–95% non-condensing
<b>Vibrations</b>	< 2G
<b>Pollution on Front Screens</b>	Max. 30%; Homogenous
<b>Cut Target</b>	< 11.81 in x 7.87 in x 27.56 in @ 276 in (EN 12445 testbody A)
<b>Norm Conformance</b>	2006/95/EC: LVD; 2002/95/EC: RoHS; 2004/108/EC: EMC EN 60529:2001; IEC 60825-1:2007 Laser Class 1 & 3R; EN 60950-1:2005; EN 61000-6-2:2005 EMC - Industrial level EN 61000-6-3:2006 EMC - Commercial level

## DIMENSIONAL DRAWINGS



## RELATED PRODUCTS



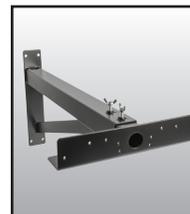
**10LZRS600**  
LZR-s600  
SENSOR



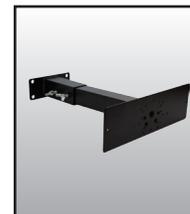
**10LZRI30**  
LZR-i30  
SENSOR



**10LBA**  
LZR MOUNTING  
BRACKET ACCESSORY



**10INDBRACKET**  
20 IN - 36 IN  
EXTENSION BRACKET



**10MINIBRACKET**  
6 IN - 12 IN  
EXTENSION BRACKET



**10REMOTE**  
BEA UNIVERSAL  
REMOTE CONTROL  
\*REMOTE IS REQUIRED

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