### DESCRIPTION

BEA’s **LZR®-I30** is a LASER-based Time-of-Flight sensor. This high precision technology ensures accurate object detection. The product configuration provides four LASER-based curtains offering a three dimensional safety zone.

The sensor is designed for the detection of people and vehicles, in both indoor and outdoor environments. Its detection accuracy makes this sensor ideal for high performance industrial doors, vehicle flow safety, perimeter protection and variety of applications.

The **LZR®-I30** is housed in an IP65 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 universal remote control.

---

### 3-Dimensional Safety Zone

Four curtains of detection each capable of 360 in × 360 in (30 ft × 30 ft)

### Highly Accurate Detections

Detects objects as small as 2 inches at 30 feet away, depending on application

### Energy Savings

Has the ability to ignore dynamic ground conditions and extreme weather

### Easily Adjustable

Three visible LEDs for pattern alignment
APPLICATIONS

Automatic Industrial Doors  Virtual Push Plate  Gates And Barriers

TECHNICAL SPECIFICATIONS

- **Technology**: LASER scanner, Time-of-Flight measurement
- **Detection Mode**: Motion / Presence (EN 12453 Typ. E)
- **Max. Detection Range**: 30’ × 30’
- **Remission Factor**: > 2%
- **Emission Characteristics**
  - **IR LASER**: Wavelength 905 nm; maximum output pulse power 75 W (CLASS 1)
  - **Red Visible LASER**: Wavelength 650 nm; maximum output CW power 3 mW (CLASS 3R)
- **Supply Voltage**: 10 – 35 VDC @ Sensor Terminal (to be operated from SELV compatible power supplies only)
- **Peak Current at Power-On**: 1.8 A (Max. 80 ms @ 35 V)
- **Power Consumption**: < 5 W
- **Response Time**: Typ. 20 ms; max. 80 ms (+ output activation delay)
- **Output**
  - **Max. Switching Voltage**: 35 VDC / 24 VAC
  - **Max. Switching Current**: 80 mA (resistive)
- **LED-Signal**
  - 1 Blue LED: Power-on
  - 1 Orange LED: Error status
  - 2 Bi-colored LEDs: Detection / Output Status (Green: no detection; Red: detection)
- **Dimensions**
  - **Housing**: 5” (W) × 2 ¼”(H) × 3 ½ (D) Adds 1 ½”
  - **Cable Length**: 30’
  - **Material**: PC / ASA
  - **Color**: Black
  - **Rotation Angle on Bracket**: ±5° (Lockable)
  - **Tilt Angle on Bracket**: ±3°
  - **Degree of Protection**: IP65
- **Temperature Range**
  - -22 – 140 °F if powered
  - 14 – 140 °F if unpowered
- **Humidity**: 0 – 95% non-condensing
- **Vibrations**: < 2 G
- **Pollution on Front Screens**: Max. 30% ; Homogenous
- **Test Body Dimensions**
  - 700 mm × 200 mm × 200 mm (test body A according to EN 12445)
- **Norm Conformity**

PRODUCT SERIES

- **10LZR130**: LASER scanner for industrial automation
- **10LZR5600**: LASER scanner for automation and security
- **10PS12-24**: UL / ULC Listed power supply
- **10LBA**: LZR mounting bracket accessory
- **10INDBRACKET**: 20 – 26” extension bracket
- **10MINIBRACKET**: 6 – 12” extension bracket
- **10REMOTE**: BEA universal remote control
- **10PSMDR2024**: 100 – 240 VAC, 24 VDC power supply

DISCLAIMER: Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will BEA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information from this document or the products to which the information refers. BEA has the right without liability to change descriptions and specifications at any time.