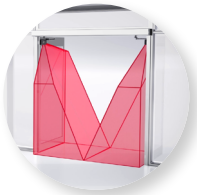




▶ LZR®-FLATSCAN 3D SW

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

Three-dimensional detection field provides Leading-Edge Safety for detection beyond the door leaf and coverage of the hinge area with Finger Detection Technology™



LASER-based Technology

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



Convenient Low-Energy Kits

Tailored kits to suit all types of low-energy installations, including simultaneous pair and dual egress

▽ EXCEEDING ANSI 156.19

ACTIVATION

Utilize up to two Virtual Push Buttons or opt for a traditional method of activation via push plate, touchless switch, or radio controls

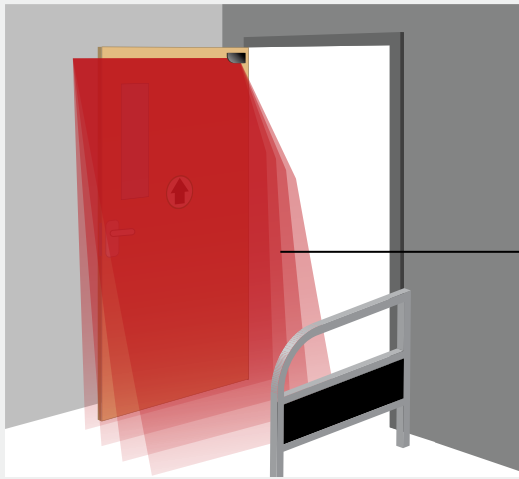


REACTIVATION

Complete door coverage with LZR-FLATSCAN 3D SW LASER-based sensor



LOW-ENERGY DOOR APPLICATIONS



Single Swing

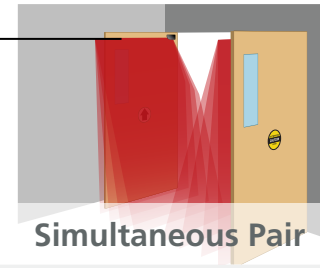
Available kits: 10LZRFLATSCAN3D-LB
10LZRFLATSCAN3D-RB

REACTIVATION

LASER-based sensor
(handed for door leaf)

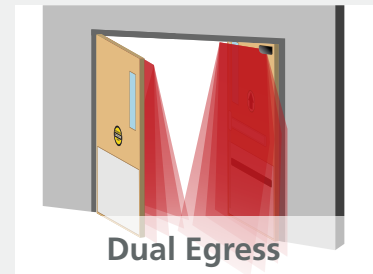
ENHANCED SAFETY

Detection field extends beyond the hinge area



Simultaneous Pair

Available kits: 10LZRFLATSCAN3D-LESWBK



Dual Egress

Available kits: 10LZRFLATSCAN3D-LELBKIT
10LZRFLATSCAN3D-LERBKIT

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Technology	LASER scanner, time-of-flight measurement
Detection mode	Presence
Max. detection range	13' (diagonal) with reflectivity of 2% e.g. at 36" width, $H_{min} = 75"$ $H_{max} = 151.8"$ e.g. at 42" width, $H_{min} = 75"$ $H_{max} = 150.2"$ e.g. at 48" width, $H_{min} = 75"$ $H_{max} = 148.4"$ Use the FLATSCAN Sizer Tool for custom door widths and mounting heights.
Detection field coverage	Door leaf safety: 80° Pinch zone safety: 20°
Opening angle	80° minimum
Angular resolution	Curtain 1: 0.2° Curtain 2: 1° Curtain 3: 1.7° Curtain 4: 2.5°
Tilt angles	0 – 5°
Typ. min. object size	3/4" @ 13' in curtain C1
Min. door leaf speed	2°/sec
Emission characteristics (IEC 60825-1)	IR LASER: wavelength 905 nm; output power < 0.1mW; Class 1

ELECTRICAL

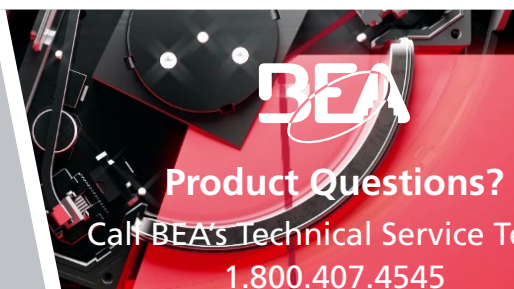
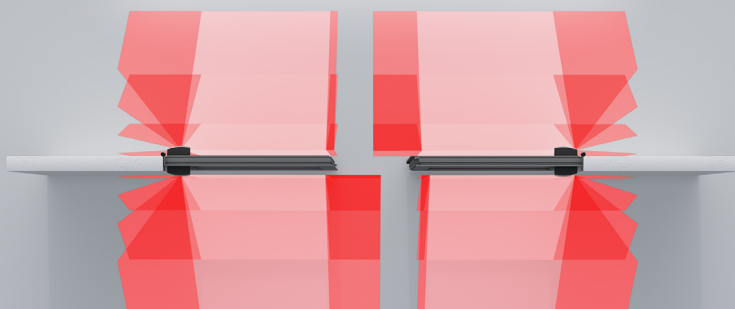
Supply voltage *	12 – 24 VDC ±15% (to be operated from SELV-compatible power supplies only)
Power consumption	< 2 W
Response time	Typ. <120 ms (max. 220 ms)
Output	3 electronic relays (galvanic isolation - polarity free)
max. switching voltage	42 VAC/VDC
max. switching current	100 mA

PHYSICAL

Dimensions	5 3/4" (L) × 3 1/2" (H) × 2 1/8" (D) mounting base: D + 3/4" spacer: D + 1 1/2"
Material - Color	PC/ASA - black
Protection degree	IP44 (IEC 60529)
LED signals	1 RGB LED: detection/output status
Temperature range	-13 – 140 °F
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
COMPLIANCE	
Compliance	ISO 13849-1 PL "d"/ CAT2; IEC 60825-1; IEC 62061 SIL 2 UL10 – file # R39071

* This sensor is powered by DC voltage only. If only VAC power is available, a 12V transformer paired with a rectifier must be used. Do not use a 24V transformer and rectifier as this will cause damage to the product.

Visit: **LZR-FLATSCAN 3D SW**



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