

APPLICATION NOTE



LZR Center Mount

BEA Products to which this Information Sheet applies:

- ✓ LZR-i30

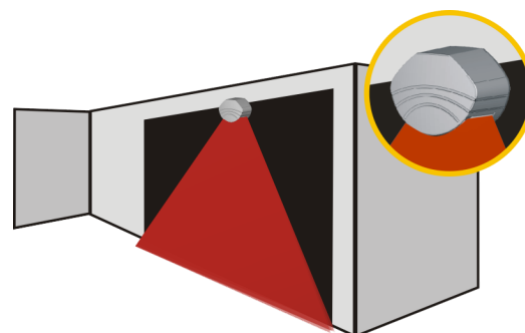
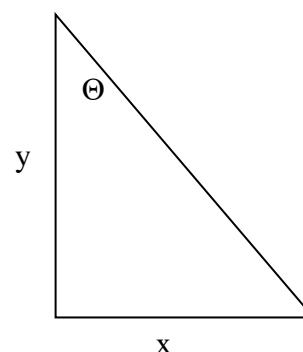


Image 1

When mounting the LZR in the center of the door (directly over head) please reference Table 1 below for mounting height versus door width to ensure that the full door width is covered. Multiple sensors may be needed to cover the full width of the door. Please note that even though the full width of the door is covered, the entire area of the door opening will not. Please reference inactive (black) zones in Image 1 above.

Door Width (ft)	Mounting Height (ft)
5	2.25
6	2.70
7	3.15
8	3.60
9	4.05
10	4.50
11	4.95
12	5.40
13	5.85
14	6.30
15	6.75
16	7.20
17	7.65
18	8.10
19	8.55
20	9.00
21	9.45
22	9.90
23	10.35
24	10.80
25	11.26
26	11.71
27	12.16
28	12.61
29	13.06
30	13.51



CALCULATION :

$$y = x / \tan(\Theta)$$

VARIABLES :

y = Mounting Height (ft)

x = 1/2 Door Width (ft)

CONSTANTS :

Θ = 1/2 Sensing Angle = 48 (degrees)

Table 1 : Door Width vs. Mounting Height