

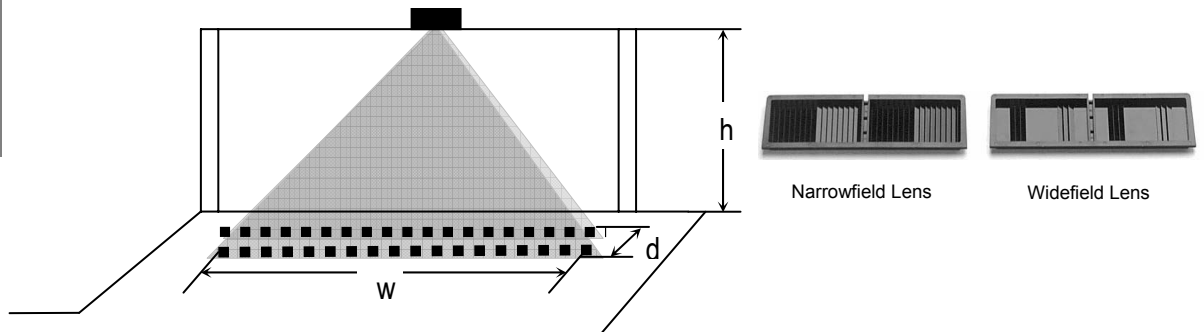
DESCRIPTION

DATE: May 2006

SUBJECT: Wizard and Iris for Industrial Applications

- The purpose of this bulletin is to provide approximate infrared pattern sizes for the Wizard and Iris sensor for various mounting heights.

GUIDELINES



NARROW LENS Patterns				
h = Mounting Height of Sensor	7'	10'	12'	14'
d = Depth of Two Curtains	1' 3"	1' 6"	1' 8"	1' 10"
W = Width of Curtains	3' 6"	5'	6'	7'
WIDE LENS Patterns				
h = Mounting Height of Sensor	7'	10'	12'	14'
d = Depth of Two Curtains	1' 3"	1' 6"	1' 8"	1' 10"
W = Width of Curtains	7'	10'	12'	14'



Spotfinder

- **The above dimensions are approximate.** Actual detection area will vary slightly according to site conditions. If necessary more than one sensor can be used, but in doing this, **it is important to not overlap the patterns from one sensor to the other as some interference may occur.**
- **A general rule of thumb** is when using a wide infrared lens the curtain width will be approximately equal to the mounting height a 1:1 ratio. If using a narrow lens the ratio is 2:1, that is, there is 6 inches of curtain width for every 12 inches of height. Again, this is only an approximation. For mounting heights above 12', environmental reflectivity becomes increasingly influential. If unintended detections (ghosting) occur at higher mounting heights – either lower the sensor to 12' or less or switch to a narrow lens. The result will be a more concentrated infrared field.
- **To help identify the infrared curtain**, BEA suggests the use of a Spotfinder (shown above). The Spotfinder aides in locating the infrared spots emitted by the sensor – It does not imply the detection area. The effective detection area can differ slightly, from the actual identified infrared area, depending on site conditions. It is always recommended to perform a walk-test or other test applicable to the type of traffic to ensure the intended area of coverage is provided.

COMPANY CONTACT



CAUTION

Do not leave problems unresolved. If a satisfactory solution cannot be achieved after troubleshooting a problem, please call B.E.A., Inc. If you must wait for the following workday to call B.E.A., leave the door inoperable until satisfactory repairs can be made. Never sacrifice the safe operation of the automatic door or gate for an incomplete solution.

The following numbers can be called 24 hours a day, 7 days a week. For more information, visit www.beainc.com.

West: 1-888-419-2564
South-East: 1-800-407-4545
US and Canada: 1-866-249-7937

Mid-West: 1-888-308-8843
North-East: 1-866-836-1863
Canada: 1-866-836-1863