High Bay Occupancy Sensor Lenses

PROJECT	
LOCATION/TYPE	

Product Overview

Description

The High Bay (HB) Occupancy Sensor Modules (sold separately) require one of four available lenses to operate: the HBL1, HBL1M, HBL3 or HBL4. Each Fresnel lens is designed for a different application, allowing for use at different mounting heights and locations. Each HB sensor lens snap-mounts to any module, and can be interchanged by simply un-snapping and re-snapping the ideal lens for the particular application. They can also be repositioned 90° on the sensor.

HBL1 & HBL1M Lens

The HBL1 Lens offers linear patterns best suited for high bay aisleway applications. The Fresnel lens is designed to detect walking motion when mounted at or around 40'. In optimal conditions, the lens has a 60' linear detection range. Identical to the HBL1, the HBL1M comes with opaque adhesive tape applied to the interior of the lens, cutting off 1/2 of the coverage pattern. This customized coverage is ideal for the beginning of aisle ways where cross traffic could be an issue.

HBL3 Lens

The HBL3 Lens offers 360° coverage and is best suited for open area and aisleway coverage in high bay applications. The HBL3 is a multi-cell, multi-tier Fresnel lens offering a high density coverage pattern that spreads over a 24' diameter area at a height of 20'.

HBL4 Lens

Similar to the HBL3 Lens, the HBL4 offers 360° coverage, and is best suited for open areas and aisleways in high bay applications. The HBL4 is a multi-cell, multi-tier Fresnel lens offering a high density coverage pattern.The HBL4 is designed for mounting at heights between 20' to 40', with a coverage area up to 68' in diameter when mounted at 40'.

Features

HBL1 & HBL1M:

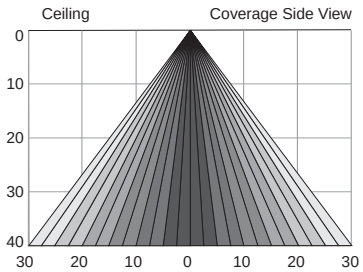
- Ideal for high ceiling aisleway applications
- Both are multi-cell, multi-tier Fresnel lenses
- 60' x 20' HBL1 coverage when mounted at 40' height
- 30' x 20' HBL1M coverage when mounted at 40' height

HBL3 & HBL4:

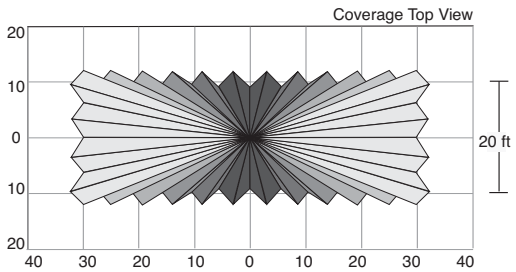
- Ideal for high ceiling open area and aisleway coverage in high bay applications
- Both are multi-cell, multi-tier Fresnel lenses
- 24' diameter coverage when mounted at a 20' height (HBL3)
- 68' diameter coverage when mounted at a 40' height (HBL4)

Coverage Patterns

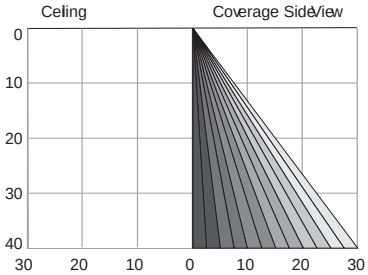
HBL1 Coverage Side View



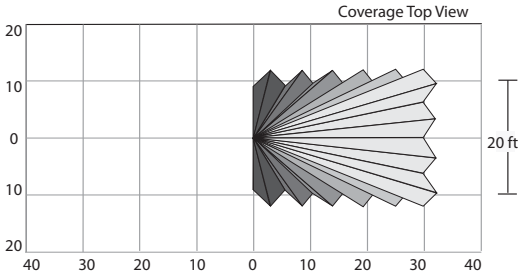
HBL1 Coverage Top View



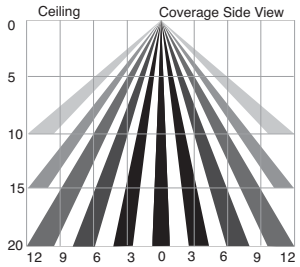
HBL1M Coverage Side View



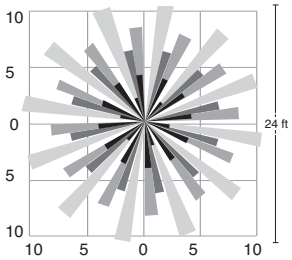
HBL1M Coverage Top View



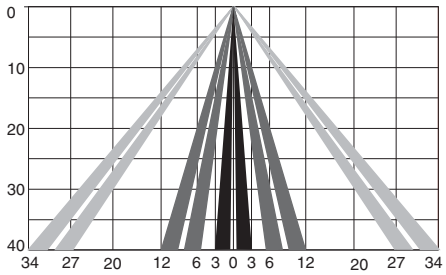
HBL3 Coverage Side View



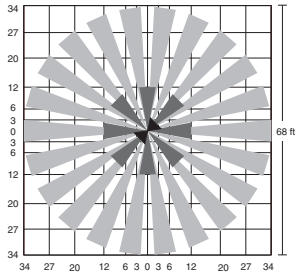
HBL3 Coverage Top View



HBL4 Coverage Side View



HBL4 Coverage Top View



Ordering Information

Catalog No.	Color	Coverage
☐ HBL1	White	Coverage @ 40' height : 60' x 20'
☐ HBL1M	White	Coverage @ 40' height : 30' x 20'
☐ HBL3	White	Coverage @ 20' height : 24' in diameter
☐ HBL4	White	Coverage @ 40' height : 68' in diameter

PLEASE NOTE: **1.For a complete working system, separately order the correct module for your application**

(see module cut sheets).

2. When preparing P.O., order parts as separate line items (e.g., HB350, HBL1, HBEM3)

3. Parts ship separately.