HIGH BAY PASSIVE INFRARED OCCUPANCY SENSOR STANDARD LENS MODULE

HBLX

PRODUCT OVERVIEW

The HBLx Lens Modules work with the HB3x0 series sensor modules to provide automatic lighting control. Four different lens modules provide coverage for different applications, facilitating sensor use at various mounting heights and locations. Each Fresnel lens fits any HB3x0 sensor module, and can be replaced with a different lens when desired. For more information about the sensor modules, refer to the High Bay Occupancy Sensor Module datasheet.

MODELS

HBL1 Aisleway Lens Module
HBL1M Aisleway Lens Module with Mask
HBL2 Low Bay Lens Module
HBL3 Mid Bay Lens Module
HBL7 High Bay Lens Module

SPECIFICATIONS & FEATURES

Multi-cell, multi-tier Fresnel lenses

Interchangeable lenses

Asymmetric 2-way and 360° lenses

Lens choices for mounting between 8 and 40 feet

Indoor use only

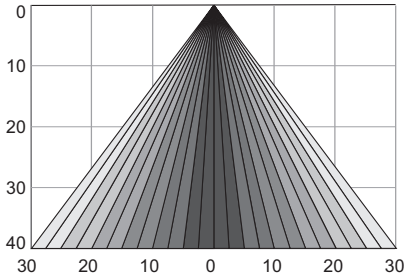
Operating Humidity: 5% to 95%, non-condensing

Weight: 0.8 oz (22.7 g)

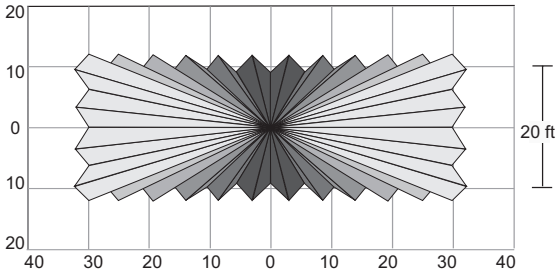
Five year warranty

MATERIALS

ABS, flame retardant
UV resistant
Impact resistant
Recyclable
Meets materials restrictions of RoHS

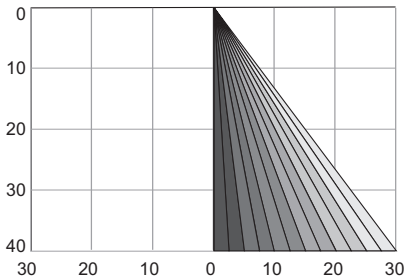


HBL1 side coverage pattern

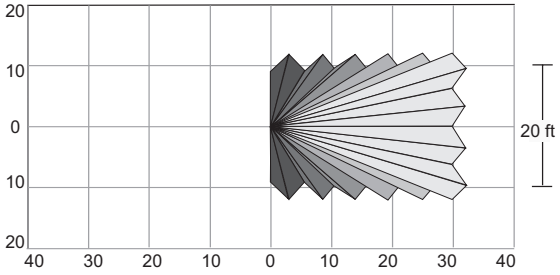


HBL1 top coverage pattern

Aisleway: The HBL1 Fresnel lens is designed to detect walking motion when mounted at 40′ above the floor. The lens has a linear detection range up to 60′.

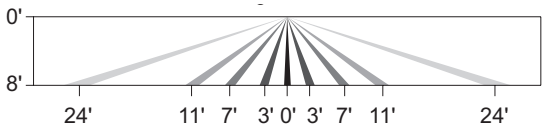


HBL1M side coverage pattern

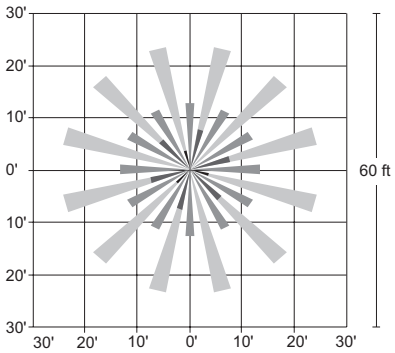


HBL1M top coverage pattern

Aisleway with Mask: 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 aisleways where cross traffic could be an issue.

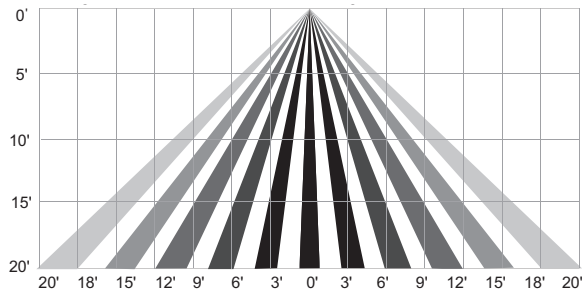


HBL2 side coverage pattern

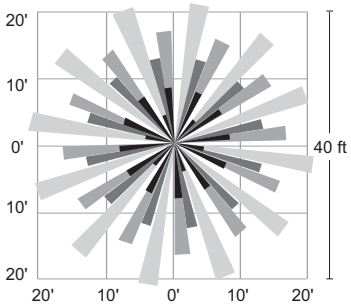


HBL2 top coverage pattern

Low Bay: The HBL2 Fresnel lens is designed to detect walking motion when mounted at 8′ above the floor. The coverage area can be up to 48′ in diameter.

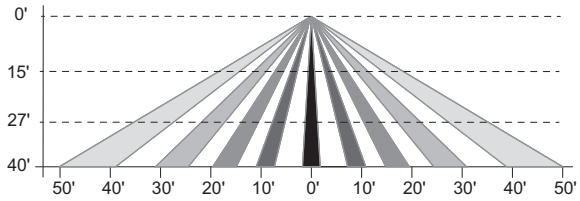


HBL3 side coverage pattern

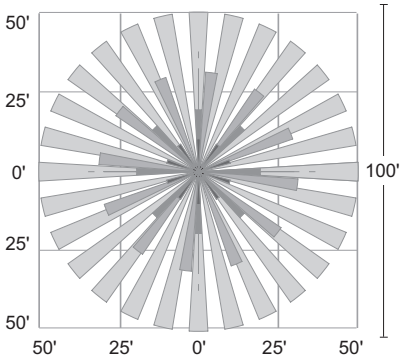


HBL3 top coverage pattern

Mid Bay: The HBL3 has a high density lens that covers a 40′ diameter area from a height of 20′.



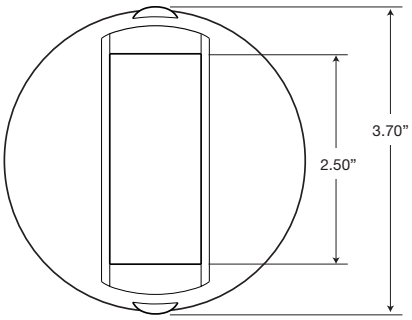
HBL7 side coverage pattern



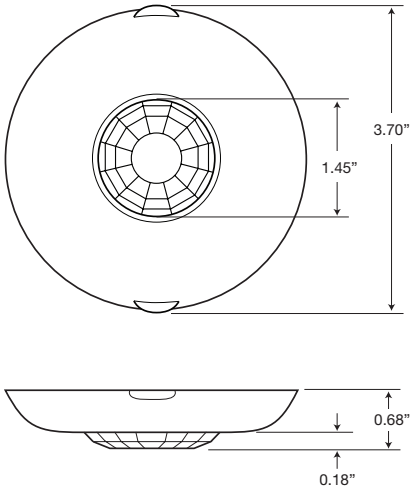
HBL7 top coverage pattern

High Bay: The HBL7 is designed for mounting at a height of 40′. Its coverage area can be up to 100′ in diameter.

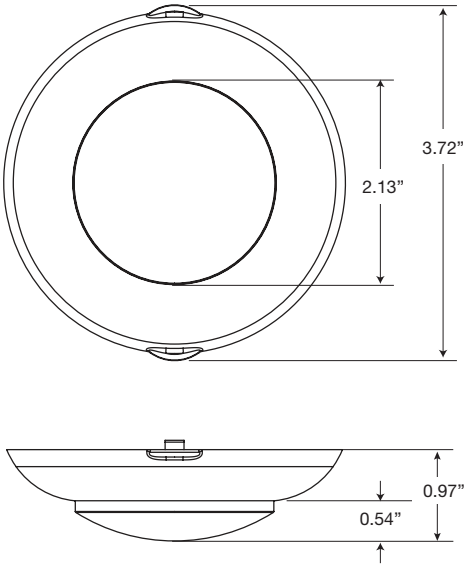
DIMENSIONS



HBL1 and HBL1M dimensions



HBL2 and HBL3 dimensions



HBL7 dimensions

ORDERING INFORMATION

Catalog #	Master Pack Details					Inner Pack Details				
	Master Pack Quantity	Case dimensions (inches)			Weight (pounds)	Inner Pack Quantity	Case dimensions (inches)			Weight (pounds)
		Length	Width	Height			Length	Width	Height	
HBL1	100	21.14	19.72	10.31	13.4	50	20.67	9.44	9.76	5.5
HBL1M	100	21.2	17.5	15.7	13.4	50	20.7	8.35	15	5.5
HBL2	100	21.2	17.5	15.7	12.1	50	20.7	8.35	15	4.85
HBL3	100	21.2	17.5	15.7	12.1	50	20.7	8.35	15	4.85
HBL7	100	21.2	17.5	15.7	14.3	50	20.7	8.35	15	6.15

Catalog #		Color	Description
☐	HBL1	White	Aisleway Lens Module: 60′ linear coverage from 40′ height (Bulk Packaged)
☐	HBL1M	Brown	Aisleway Lens Module: 60′ linear coverage from 40′ height, 1 side masked (Bulk Packaged)
☐	HBL2	Gray	Low Bay Lens Module: 48′ diameter coverage from 10′ height (Bulk Packaged)
☐	HBL3	White	Mid Bay Lens Module: 40′ diameter coverage from 20′ height (Bulk Packaged)
☐	HBL7	Gray	High Bay Lens Module: 100′ diameter coverage from 40′ height (Bulk Packaged)

Information supplied above is subject to change.
Harmonization code: 8538908080. Country of origin: China.

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