

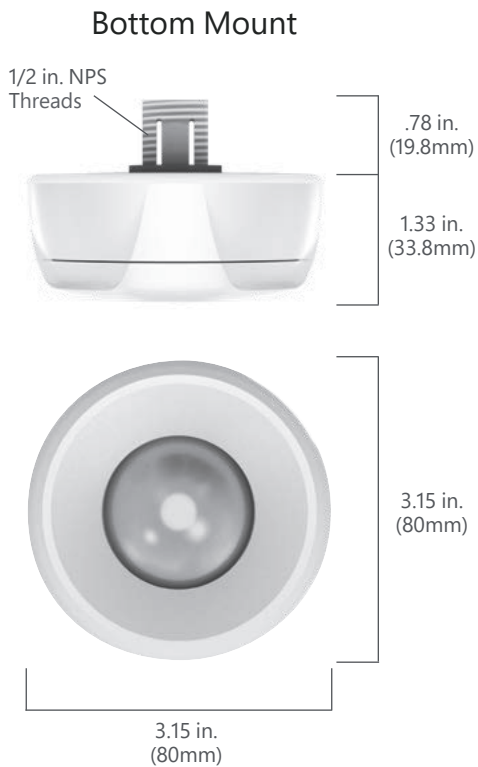
Daintree® | Wireless High Bay Sensor (WHS20)

Ordering Information

WHS20 sensors are available in Albeo High Bay Fixtures. For current catalog logic please reference the Albeo cut sheets for availability

Catalog #	Material #	Description	Quantity
WHR1	93131632	Wireless Handheld Remote	1
	93134984	Snap On Aisle Mask	1
	93134985	Snap On Aisle Mask	10
	93134982	Internal Mount Aisle Mask	1
	93134983	Internal Mount Aisle Mask	10
	93134996	Angle Adjuster	1
	93134997	Angle Adjuster	10
	93134998	Low Lens	1
	93134999	Low Lens	10
	93135000	Medium Lens	1
	93135001	Medium Lens	10
	93135002	High Lens	1
	93135003	High Lens	10

Product Dimensions



Specifications	
Occupancy Detection	PIR
Ambient Light Detection	ALS
Wireless Technology	Based on the 802.15.4 standard
Radio	2.4GHz +10dBm transmit power
BLE Beacon	iBeacon™
Driver Compatibility	Digital Addressable (DA) Digital Power Bus
Power Consumption	< 0.5Wz
DA Input	24 VDC 250mA Max
LED Indicators	Green: Occupancy Detection Red: Off for Normal Operation
Lenses	2.5m 6m and 12m (8ft 20ft and 40ft) 360° or Aisle
Operating Environment	-40°C to +70°C (-40°F to +158°F) 5 to 90 RH Non-Condensing
Enclosure	NSF IP66 and IP69K Rated (when installed in similarly rated fixture)
Compliance	FCC Part 15 FCC ID: QOQMGM12PO IC ID: 5123A-MGM12PO CAN ICES-3 (B)/NMB-3(B) UL Listed: E337125
Warranty	5 Years

Labels

Every WHS20 includes the necessary labels for Daintree Networked commissioning.

Unit Label

WHS20 comes with unit label attached.

Fixture Label

When attaching WHS20 to a fixture attach fixture label to the fixture and visible to maintain regulatory compliance.

Plan Label

The plan label is useful for attaching to a paper facility map or tracking sheet.

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WHS20 Commissioning

Daintree WHS20 sensors can be ordered and commissioned in **Daintree® ONE** Stand alone mode, when ordered with Albeo fixtures using "FB" controls catalog logic. **Daintree® EZ Connect** provides zonal based control of Daintree sensors with "DF" controls catalog logic and can be commissioned with the **Daintree® EZ Connect** app available on the Apple® App Store. Full featured scheduling and monitoring is capable with the **Daintree® Networked** platform when ordered with the "NA" catalog logic. Commissioning and upgrading to **Daintree® Networked** is capable via an OTA firmware upgrade by using the Daintree WHR1 Remote.

Daintree One® Default Performance

When in standalone **Daintree® ONE** mode, the default operation of the WHS20 is as follows:

Occupancy Detection

Occupied Output	100%
Idle Output	10%
Vacant Output	Off
Occupied Time	15m
Idle Time	15m
Occupancy Sensitivity	High
Transition Rise Time	Instant
Transition Fall Time	5s

Ambient Light Detection

Low Ambient Threshold	2.5x
High Ambient Threshold	3.5x
High Ambient Output	Off
Ambient Light Sensitivity	Medium
Ambient Transition Time	1m

Dimming Function

Max Dim Output	100%
Min Dim Output	10%
Min Output	OFF

Available in the following **Albeo® Luminaires ABV Series** and **ABN Series**. For a complete list of fixtures with Integrated Fixtures, please download our Integrated Fixture Guide at gecurrent.com



ABV Series



ABN Series

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Daintree EZ Connect Mode - Default Performance

Name	Description	Minimum Value	Maximum Value	Default Profile Value
Settling Time	The time (measured in sec) that occupancy must be detected for a fixture to transition from Background state to Task state.	0 sec	300 sec	5 sec
Hold Time	The time (measured in minutes) that occupancy must NOT be detected for a fixture to transition from Task state back to Background state.	0 min	60 min	10 min
Group Hold Time	The time (measured in minutes) that any fixture in a room or zone of fixtures must NOT detect occupancy for the entire of fixtures to transition from Background state to Standby state.	0 min	60 min	10 min
Grace Time	Set to 0 for Automatic-Detection mode. Otherwise, the room is programmed to operate in Vacancy-Detection Mode, and the fixture will transition from the Standby state to the OFF state if occupancy is NOT detected within the Grace Time (measured in seconds).	0 sec	30 sec	0 sec
Partial Off/Standby	The output power level in Standby state – in percentage of the full power.	0%	100%	0%
Background Level	The output power level in Background state – in percentage of the full power.	0%	100%	50%
Task Level	The output power level in Task state – in percentage of the full power.	0%	100%	100%
Daylight Harvesting	This parameter enables the Daylight Harvesting functionality.	0 (OFF)	1 (ON)	1 (ON)
Low Ambient Output	The light level above which daylight harvesting dimming will start, given as a percentage of the fixture's own light output.	10%	800%	300%
High Ambient Output	The light level above which daylight harvesting dimming will start, given as a percentage of the fixture's own light output.	OFF	ON	OFF
Occupancy Sensitivity	The sensitivity of the motion sensor. between 1 (lowest) and 5 (highest).	1 (lowest)	5 (highest)	5 (highest)
Occupancy Indicator	This parameter switches between Indicator OFF (0) Indicator ON (1) mode.	OFF	1 (ON)	1 (ON)

Daintree® Networked Mode - Default Performance

When in **Daintree® Networked** mode, the default operation is as follows:

Default Operation

- The WHS20 will keep the luminaire on at the Max Dim Output until commissioned.

Daintree® Network Connected

Not Commissioned

- The WHS20 will still keep the luminaire on at Max Dim Output setting.

Commissioned to a Zone

- The WHS20 will follow the zone control of the Daintree Network, configurable via ControlScope software.

Daintree® Networked Connection Lost

- The WHS20 will return the luminaire to Max Dim Output after a period of lost connection.
- Once connection is restored, the WHS20 will return to the zone control configurable via Daintree ControlScope software.

Daintree® | Wireless High Bay Sensor (WHS20)

Accessories

Accessories are available for customization and can be ordered separately.



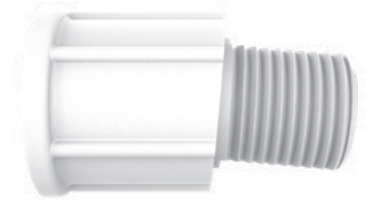
Aisle Mask (Snap On)

SKU	QTY
93134984	1 PC
93134985	10 PC



Aisle Mask (Internal)

SKU	QTY
93134982	1 PC
93134983	10 PC



Angle Adjuster

SKU	QTY
93134996	1 PC
93134997	10 PC



Low Lens

SKU	QTY
93134998	1 PC
93134999	10 PC

Mounting Height: 2.5m (8 ft.)



Medium Lens

SKU	QTY
93135000	1 PC
93135001	10 PC

Mounting Height: 6m (20 ft.)



High Lens

SKU	QTY
93135002	1 PC
93135003	10 PC

Mounting Height: 12m (40 ft.)



Convenient Commissioning

WHR1 is the **Daintree® ONE** Wireless Handheld Remote control that provides easy commissioning of Control Modules from the ground with bi-directional IR communication. The interface is intuitive and graphical to make configuration easy in the field.

For zonal control of your Albeo High Bay Fixtures, use the **Daintree® EZ Connect** app. The app allows you to group fixtures into zones and customize the settings of the fixtures. The zoned fixtures will work in concert with each other based on parameters set in the app depending on occupancy and light level detection.

Effortlessly upgrade your Daintree® devices from **Daintree® ONE** to **Daintree® Networked** utilizing the WHR1. See WHR1 spec sheet for additional details.

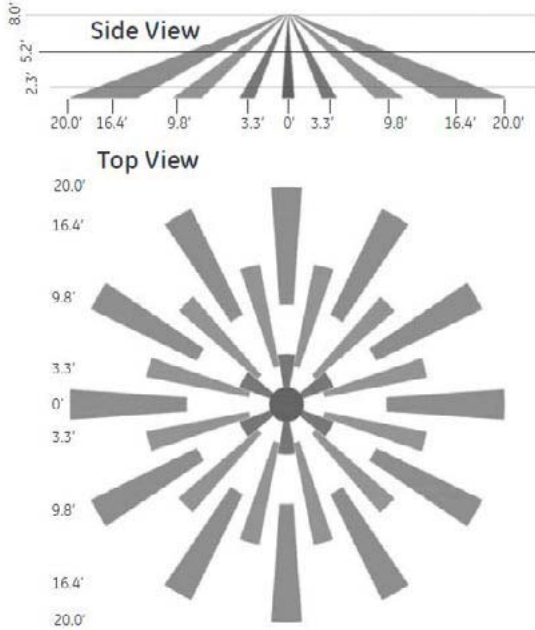


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Coverage patterns for different lens and mounting heights.

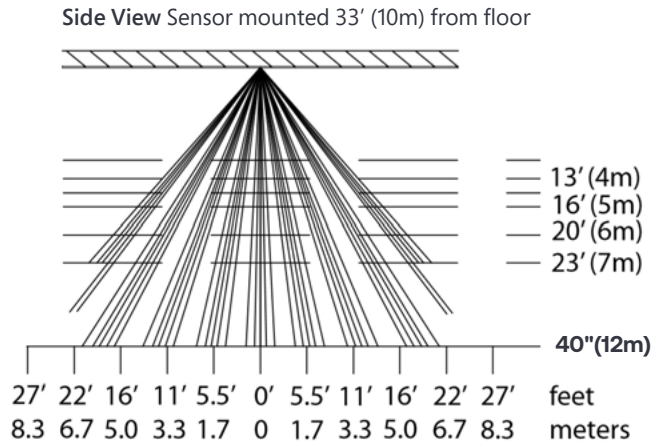
Low Lens: 2.5m (8ft)

20ft Radius/40ft Diameter



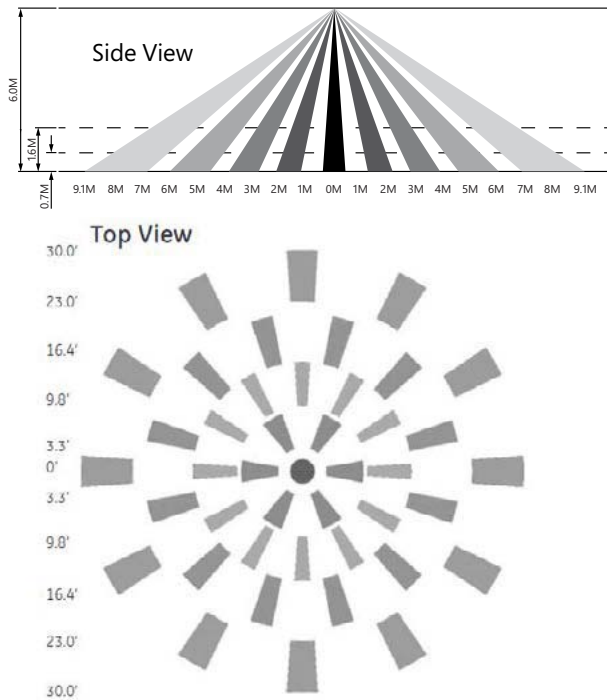
High Lens: 12m (40ft)

27ft Radius/54ft Diameter



Med Lens: 6m (20ft)

30ft Radius/60ft Diameter



The WHS20 comes with the High Lens as standard. Low and Medium lenses can be ordered separately.

PIR sensor coverage tested as per NEMA WD7-2011