

Wi-Fi / IR Location Beacon for Highly Accurate Location



The AiRISTA Flow LB2 location beacon is a cost-effective solution to refine the location accuracy of the AiRISTA Flow Wi-Fi based Real-time Location System (RTLS).

Industry-Leading Location Accuracy

The beacon is a small, portable, battery-powered transmitter that is designed to enhance system accuracy. The AiRISTA Flow LB2 uses infrared technology to provide sub-meter accuracy when ultimate granularity is critical.

The AiRISTA Flow LB2 refines the location accuracy to levels previously only available with expensive, proprietary systems that require wiring new infrastructure. For the typical hospital environment, the beacons provide highly reliable room- and bed-level accuracy in any areas with Wi-Fi coverage, without the need to install additional Wi-Fi access points or other wired infrastructure.

Sub-meter Location Granularity

Because AiRISTA Flow Wi-Fi Tags with IR support recognize the AiRISTA Flow LB2, the AiRISTA Flow RTLS Controller is capable of calculating and displaying the precise location of the tags.

The AiRISTA Flow LB2 can be mounted on a wall or ceiling, and since they do not require any data or power cabling, they can be installed quickly, without any impact to the facility operations.

Benefits

- Easy to install with two screws
- No permits or power outlets required
- Delivers industry leading accuracy at a fraction of the cost
- Enhances system performance in areas that have limited Wi-Fi coverage
- AiRISTA Flow RTLS provides complete enterprise-wide location tracking and highly accurate precision

Features

- Battery life up to 5 years
- No interference with any other wireless devices
- Location accuracy to less than 3 feet or 1 meter
- Five operation modes and three transmission power levels to support a wide variety of different applications
- Signal penetrates fabrics
- Three different blink intervals for multiple real-time requirements

IR Sensor

38 kHz Infrared (IR)

Multiple focused beams for defining precise location areas.

Advanced dispersion technology can flood the entire room or create a limited pattern.

Battery & Battery Life

2 - 1.5 Volt standard alkaline C batteries

Battery life: Up to 5 years with 4 sec transmission interval

Power jack for optional 3V / 1A power supply

User Interface

Operation mode button

Operation mode LEDs for The AiRISTA Flow LB2 can operate in five different modes:

- Room mode: fills a room with the location beacon signal providing room-level accuracy
- Sub-zone mode: creates a sub-zone inside a room enabling bed- or bay-level accuracy
- Bed-zone mode: creates a zone covering a typical hospital bed and its immediate surrounding
- Micro-zone mode: creates a very small zone inside a room to monitor the usage of certain devices such as hand sanitizers or pinpointing items on a table or shelf
- Nano-zone mode: creates an extremely small zone, which can be used for example to control access

Environment

Operating Temperature: 32 to 122 °F / 0 to 50 °C

Storage Temperature: -40 to 140 °F / -40 to 60 °C

Typical Operating Range

See LB2 User Guide for specifics based on modes.

Physical

Dimensions:

4.9 x 2.6 x 2.0 in / 125 x 67 x 51 mm

Weight:

1.4 oz. / 40 g (without batteries)

9.5 oz. / 268 g (with batteries)

Part Number

Location Beacon: AF LB2

AiRISTA Flow LB2/TS Power Supply: C-LB2-TS

Warranty

One Year Warranty

*Specifications subject to change without prior notice.

AiRISTA Flow, Americas
913 Ridgebrook Rd. | Suite 110
Sparks, MD | 21152 | USA
Tel: 1-844-816-7127
info@airistaflow.com

AiRISTA Flow, APAC
Level 9 Wyndham Building
1 Corporate Court
Gold Coast | QLD | Australia
Tel: 07 3053 8375

AiRISTA Flow, EMEA
Vaisialantie 4 | B-rakennus | 02130
Espoo | Finland
Tel: +358-10-326-7600
info@airistaflow.com