

## Compact, low profile battery operated BLE beacons for proximity & location

AiRISTA's BLE Beacons are small and affordable. They allow quick and efficient deployment to support a variety of use cases that rely on proximity detection of people and assets.

### Small & Powerful

The AiRISTA battery powered BLE beacons are specially designed for economical proximity use cases. With low cost and long transmit distances, it's the ideal choice for location determination of people and assets.

The low price point means hundreds of discrete locations can provide proximity awareness to facilitate use cases such as Staff Safety, Proximity Marketing, Digital Signage, Indoor Location, Asset Tracking, Vehicle Tracking, Gateway and Sensor and so on. The beacons also scan for other tags allowing for association monitoring use cases to keep people and assets together or alerting when assets leave designated areas. Based on the latest processor technology, the device supports BLE version 4.2, and 5.0.

The AiRISTA Unified Visibility Solution is an enterprise class RTLS software platform to drive workplace insights and process efficiency. When used with AiRISTA personnel and asset tags, the BLE battery beacons create a complete solution that provides flexible workflows, real time alerting, application and device integration, custom reports and analytics.



### Benefits

- Replaceable batteries
- Low cost
- Multi-country support
- Supporting multiple applications via simultaneous multi-protocol beacons
- Increased communications distances

### Features

- Compact, low profile package
- Battery operated (2x AAA batteries)
- 48+month battery life (configuration dependent)
- Open air transmit range (BLE 4.2): ~50m normal mode
- Open air transmit range (BLE 5.0): ~50m normal mode, 200m with 128 bps coded PHY
- multi-country support
- Waterproof level IP54
- iBeacon, Eddystone, AiRISTA Beacon protocols
- multi-protocol beacon support for simultaneous applications

## BLE Radio

Blue-tooth Low Energy (BLE) Radio  
BLE 4.1, 4.2, 5.0, 5.1 and 5.2 Compliant  
TX BLE max Output Power: 5dBm

## Electrical Interface

Battery powered (2) 1.5V AAA

## Battery Life

48+month battery life (configuration dependent)

## User Interface

A Mobile Application is available for device management and protocol setup. The application is compatible with iOS and Android. Provides secure connection for GATT attribute management.

## Antenna

Embedded Omni Directional Antenna

## Certifications

FCC: Part 15 (US and Canada)  
CE Mark (European Union)

## Environment

**Operating Temperature:**  
-40°C ~ +70°C

**Storage Temperature:**  
10°C ~ +25°C (65% RH)

## Typical Operating Range

**Line of Sight:**  
Range BLE 4.2/5.0/5.1 normal mode ~(150ft/50m)  
Range BLE 5.0/5.1 coded mode ~(600ft/200m)

**Obstructions:**  
Range BLE 4.2/5.0 normal mode ~(75ft/25m)  
Range BLE 5.0 coded mode ~(300ft/100m)

## Physical

**Dimensions:**  
60mm diameter x 18mm height

**Enclosure:**  
ABS Plastic, IP54 rating

**Weight:**  
Battery Beacon: 0.88 oz. /25 g

## Part Number

Mini BLE Locator: LOC.WM.B