

## Tags and badges

### Blue LITE ID Mesh

Ref. IDF28440



**Smaller, stronger, smarter, the new beacon dedicated to indoor location in mesh network!**

- Long-range wireless communication using **mesh network** topology
- Simple deployment, maintenance, and expansion
- Over-the-air (OTA) firmware update via network
- **Pick to light** system: integrated LED
- BLE advertising frame function
- Robust industrial casing – **IP65**
- **Replaceable battery**
- Integrated **NFC** chip

#### TECHNICAL SPECIFICATIONS

<b>Operating modes</b>	<b>Mobile Mode:</b> periodic transmission of identifier and location <b>Indicator light</b> controllable via network
<b>Settings and configuration</b>	Interface/protocol NFC (Type 2) Configuration: Device Manager/ Mobile Manager application (Windows / Android) <ul style="list-style-type: none"> <li>• Activation / deactivation</li> <li>• Configuration of identifier (3 Bytes), address, and Wirepas network channel</li> <li>• Transmission period (15 seconds to 18 hours - configurable in seconds)</li> <li>• BLE advertising frame: Transmission interval, name, and power</li> </ul> Network configuration and diagnostics with Wirepas Network Tool application
<b>Sensor option / performances</b>	<b>Location accuracy:</b> 5 to 10 meters
<b>Frequency</b>	2.4 GHz – BLE channels / Mesh network
<b>Output power</b>	Up to +4 dBm (adaptive/smart network)
<b>Range</b>	Up to 100 meters free field (+4 dBm)
<b>Power supply</b>	3 VDC – Internal lithium battery replaceable
<b>Battery life</b>	<ul style="list-style-type: none"> <li>- Up to 5 years (Mobile Mode for a data transmission period every 6H) *</li> <li>- Battery voltage level sent via network and on MQTT Topic</li> </ul> <i>*For more detailed battery lifetime specification please refer to autonomy spec sheet</i>
<b>Operating temperature</b>	-30°C to +70°C
<b>Casing</b>	Dimensions : 45 x 23.2 x 5.3 mm 1 hole for M2 fixing IP65 - Weight 8g Casing: ABS+PC (UL94V0, halogen-free, medical grade) Seal: TPE
<b>Standards</b> (*) Certification in progress	EC (Europe)*: EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368 FCC (USA)*: FCC PART 15 ISED (Canada)*: RSS-247 / ICES-003 RoHS
<b>Accessories</b>	ACIOM 204 (High adhesive back side ref: 3M468P)