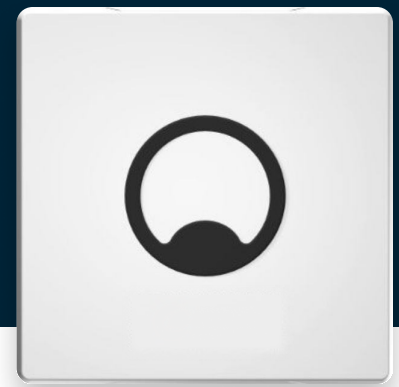


Accent Systems Beacon Specs

Specifications ([see reference here](#)). This section contains electrical, mechanical and software specifications for iBKS Plus beacon from Accent Systems.



Dimensions	84 x 84 x 24 mm	Case material	ABS
Weight	153g (Lithium)	Case finish	Matte white
	182g (Alkaline)	Button material	TPU
Core	Nordic nRF51822	Button finish	Matte black
Radio Protocol	Bluetooth® Low Energy	Fixing method	Double side sticker Screws Flanges
Distance Range	Up to 100m		
Battery	4 AA size	Operating Temperature	Related to battery type (see below)
Optional Sensors	Hall Accelerometer Temperature	Storage Temperature	Related to battery type (see below)
Firmware Update	OTA (Over The Air)	Beacon Protocols	iBeacon Eddystone: UID, URL, TLM & EID
Idle Current Consumption	3.5 to 3.8µA	Certifications	FCC, CE & IP67

Alkaline battery

Battery Type	4 AA - 1.5V - 2700mAh	Operating Temperature	-20 to +54°C
Total Capacity	3V – 5400mAh	Storage Temperature	5 to 30°C

Lithium battery

Battery Type	4 AA - 3.6V - 2600mAh	Operating Temperature	-40 to +85°C
Total Capacity	3.6V – 10400mAh	Storage Temperature	5 to 30°C

RX powder (dBm) vs distance

The following table and graph show the RX power received (dBm) in comparison with distance (m) for all configurable TX powers.

Distance (m)	-30	-20	-16	-12	-8	-4	0	+4
0	-52	-40	-38	-36	-34	-29	-26	-22
1	-90	-80	-78	-75	-73	-67	-59	-53
3	-95	-86	-81	-80	-79	-73	-67	-65
5	-99	-88	-86	-83	-81	-76	-73	-68
10	-102	-95	-88	-86	-84	-78	-75	-71
5	-99	-88	-86	-83	-81	-76	-73	-68
10	-102	-95	-88	-86	-84	-78	-75	-71
5	-99	-88	-86	-83	-81	-76	-73	-68
10	-102	-95	-88	-86	-84	-78	-75	-71
5	-99	-88	-86	-83	-81	-76	-73	-68
10	-102	-95	-88	-86	-84	-78	-75	-71
5	-99	-88	-86	-83	-81	-76	-73	-68
10	-102	-95	-88	-86	-84	-78	-75	-71
5	-99	-88	-86	-83	-81	-76	-73	-68

