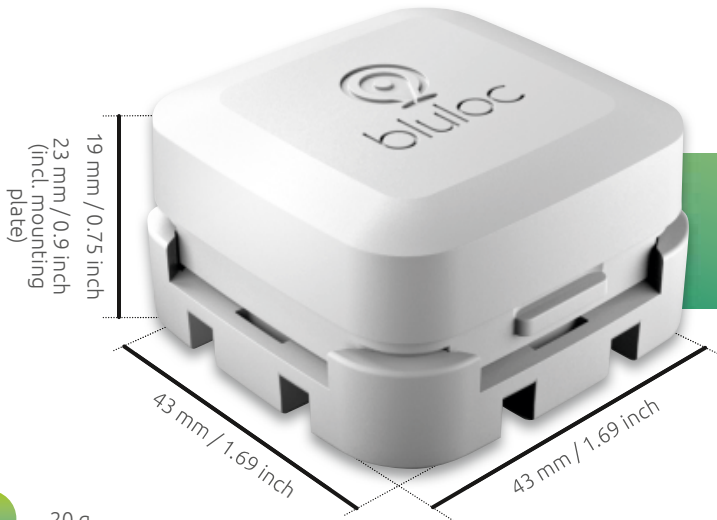




# BLACKWELL 3.0 BEACON



Favendo GmbH Phone: +49 951 70057559  
 An der Spinnerei 2 Email: info@favendo.com  
 96047 Bamberg Web: www.favendo.com

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	Signal Range	0–70 m
<b>MICROCONTROLLER</b>	Main	Nordic nRF51822
	Core	32-bit ARM Cortex-M0 CPU core
	Memory	256 kB flash 16 kb RAM
<b>COMMUNICATION</b>	Bluetooth	2,4 GHz RF Bluetooth Low Energy wireless technology
<b>TRANSMISSION POWER</b>	Bluetooth	-30 dBm to +4 dBm
<b>SENSITIVITY</b>	Bluetooth	-93 dBm
<b>BATTERY AND POWER</b>	Battery	1000 mAh CR2477
	Type	Cell, replaceable
	Battery life – Eddystone profile (625ms interval)	Up to 4 years with default setting and 24-hours daily usage (depending on environmental conditions)
	Battery life – iBeacon profile (100ms interval)	Up to 12 months with default setting and 24-hours daily usage (depending on environmental conditions)
<b>SENSORS</b>	Accelerometer	STMicroelectronics LIS3DH
	Ambient Light Sensor	Vishay TEMT6200FX01
<b>CASING</b>	Material	ABS
	Colors	Anthracite, White (For custom color please inquire individually)
	Flame Resistance	Safe – V0 flammability class
	Protection	IP 65, UL 94
<b>ENVIRONMENTAL REQUIREMENTS</b>	Operating Temperature	-25° C / +60° C (-13°F / +140°F)
	Humidity	from 0% up to 100%
<b>ADDITIONAL FEATURES</b>		Real Time Clock, LED indicator, Optional USB communication