

Bluetooth Low Energy Dimmer

Create, Adjust, Schedule. Create your lighting network, adjust the brightness, and schedule the activity of your system all on your mobile device.

A small device with **big capabilities.**

This BLE Dimmer is Amptek Technologies' Bluetooth Low Energy dimming device for your LED luminaires. The Dimmer can adjust the brightness of its respective luminaire, schedule light activity, and power the light on and off.



Control in the palm of your hands.

Pair your network with the Amptek Tech iConDimmer mobile app to maximize device capabilities. The mobile app enables you to access your network remotely – anywhere, anytime.

Divide your lighting network by creating individual zones within your lighting network through our mobile app. Dividing your system into individually controlled zones is an effective way to better manage your energy consumption in industrial, commercial, and residential environments.

Adjust the brightness of your zones to light different areas of your network to appropriate intensities.

Schedule light activity to coordinate when certain zones in your lighting network intensify, dim, and power on or off. Scheduling alarms can be set to the minute and to specific days of the week, allowing for a variety of configurations to fit your needs.



Divide

Adjust

Schedule

Control



Reduce power, reduce heat, **reduce cost.**

Light dimming control provides many benefits, including prolonging the life of each LED light unit, creating a comfortable ambiently lit environment reducing eye strain, and lowering power consumption and heat generated from the lights. Reduction in these properties effectively lowers your electricity bill.

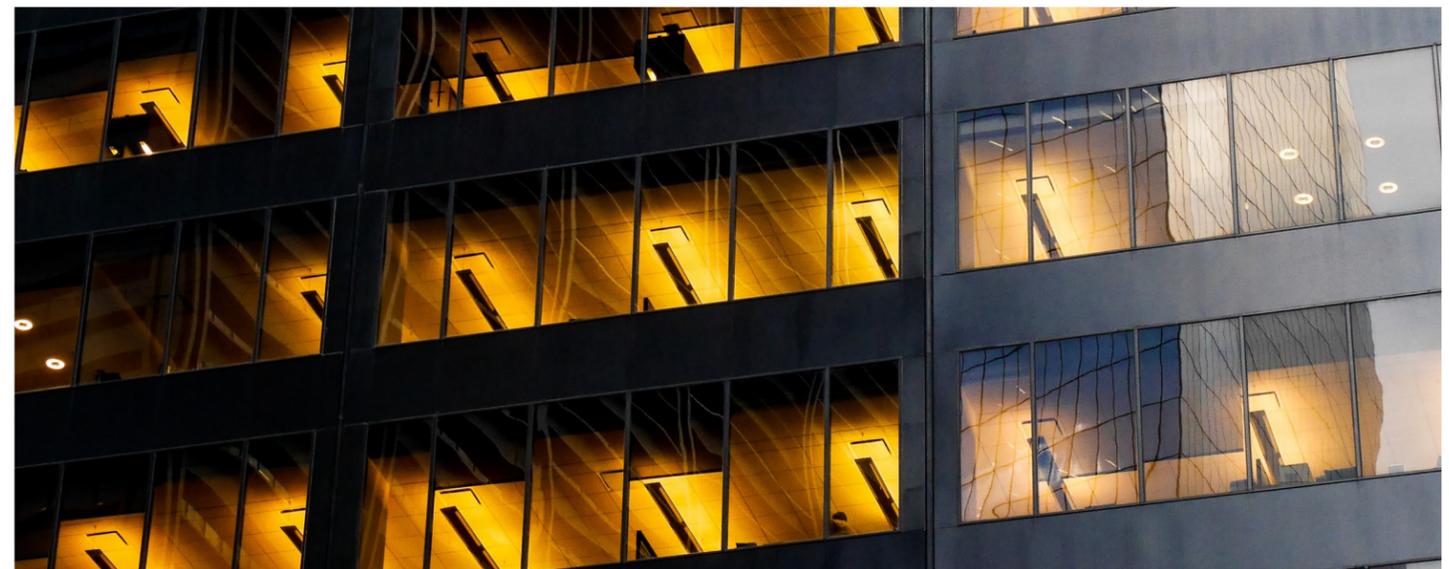
 LED lighting systems are a green option.

 Use less energy, save more money.

 Our system is easily scalable and customizable to fit your project.

No network **is too large.**

The iCon's 150 foot Bluetooth range and BLE Dimmer's 50 foot Bluetooth range means that your network can be easily configured to endlessly expand and fit your needs – no connective wires or hardware required. This makes the Amptek Technologies system ideal for large-scale environments, such as in commercial, industrial, and residential settings. A proprietary Bluetooth Low Energy network protocol ensures each zone operates securely and independently.



Make your system hands free.

Equip your system with a network of iCon Sensors to enable the automatic adjustment of your LED luminaires based on real-time activity in your building. The iCon Sensor is embedded with an Infrared (PIR) and Ultrasonic to detect motion. The Photocell sensor detects different levels of ambient light to ensure that your lights only power your building when needed.

Each of your zones can hold multiple iCon Sensors to cover areas of any size for optimum coverage. Integrating these sensors into your network ensures that your zones are only active when the space is being used, saving you energy and money.

-  Automate your system to make your network even smarter.
-  An Infrared (PIR) and Ultrasonic sensor detects motion in your network.
-  A Photocell sensor detects various levels of ambient light.



Specifications

BLE Dimmer

Hardware, firmware, and certification details for the Bluetooth Low Energy Dimmer.

Hardware	Firmware	Certifications
Universal 100-375 VAC, 50/60Hz 0-10 VDC, 20mA dimming output 18 AWG wires (LINE, NEUTRAL, DIM+, DIM-)	Built-in BLE Stack	ETL CE FCC IP55
Bluetooth Low Energy V4.2		
Dimensions (Length x Width x Height): 100.0 mm x 50.0 mm x 25.5 mm		

Specifications

iCon Sensor

Hardware and certification details for the iCon Sensor.

Hardware	Certifications
Input: 100-375 VAC , 50/60Hz, 13A Output: 100-375 VAC, 13A Max, 4000VA Max Infrared motion sensor range: 360 degrees, 5.5 meter radius Ultrasonic motion sensor range: 4 meters Bluetooth Low Energy V4.2 Dimensions (Length x Width x Height): 122.0 mm x 128.0 mm x 36.0 mm	FCC ID: QOQBGM113 IC: 5123A-BGM113 ETL: Certified to CSA C22.2 No 60950-1, Conforms to UL Std. 60950-1.

We want to help you on your next project.

With our expertise and experience, we are eager to be part of your next project! Contact us today to get started.

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