

Individual Spec Sheet

INDOOR/OUTDOOR LOW VOLTAGE FIXTURE CONTROLLER

FIELD INSTALLABLE *

Integrated Bluetooth® Mesh Technology



ORDERING INFORMATION







Model number: CTRL-KBC1-002-WAVE
UPC: 753454007094
DLC ID: N-8VMDZM

This low-voltage fixture controller can be used on indoor and outdoor environments. With a 328 ft transmission range and a built-in IP66-rated housing, it ensures reliable, long-distance communication and durability in harsh environments, seamlessly operating within the Wave Smart system luminaires that have a compatible Wave receptacle. When grouped with indoor smart sensors with daylight harvesting (DSI-PIR106-WAVE), the controller enables unified behavior when motion is triggered, ensuring all devices in the group respond in the the same manner. When used outdoors, to enable automatic operation, assign a schedule to the controller using the Wave app.

Features

- Wireless connectivity: Links to other Wave devices
- Antenna: Enhanced long-range capability
- Suitable for indoor and outdoor wet locations
- Magnetic reset function: Factory settings restored by 3-second magnet proximity

TECHNICAL SPECS			
INPUT VOLTAGE:	12 V DC	COLOR:	Black
INPUT CURRENT:	41 mA Max	OPERATING TEMPERATURE:	-30 °C to 65 °C (-22 °F to 149 °F)
INPUT POWER:	0.5 W	STORAGE TEMPERATURE:	-30 °C to 85 °C (-22 °F to 185 °F)
OUTPUT CURRENT:	10 mA Max	HOUSING MATERIAL:	UL 94-5 VA
OUTPUT POWER:	0.1 W	BLUETOOTH® TRANSMIT:	328 ft Max
DIMMING:	Class 2, 0-10 V DC 10 mA Max	RADIO FREQUENCY:	2.4 GHz ± 75 MHz
SINKING CURRENT:	10 mA Max	IP RATING:	IP66

COMPATIBLE ACCESSORY (ORDER SEPARATELY)

Model number	Description
CTRL-KBO-003-WAVE	Outdoor Arm Extension Adapter Black



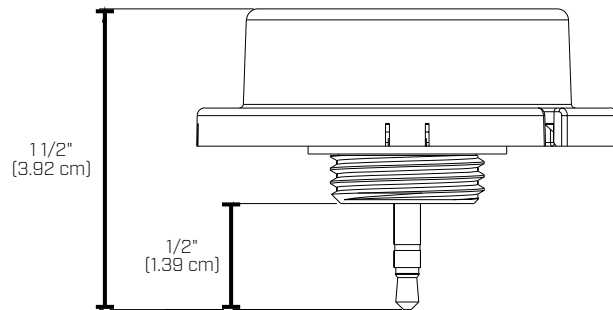
* The fixture needs to have an audio jack receptacle to be compatible.

This lighting equipment meets requirements of ICES-005 issue 5 class B for use in residential applications. Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

COMPATIBLE LUMAIRES

Series	Model number
FSB	FSBS-PS150W-323CBR
	FSBM-PS300W-323CBR
	FSBL-PS450W-323CBR
	FSBS-PS150W-323CBK
	FSBM-PS300W-323CBK
	FSBL-PS450W-323CBK
	FSBS-PS150W-3222KB
	FSBM-PS300W-3222KB
W16S GEN. 5	W16S-PS40B-323CBR
	W16S-PS100B-323CBR
	W16S-NS120B-323CBR
	W16S-PS40B-323CBK
	W16S-PS100B-323CBK
	W16S-NS120B-323CBK
HBRV	HBRV-PS150-32/3C-B
	HBRV-PS240-32/3C-B
	HBRV-PS180-32/3C-B

DIMENSIONS



PLUG & PLAY

Plug & Play controller making the fixtures Smart!
CTRL-KBC1-002-WAVE is compatible with our FSB, W16S GEN. 5* and HBRV Series.
Not compatible with OSI-PIR106-W-WAVE and OSI-PIR106-W2-WAVE.

FSB SERIES



Smart ready Flood / Area light

W16S GEN. 5 SERIES



Wall pack - smart compatible option

HBRV SERIES



Smart ready high bay

*Customizable with the addition of an auxiliary receptacle for smart accessories

Qty	Description	Price

I accept the specifications of the luminaire configuration mentioned above.

Name: _____
Company: _____
Signature: _____

Date: _____

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Aimlite customer service representative to confirm inventory levels at time of order.

WAVE CONTROL SYSTEM FEATURES

Wave is Aimlite's smart brand of lighting and emergency lighting. Integrating the latest in Bluetooth® Mesh technology, Wave products allow for customizable features that can be adjusted at your fingertips using a smartphone or other compatible devices. This system is easy to use, versatile and futureproof! Please see below for some of the key features¹ of the Wave control system:



LIGHTS

Instantly control the color temperature, wattage, lumen output and dimming.



GROUPS

Easily group luminaires together and control them as a single unit.



SCENES

Customize your lighting through scenes and create different atmospheres for occasions and activities.



SCHEDULES

Set schedules to specify dates, times and recurrence patterns for changing the settings of your lighting.



SENSOR

Adjust the integrated PIR motion sensor and daylight harvesting settings.



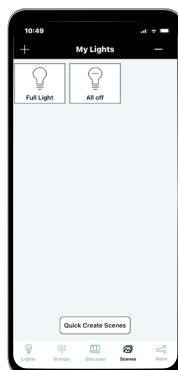
Lights

- Add
- Name or Rename
- Dimming and Color Tuning
- Delete
- Sensor Settings



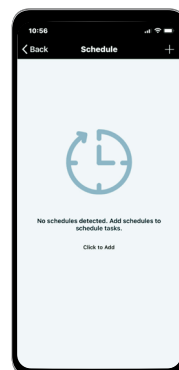
Groups

- Create
- Rename
- Delete
- Add or Remove Lights
- Adjust Group Linkage Level
- Turn On/Off
- Adjust Group Dimming
- Activate Auto Mode



Scenes

- Create
- Edit
- Delete



Schedules

- Creating
- Associate a Schedule To Lights, Groups, or Scenes
- Set a Repeating
- Set Fade Time
- Delete
- Enable Or Disable



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Instruction Guide

¹ Please note that the features mentioned are part of a broader range of characteristics relating to the Wave Ecosystem and may not be applicable to this specific product. Customers are advised to review the product specifications carefully to understand their capabilities

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