

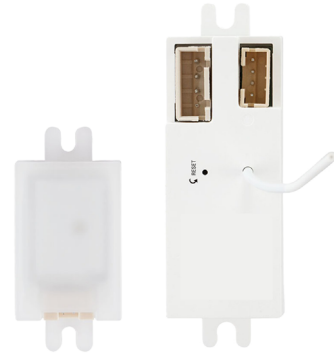
## Individual Spec Sheet

# INTEGRATED FIXTURE ADAPTER AND HIGH FREQUENCY SENSOR KIT

## FIELD INSTALLABLE \*







### ORDERING INFORMATION

**Part number:** KIT-SENS-ADAP-WAVE  
**UPC:** 753454007292  
**DLC ID:** N-45JMFV



This kit consists of a High Frequency Motion Sensor (OSI-MW105E-WAVE) and an Integrated Fixture Adapter (CTRL-KBC1-001-WAVE). The sensor can be easily integrated into luminaires for control applications alongside our smart Bluetooth® accessories. It supports time delay and bi-level dimming settings. The Fixture Adapter enables Luminaire Level Lighting Control (LLLC) in a compact design, allowing for seamless integration into existing luminaire housings. It is easy to install, sensor-ready, and powered by a 12 V DC input from dimmable dim-to-off LED drivers, providing connectivity to non-Bluetooth® sensors. Both accessories can be paired with our Wave app via smartphone.

SENSOR TECHNICAL SPECS (OSI-MW105E-WAVE)			
<b>INPUT VOLTAGE:</b>	12 V DC	<b>OPERATING TEMPERATURE:</b>	-30 °C to 55 °C (-22 °F to 131 °F)
<b>INPUT POWER:</b>	0.1 W	<b>STORAGE TEMPERATURE:</b>	-30 °C to 85 °C (-22 °F to 185 °F)
<b>COLOR:</b>	White	<b>IP RATING:</b>	IP20

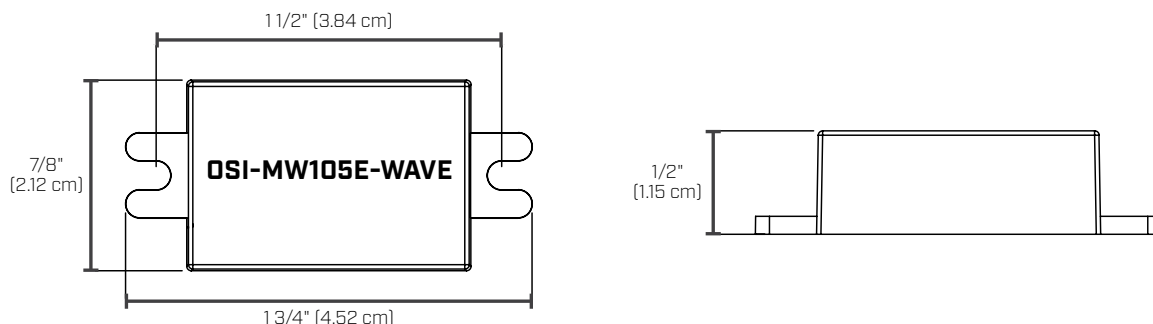







\* Applies only to CTRL-KBC1-001-WAVE

### COMPATIBLE LUMINAIRES

SERIES	PART NUMBER
VPL4 GEN. 3	VPL4-3-PS132-3C
	VPL4-3-PS232-3C
VPL4-L GEN. 2	VPL4-PS42B-32-3C
	VPL4-PS65B-32-3C
VPL8-L GEN. 2	VPL8-LA1B-32-3C
	VPL8-PS110B-32-3C

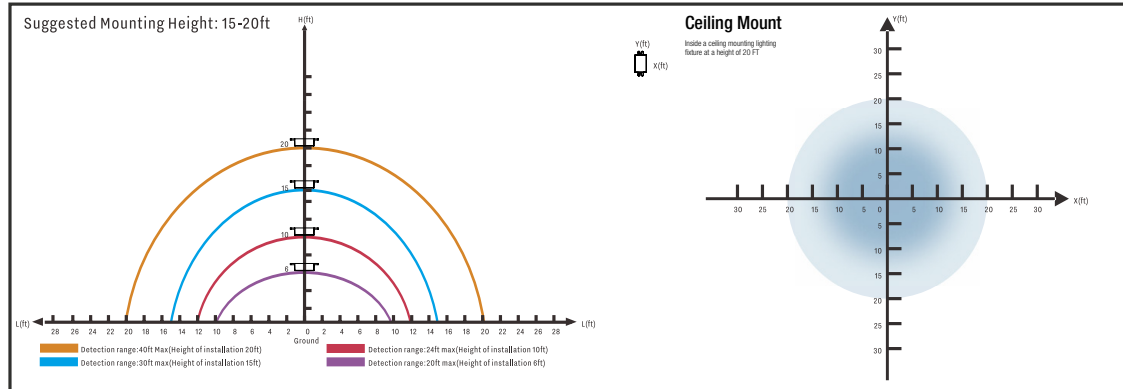
### SENSOR DIMENSIONS (OSI-MW105E-WAVE)



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.

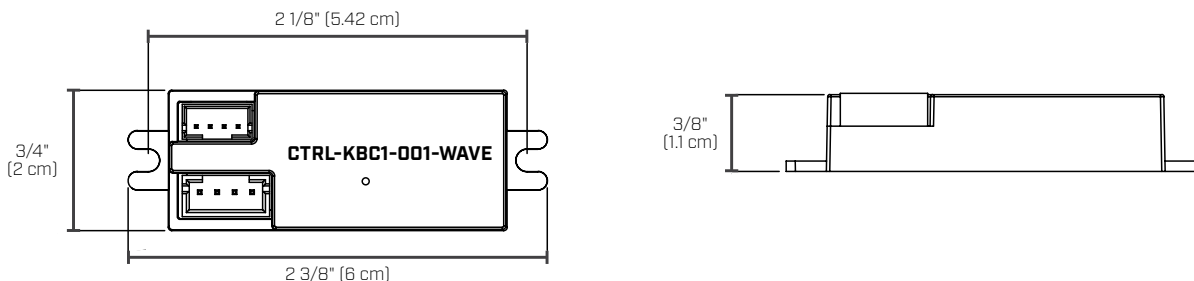
## SENSOR MOUNTING AND DETECTION RANGE (OSI-MW105E-WAVE)

Mounting Height	20 ft (6 m) Max
Detection Range	20-40 ft (6 m-12.2 m) depending on mounting height



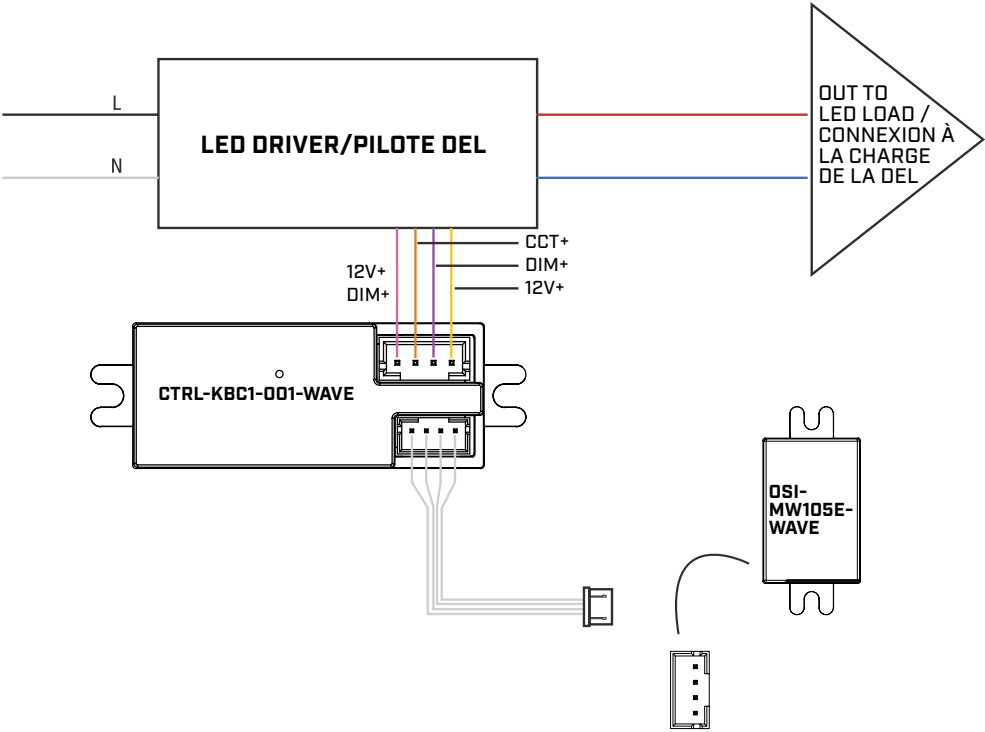
FIXTURE ADAPTER TECHNICAL SPECS (CTRL-KBC1-001-WAVE)			
INPUT VOLTAGE:	12 V DC	SINKING CURRENT:	10 mA Max
INPUT CURRENT:	45 mA Max	COLOR:	White
INPUT POWER:	0.5 W	OPERATING TEMPERATURE:	-30 °C to 55 °C (-22 °F to 131 °F)
OUTPUT VOLTAGE:	10 V DC	HOUSING MATERIAL:	UL 94-V0
OUTPUT CURRENT:	10 mA Max	BLUETOOTH® TRANSMIT:	200 ft Max
OUTPUT POWER:	0.1 W	RADIO FREQUENCY:	2.4 GHz ± 75 MHz
DIMMING:	Class 2, 0-10 V DC 10 mA Max	IP RATING:	IP20

## FIXTURE ADAPTER DIMENSIONS (CTRL-KBC1-001-WAVE)



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.

WIRING DIAGRAM



Qty	Description	Price

I accept the specifications of the luminaire configuration mentioned above.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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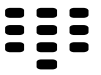
## WAVE CONTROL SYSTEM FEATURES

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 features<sup>1</sup> 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.



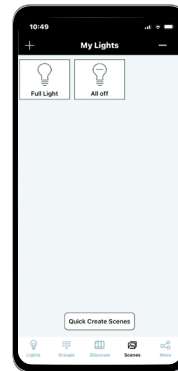
### Lights

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



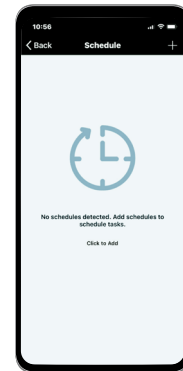
### Groups

- 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

<sup>1</sup> 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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