

Long Range DC Fixture Controller



WPPA102-BH4-W

WPPA102-AUX-W

WPPA102-Z10-W

mating receptacle(not included in the product package)



BH4W



WSC01-AUX



Zhaga-Z10



WSC03-AUX



FEATURES

WPPA102-W has enhanced antenna with 328ft transmit distance, is ideal for outdoor applications, with longer distances between system nodes. Outdoor IP66-rated controller housing features a black finish designed to complement commercial outdoor luminaires, with nylon UV-rated material.

- IP66 waterproof
- Black finish suitable for complementing commercial outdoor luminaires
- 4-pin design enables color-tuning
- Enables wireless linking to other Keilton devices

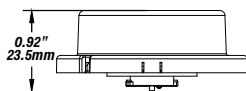
Note:

- Requires Dim-to-Off LED drivers
- Requires Keilton BH4W receptacle

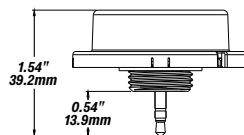
DIMENSION

Unit: inch/mm

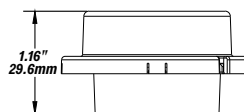
WPPA102-BH4-W



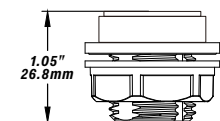
WPPA102-AUX-W



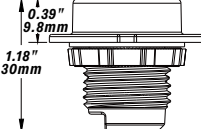
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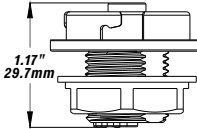
BH4W



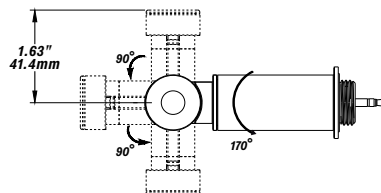
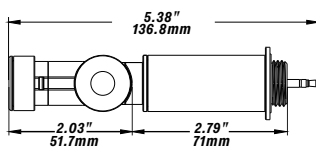
WSC01-AUX



Z10



WSC03-AUX



SPECIFICATIONS

Input Voltage: DC 12V

Input Current: 41mA Max

Input Power: 0.5W

Output Current: 10mA Max

Output Power: 0.1W

Dimming: Class 2, 0-10V DC 10mA Max

Sinking Current: 10mA Max

Bluetooth Transmit: 328ft Max

Radio Frequency: 2.4GHz ± 75MHz

Bluetooth Version: 5.0

Housing Material: UL 94-5VA

Outdoor Use

Operating Temperature: -30°C to 65°C,
-22°F to 149°F

Storage Temperature: -30°C to 85°C,
-22°F to 185°F

IP Rating: IP66/Wet Location

Color: White/Black

Warranty: 5 years warranty

Complies to UL8750, UL1376, RoHS

Compliant Standard Interfaces:

Zhaga book 18

Safety: cULus Listed LED Controller

E504054

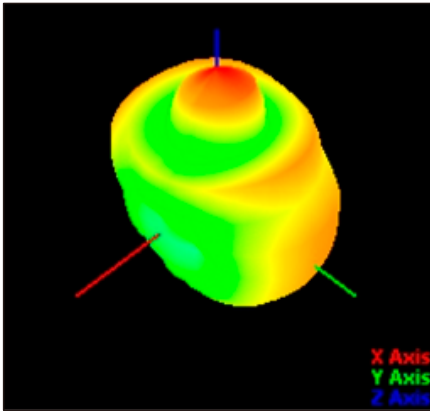
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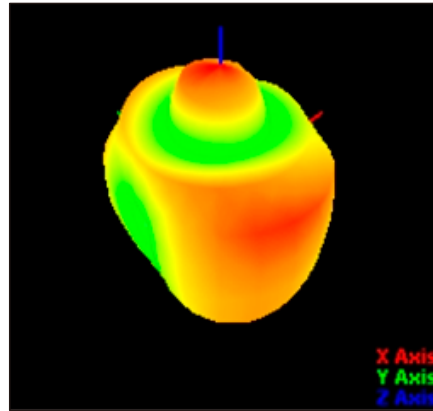
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MODEL	DESCRIPTION
WPPA102-BH4-W	Waterproof DC Fixture Controller - BH4 Base
WPPA102-AUX-W	Waterproof DC Fixture Controller - 3.5mm Audio Jack Base
WPPA102-Z10-W	Waterproof DC Fixture Controller - Zhaga Base

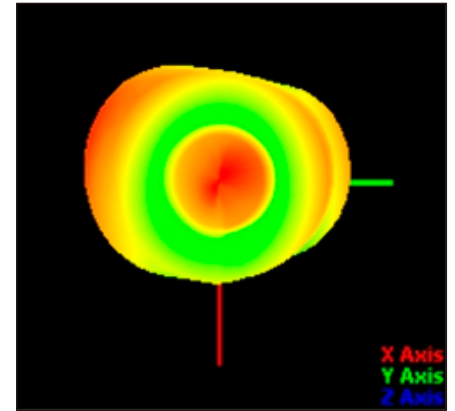
TRANSMISSION



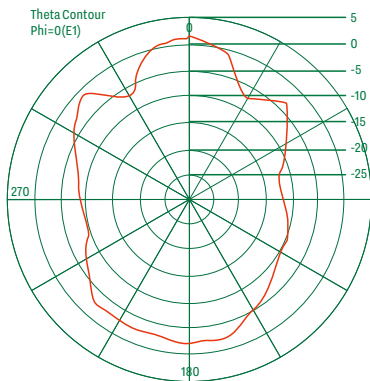
T45-P45



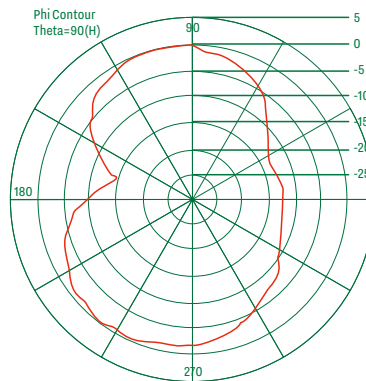
T45-P225



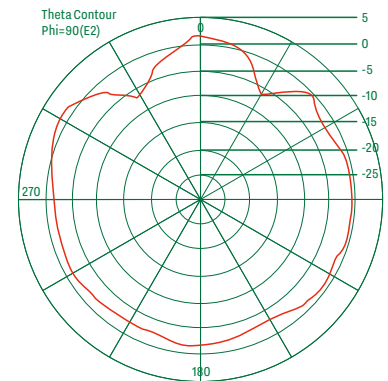
T0-P0



X0Z



XOY



YOZ

Wireless Signal Strength	
Transmission Distance	RSSI(dbm)
82ft(25m)	-75
164ft(50m)	-77
246ft(75m)	-86
328ft(100m)	-89

Note: The test transmission distance of two WPPA102-W

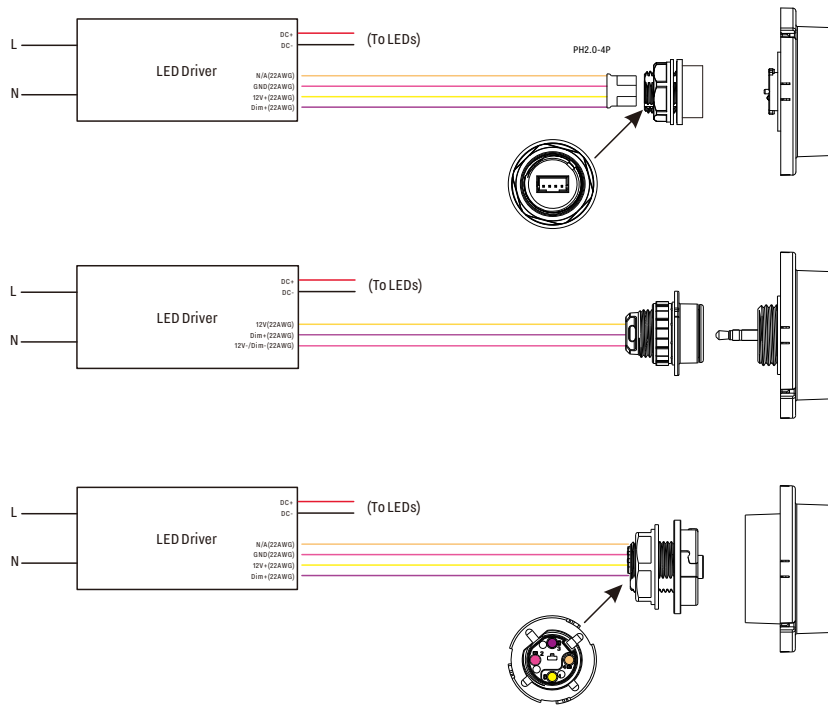


2.39
1.33
0.27
-0.79
-1.85
-2.91
-3.97
-5.03
-6.09
-7.15
-8.21
-9.27
-10.33
-11.39
-12.45
-13.51
-14.57
-15.63

Coordination System Description:

Line Color	XYZ	Theta-Phi
Red L.	Axis X	Theta90-Phi0
Green L.	Axis Y	Theta90-Phi90
Blue L.	Axis Z	Theta0

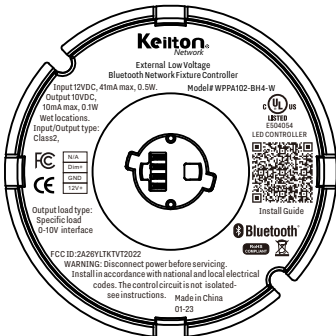
WIRING



½ inch US standard knockout

AMERICAN INCH PRODUCTS		
Size	T.P.I	Major Dia.
	inch	inch
R1/2	14	0.825

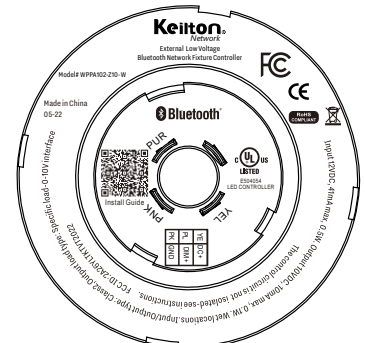
MARKING



WPPA102-BH4-W



WPPA102-AUX-W



WPPA102-Z10-W

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