



# Wi-Fi CERTIFIED™ Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org/certification/programs](http://www.wi-fi.org/certification/programs)

## Certification ID: WFA128110

### Product Info

|                              |   |
|------------------------------|---|
| <b>Date of Certification</b> | September 21, 2023  |
| <b>Company</b>               | Home Depot Product Authority, LLC   |
| <b>Product Name</b>          | 24 Light 48 ft. Indoor/Outdoor Plug in Integrated LED RGBW Edison Bulb RGBW Color Changing String Light with Music Sync |
| <b>Product Model Variant</b> | HB-2048SC-BK  |
| <b>Model Number</b>          | HB-2048SC-BK  |
| <b>Category</b>              | Smart Home  |
| <b>Sub-category</b>          | Smart Appliances (Small)  |

### Summary of Certifications

| CLASSIFICATION      | CERTIFICATION   |
|---------------------|---|
| <b>Connectivity</b> | 2.4 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n   |
| <b>Optimization</b> | WMM®  |
| <b>Security</b>     | Protected Management Frames<br>WPA2™-Enterprise 2018-04<br>WPA2™-Personal 2021-01<br>WPA3™-Enterprise 2020-02<br>WPA3™-Personal 2020-02<br>WPA™-Enterprise<br>WPA™-Personal |



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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

FreeRTOS, version:v 8.2.0

### Wi-Fi Component Firmware

v 7.0

### RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz         | 1             | 1            |

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 MHz Channel Width in 2.4 GHz

### Protected Management Frames

### WMM®

### WPA2™-Enterprise 2018-04

EAP methods  
EAP TLS  
EAP TTLS  
PEAPv0

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2020-02

EAP methods  
EAP TLS  
EAP TTLS  
PEAPv0

### WPA3™-Personal 2020-02

### WPA™-Enterprise

### WPA™-Personal

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

A-MPDU Tx  
Short Guard Interval  
STBC