



Maxlite® Casambi Mesh Zone Controller, 120-277V with Aux Output – Casambi

General Safety Information

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- DO NOT INSTALL DAMAGED PRODUCT!

WARNING: RISK OF ELECTRICAL SHOCK

- Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.
- All wiring connections should be capped with UL approved wire connectors.

CAUTION: RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.

CAUTION: RISK OF FIRE

- Keep combustible and other materials that can burn away from luminaire and lamp/lens
- Disconnect power and allow fixture to cool before changing bulb or handling fixture.

Device Overview

Wireless Single Channel Controller with Integral Relay – Casambi

Specifications

Input Voltage: 120-277VAC, 50/60Hz

Maximum Load: (20A Relay): 16A for Elec.Ballast, LED, CFL; 20A for Resistive

Aux. Power Output: 12VDC, 300mA

Load Control Input: Active High 10-14VDC, 30mA

Current Consumption: 100mA

Environment: Dry

Operating Temperature: -40°F to 104°F (-40°C to 40°C)

Storage Temperature: -40°F to 185°F (-40°C to 85°C)

Model:

NPP-ZC20AMW-CA

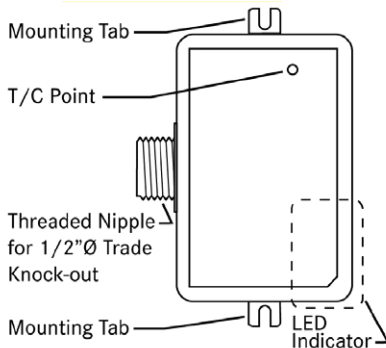


*Pictures are for illustration purposes only.
Your model may vary.*

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Wiring & Configuration

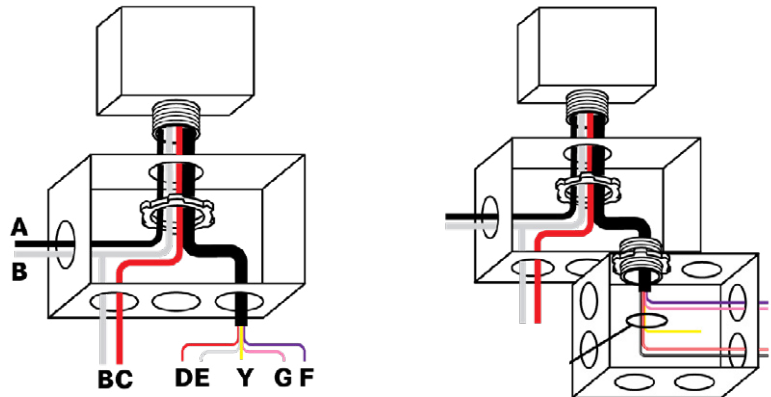
CAUTION: Turn off electrical power at fuse or circuit breaker box before wiring to the power supply.



Wire	Designation	Size
A BLACK	Line Input (120-277VAC)	#22 AWG, 7" (180mm)
B WHITE	Neutral Input (120-277VAC)	
C RED	Load Output	
D RED/WHITE	Aux Power Output (12VDC+, 300mA max)	
E BLACK/WHITE	Aux Power Output (12VDC-, 300mA max)	
F PURPLE	0-10VDC + Dim Output (Current Sinking, 100mA)	
G PINK OR GRAY	0-10VDC - Dim Output (Current Sinking, 100mA)	
Y YELLOW	Load Control Input (10-14VDC, 30mA max)	

Installation Instructions

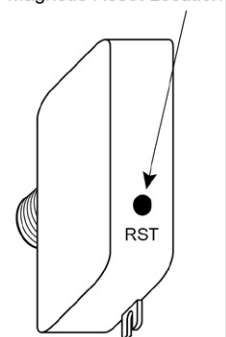
1. Check and confirm mains voltage input circuit is disconnected from power source.
2. Prepare the knock-out (KO) hole on junction box or electrical enclosure.
3. Pull all wire leads through the KO opening. Secure the nipple using the electrical nut provided.
4. Connect the 0-10V Dimming leads (if needed, otherwise cap off).
NOTE: Check with applicable codes to determine separation requirements for high/line voltage and low voltage leads.
5. Connect the 12VDC Auxiliary power leads (if needed, otherwise cap off).
6. Connect the Load Control Input lead (if needed, else cap off).
Note: Load Control Input signal should be Active High.
7. Connect the mains voltage Neutral Input lead.
8. Connect the Red load output lead.
WARNING: For multiple luminaires, connect the load and neutral leads before connecting Line Input.
9. Finally connect the mains voltage Line Input lead.
10. Re-energize the mains voltage input circuit.



Device Reset with Magnet

To factory reset the device, hold a magnet (with 20lb pull strength) against the dot labeled RST (reset). When the load/luminaire controlled by the controller cycles on/off 3 times then stays on, remove the magnet. The controller is now reset to factory conditions and ready to be reprogrammed.

Magnetic Reset Location



Commissioning Instructions

Refer to the Casambi Commissioning Guides for instructions. User will need to download the Casambi commissioning apps from either iOS App store or Android Google Play.



Casambi
iOS



Casambi
Android

Additional Information

For more information about this product visit:

<https://www.maxlite.com/cmax-network-partners-casambi>



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Troubleshooting

Condition	Action
The Status LED is OFF.	The device either is not powered or the daughterboard is missing/disconnected. Confirm the device is powered. If the device is powered and Status LED is still OFF, contact Customer Service.
The Status LED is OFF.	The Status LED ON indicates the device is powered. No action required; the device is operating as expected. Proceed with commissioning (if device is not yet commissioned).
Upon power up, the connected load energizes to 100% and does not respond to control input.	The device is powered and in an un-commissioned state. Proceed with commissioning the device.
Upon power up, the connected load energizes to the last known state (or level configured in the Casambi lighting network) and responds to control input.	The device is powered and in a commissioned state. The device is connected and operating on a Lighting Control System. No action is required.

Warranty Information

Maxlite Inc. warrants its products for a minimum period of **FIVE (5)** years from the earlier of the actual installation date or 90 days after the original date of purchase from a Maxlite authorized distributor/dealer (the “Warranty Period”), as follows: If a Product fails to operate during the Warranty Period as a result of defects in materials or workmanship, Maxlite will, at its option, repair it, replace it with the same or like Product.

Please refer to Maxlite’s website (at <http://maxlite.com/resources/warranties>) for the complete coverage details as well as the terms and conditions of our warranty. Please note that it is NOT a requirement to register your warranty in order to initiate a warranty claim unless a Ten Year warranty has been purchased separately, or when applicable and/or purchased separately, your warranty contains a replacement labor allowance.

Limitation of Liability

THIS WARRANTY IS EXCLUSIVE, AND IS THE SOLE REMEDY FOR ANY AND ALL CLAIMS, WHETHER IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND, IN ANY EVENT, SHALL BE LIMITED TO THE WARRANTY PERIOD SPECIFIED ABOVE. THE LIABILITY OF MAXLITE SHALL BE LIMITED TO THE TERMS OF THE EXPRESS WARRANTY SET FORTH HEREIN. IN NO EVENT WILL MAXLITE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL, LABOR COSTS, REMOVAL OR INSTALLATION COSTS, WHETHER OR NOT MAXLITE HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. UNDER NO CIRCUMSTANCES SHALL MAXLITE’S ENTIRE LIABILITY FOR A DEFECTIVE PRODUCT EXCEED THE PURCHASE PRICE OF THAT PRODUCT (EXCLUDING LABOR WARRANTY COVERAGE WHERE SPECIFICALLY OFFERED BY MAXLITE). WARRANTY SERVICES PROVIDED UNDER THESE TERMS AND CONDITIONS DO NOT ENSURE THE UNINTERRUPTED OPERATION OF PRODUCTS; MAXLITE SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY ANY DELAYS INVOLVING WARRANTY SERVICE.

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