

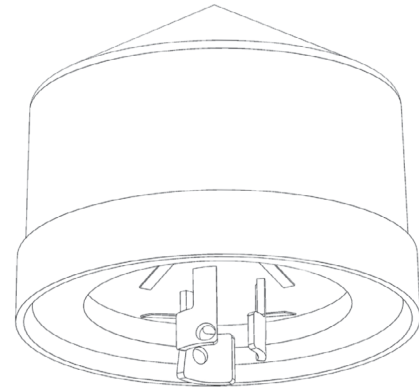
# Daintree™ Wireless Outdoor Lighting Controller (Node)

WANSI-277/480



## BEFORE YOU BEGIN

Read these instructions completely and carefully.  
Save these instructions for future use.



### ⚠ WARNING

**RISK OF ELECTRICAL SHOCK.** Disconnect power before servicing or installing product.  
**RISK OF INJURY OR DAMAGE.** Node may be damaged if not installed properly. Follow installation instructions.  
**INSTALL IN ACCORDANCE WITH NATIONAL ELECTRIC CODE AND LOCAL CODES.**

### ⚠ CAUTION

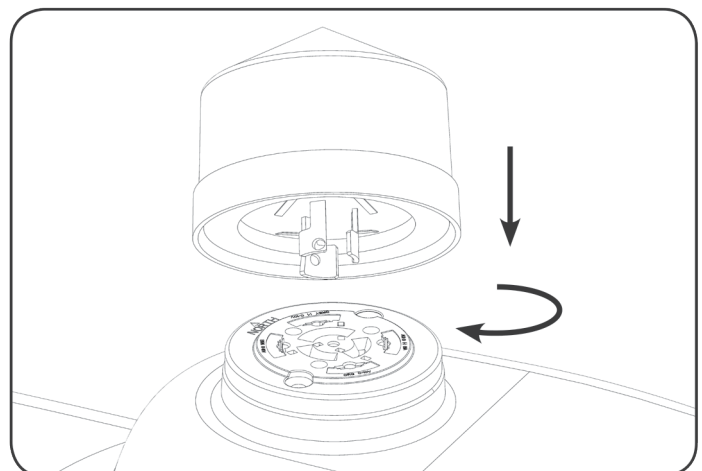
**RISK OF INJURY.** Wear safety glasses and gloves during installation and servicing.

## ① Preparation:

- **Install the Daintree Wireless Area Controllers (WAC60)** first  
Network start-up and meshing is simplified if the WACs are operating before installing Nodes.
- **Unpack Node**  
Inspect for defects before installing.
- **Check Electrical Ratings**  
Verify the fixture operating wattage is below 1000W, and the supply voltage at the pole is within the Node's specified range. Using a Node outside these limits voids its warranty.
- **Plan an Installation Route**  
Install Nodes nearest to the WACs first, and proceed outwards.
- **Verify that power to the WAC and Node is ON 24/7 constant power**  
The Daintree network will not operate properly with switched power from a master timer or photocell.

## ② Install the WANSI Node:

- **Check nearby poles**  
At the pole to be installed, confirm there is either a WAC or another active Daintree Node within 320 ft to ensure a communication path and is within the Node's RF range limits.
- **Plug in the node**  
Align the large blade with the large slot in receptacle. Plug in, and twist clockwise until it is locked in place. Energize the node and observe the luminaire light output.



- **Confirm the fixture dims and brightens during the first 1-2 seconds**

When the Node is powered on, it will turn the luminaire ON at full output and then rapidly dim and return the luminaire to full output. Visually confirm that the brightness of the luminaire dims and quickly increases after the node is energized to confirm that dimming is working properly. Note: applies only to dimmable fixtures with an ANSI 5 Pin or 7 Pin socket. Fixtures with a standard 3 Pin socket will not be dimmable.

### ③ Troubleshooting

- **The luminaire is not turning ON**

Check that the pole has power. The Node's relay is Normally Closed (NC), so the luminaire should turn ON when the Node is energized until a control command changes the luminaire operating state.

- **I did not see the dim and brightening sequence in the first 1-2 seconds**

Verify the fixture is a dimmable version. Unplug the node and plug it in again. If you still do not see the sequence, check that the driver dimming wires (Grey & Violet) are properly connected to the dimming leads of the ANSI socket. If the wiring is connected and the Node still does not dim the luminaire, try a new Node.

- **Verify the node's internal green, yellow, and red indicator LEDs are lit**

The Green LEDs (2) are power indicators. The Yellow LED indicates the node is paired with a WAC or adjacent node within its RF range. The Red LED is a dimming indicator with brightness proportional to the 0-10V dimming output. All 3 LED's colors are normally lit with proper operation. If all colors are not present try a new Node.

#### FCC Statements:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This Class [A] RFLD complies with the Canadian standard ICES-005. Ce DEFR de la classe [A] est conforme à la NMB-005 du Canada.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- To satisfy FCC/ISED RF exposure requirements a separation distance of 20 cm or more must be

#### CAN ICES-5 (B)/NMB-3(B):

This device complies with Industry Canada license-exempt RSS standards.

Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme aux normes RSS exemptées de licence de l'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes:

- Cet appareil ne doit pas provoquer d'interférences et
- Cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

Pour être conforme aux limites d'exposition aux ondes RF des normes FCC/ISED, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toute personne pendant son opération. Mettre en opération cet appareil à une distance plus rapprochée que 20 cm n'est pas permis.

#### Questions:

Web: LED.com

Phone: 1-866-855-8629

These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Current.