



Maxwell Thomas® LED OVERBED LIGHT

Owner's Manual

Please keep and refer to this Owner's Manual.

Thank you for purchasing a Maxwell Thomas® LED Overbed Light from Direct Supply Equipment & Furnishings®. Please read this entire guide carefully and keep it for future reference. This guide will provide you with instructions, warnings, warranty information and other important information about your overbed light. Share this information with your housekeeping, nursing and maintenance staff to help ensure the overbed light is cared for properly.

Warning

Read all safety precautions and installation instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in potentially fatal electric shock, bodily injury, fire and/or property damage.

It is recommended that a qualified electrician perform all wiring. This fixture must be wired in accordance with all national and local electrical codes.

Do not handle any energized fixture or attempt to energize any fixture with wet hands or while standing on a wet or damp surface or in water.

This fixture is designed for use in a 110 - 120V AC, 60Hz fused circuit. Do not use on a dimming circuit.

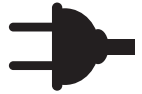
To reduce the risk of electrical shock, and to assure proper operation, this fixture must be adequately grounded. To accomplish proper grounding, there must be a separate ground wire (green) or bare metal contact (metal conduit) between this fixture and the ground connection of your main power supply panel. The green ground screw location is clearly marked on the fixture housing.

This fixture is intended to be used for general indoor lighting in dry locations only.

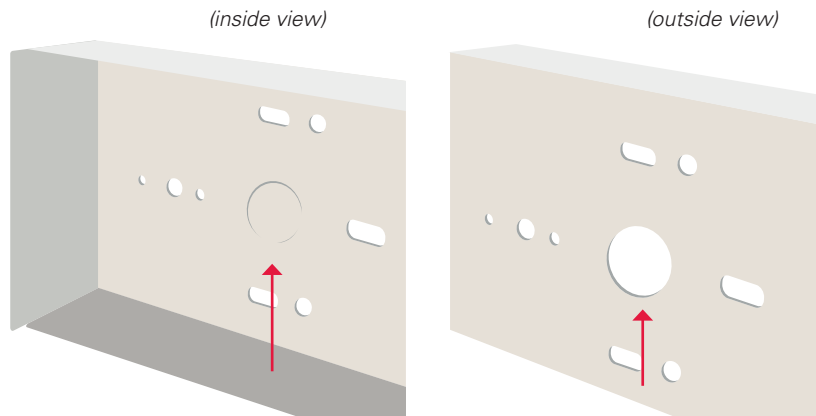
1. Preparing for Installation



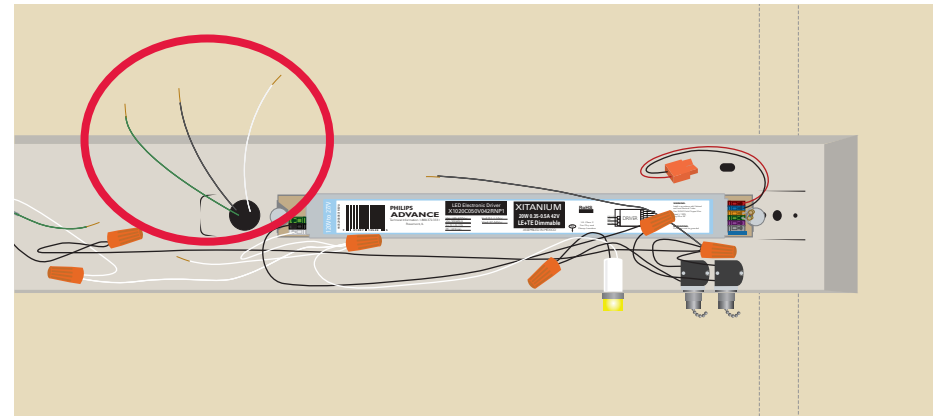
- A. Disconnect electrical power before installing or servicing any part of this fixture.



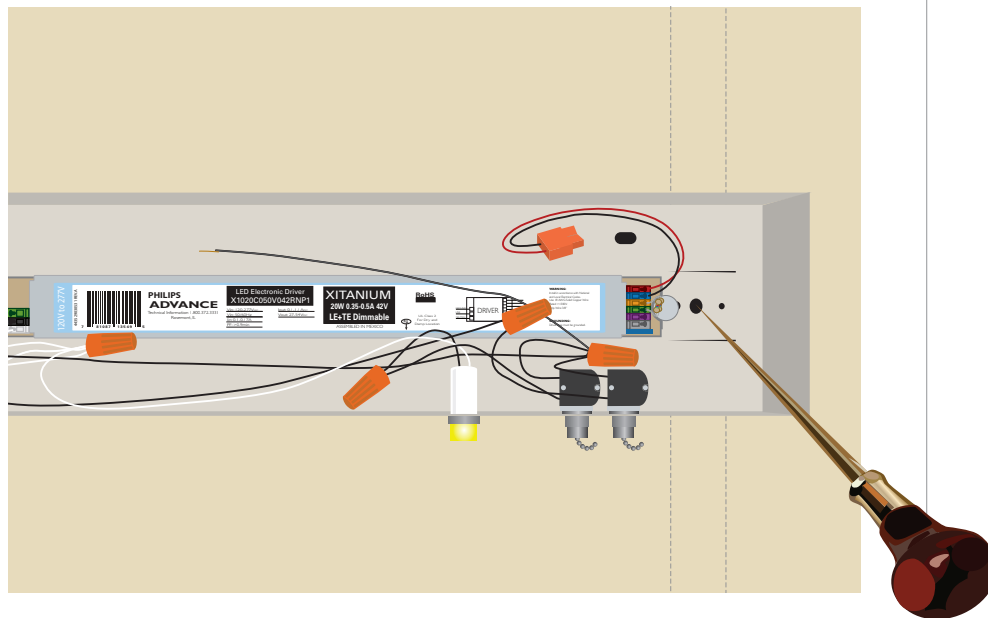
2. Fixture Mounting



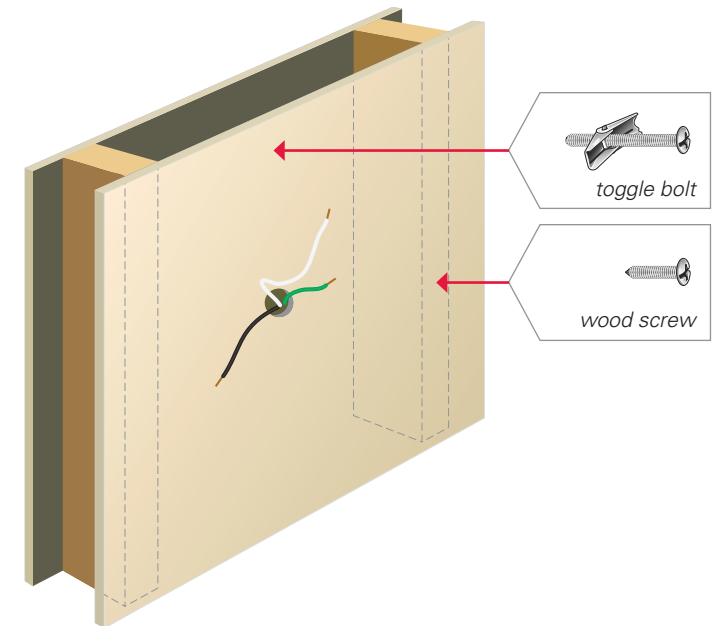
- A. Remove the appropriate knockout(s) located in channel for power supply entry.



- B. To locate, hold channel up to the wall with power supply knockout located over entryway for power supply wires.



- C. Mark the locations of the keyhole mounting holes on the wall.



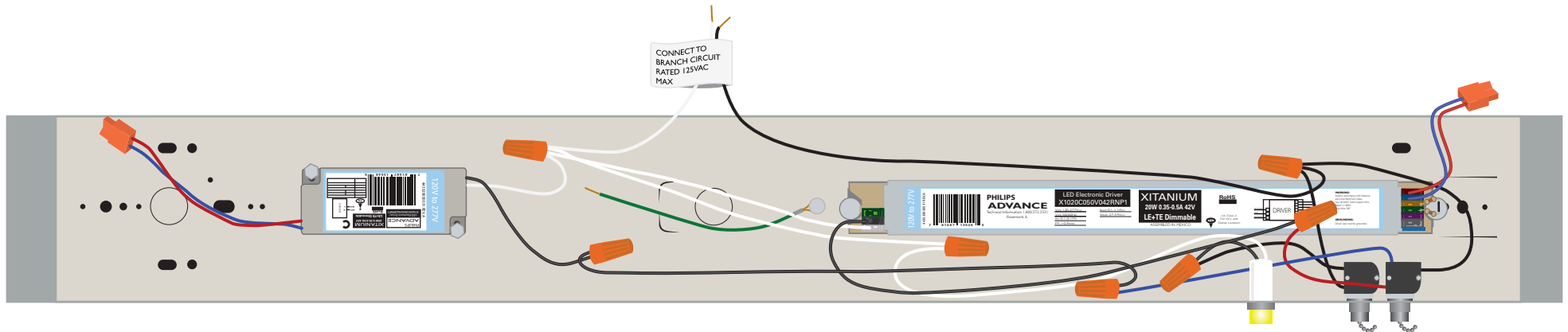
- D. Take the channel down and punch a small hole into the wall at each location using a nail or an awl to see if there is a wood joist. If there is a joist, use a suitable wood screw (not included) to mount the channel. Where there is no joist to screw into, use a toggle bolt (not included) of suitable length to mount channel securely to the wall.

3. Wiring

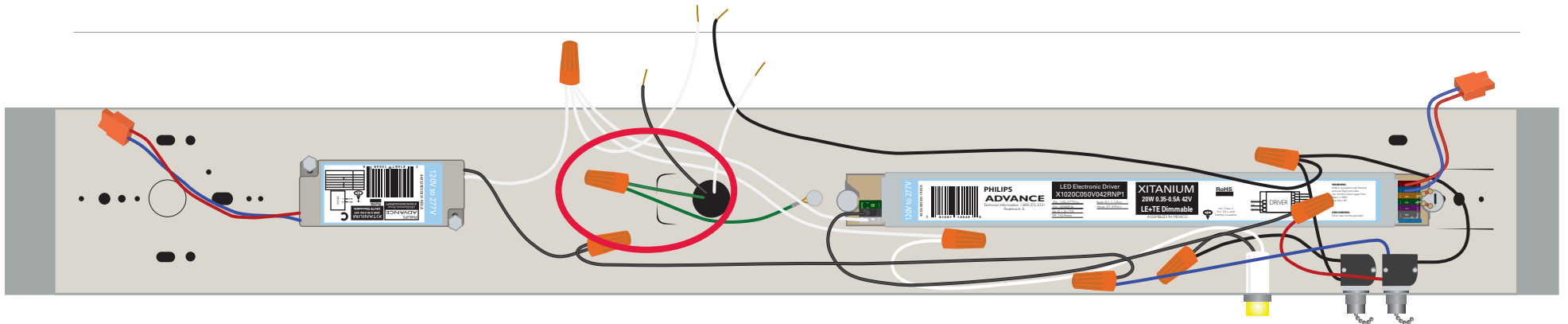
4-Position Pull Chain Switch Model

Warning

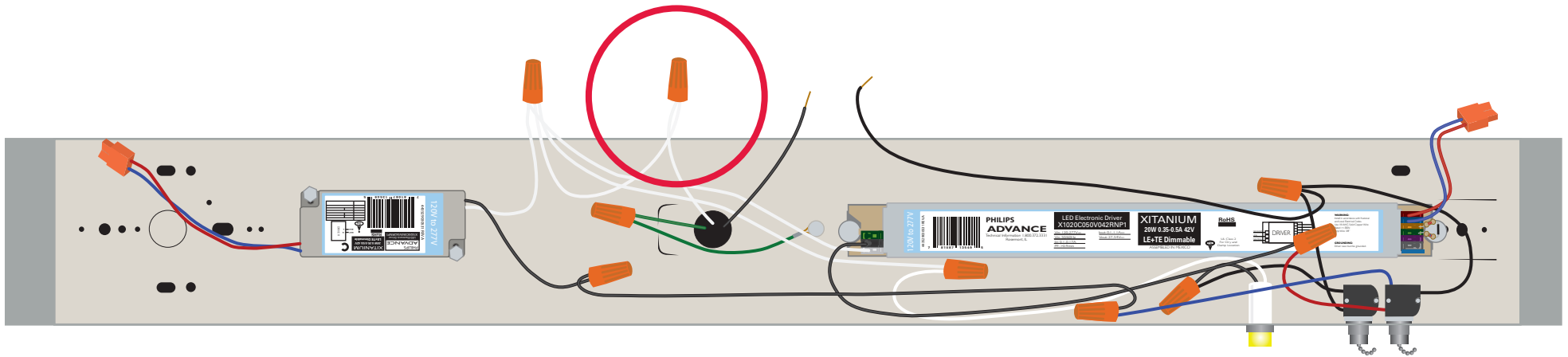
Make sure power is off at fuse or circuit breaker box. Check power wires for damage or scrapes. If power supply wires are within 3" of ballast, use wire suitable for at least 90°C (194°F). Note: Most dwellings built before 1985 have supply wire rated to 60°C. Consult a qualified electrician before installing.



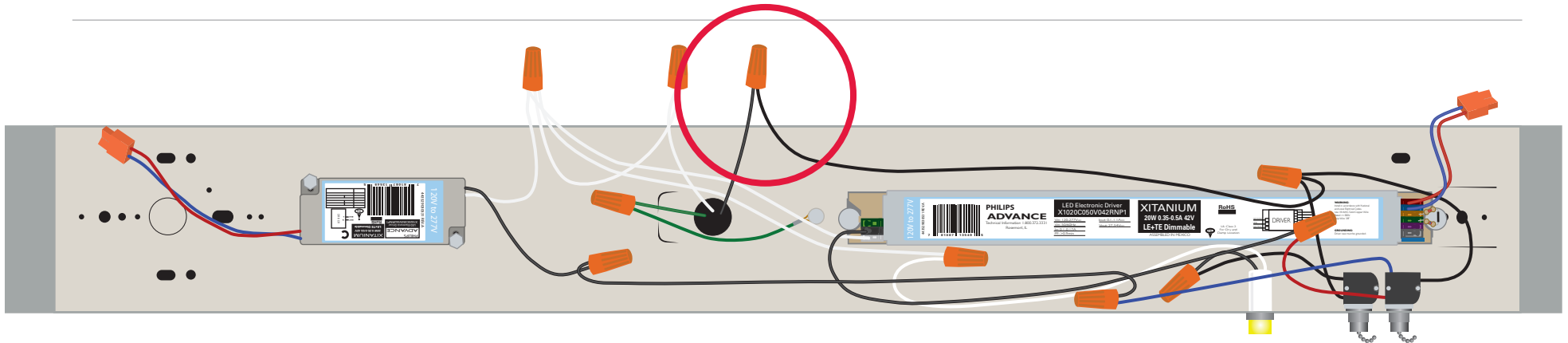
Initial appearance of the inside of the overbed light. Remove label on black and white wires prior to starting installation.



A. Ground – This unit will not operate properly unless connected to a “grounded” electrical circuit. Electrical shock, overheating, low or no light output, and shortened LED life can result if proper grounding is not done. Securely attach green (or green and yellow) wire to provided green ground screw.



B. White – Connect white supply wire to white lead from the LED drivers and nightlight.



C. Black – 4-position switch (4PSW)

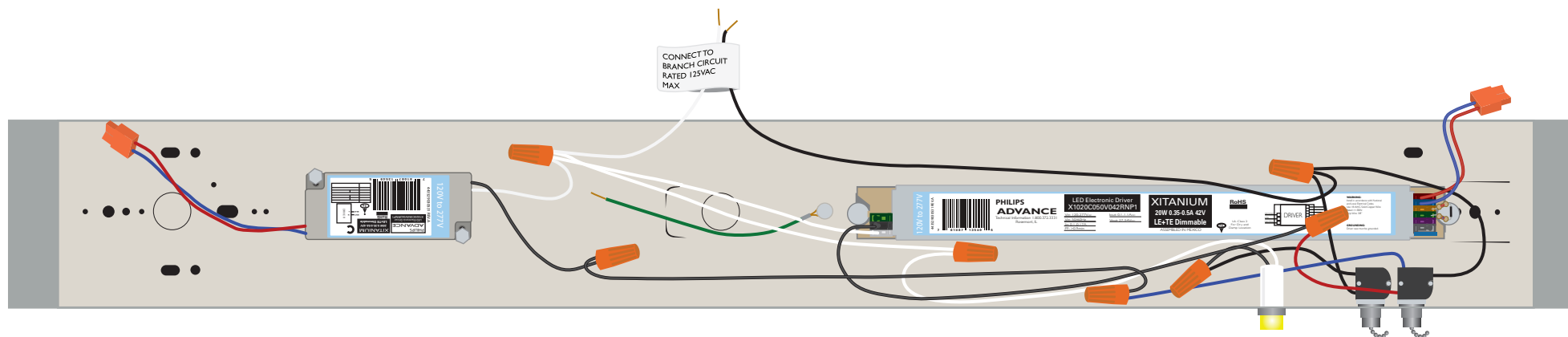
- 1) Constant hot black supply wire connects to the black lead from the nightlight (on/off) and 4PSW fixture switch. Pull chain then operates four different lighting options – 1) upper light, 2) lower light, 3) all lights, 4) off.

Key	
Black	Continuous Power Hot
White	Neutral
Green	Ground

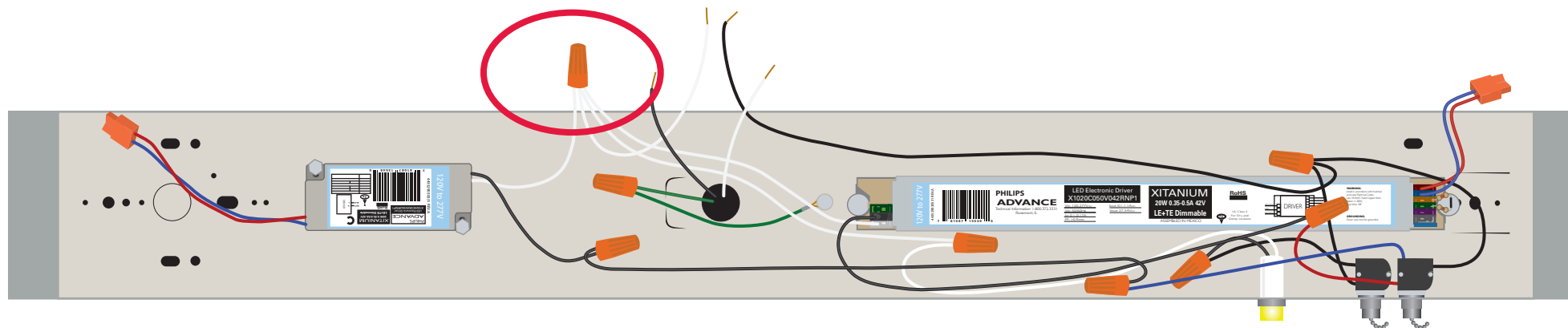
4-Position Pull Chain Switch Model with Wall-Switched Power Only

⚠ Warning

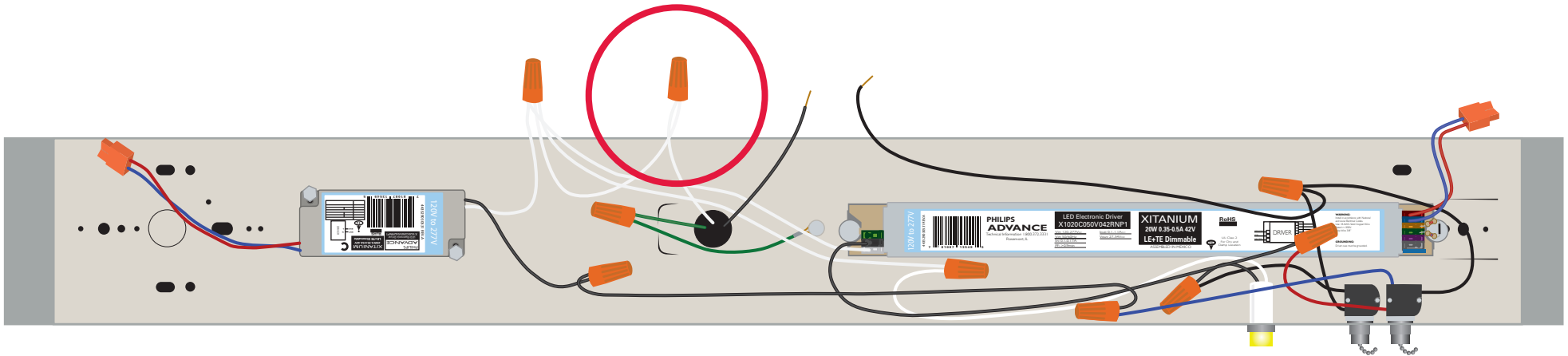
Make sure power is off at fuse or circuit breaker box. Check power wires for damage or scrapes. If power supply wires are within 3" of ballast, use wire suitable for at least 90°C (194°F). Note: Most dwellings built before 1985 have supply wire rated to 60°C. Consult a qualified electrician before installing.



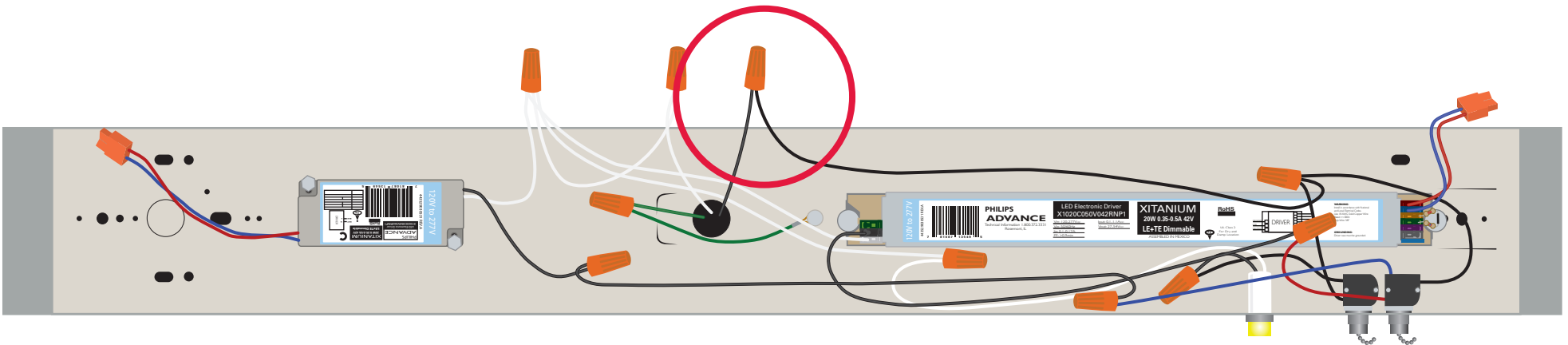
Initial appearance of the inside of the overbed light. Remove label on black and white wires prior to starting installation.



A. Ground – This unit will not operate properly unless connected to a “grounded” electrical circuit. Electrical shock, overheating, low or no light output, and shortened LED life can result if proper grounding is not done. Securely attach green (or green and yellow) wire to provided green ground screw.



B. White – Connect white supply wire to white lead from the LED drivers and nightlight.



C. Black – Wall switched

- 1) Wall-switched hot black supply wire connects to the black lead from the nightlight (on/off) and 4PSW fixture switch. Pull chain then operates four different lighting options (if wall switch is on) - 1) upper light, 2) lower light, 3) all lights, 4) off.

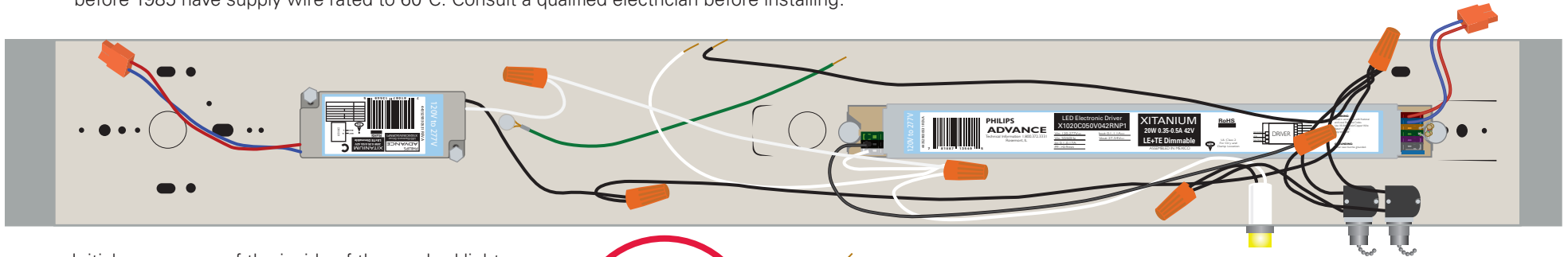
Key

Black	Wall-Switched Hot
White	Neutral
Green	Ground

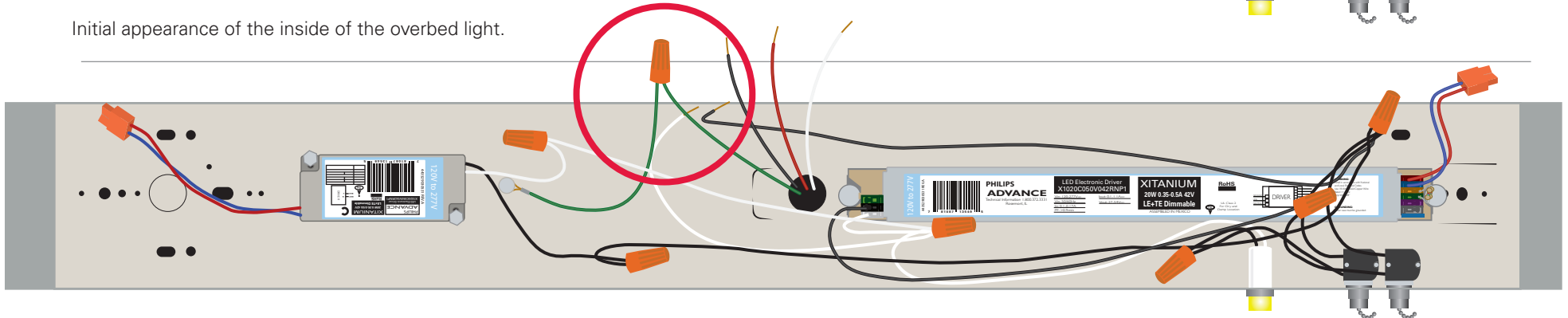
Wall-Switched Model with Continuous and Wall-Switched Power

Warning

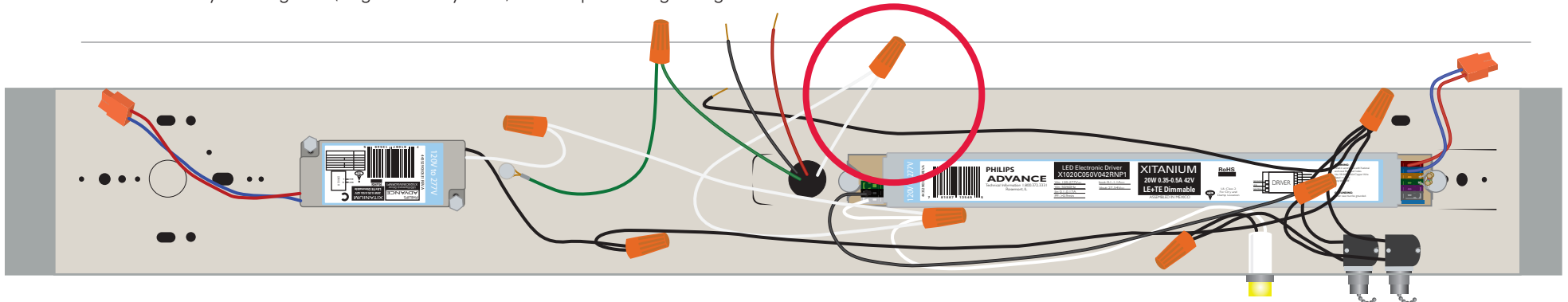
Make sure power is off at fuse or circuit breaker box. Check power wires for damage or scrapes. If power supply wires are within three inches of ballast use wire suitable for at least 90°C (194°F). Note: Most dwellings built before 1985 have supply wire rated to 60°C. Consult a qualified electrician before installing.



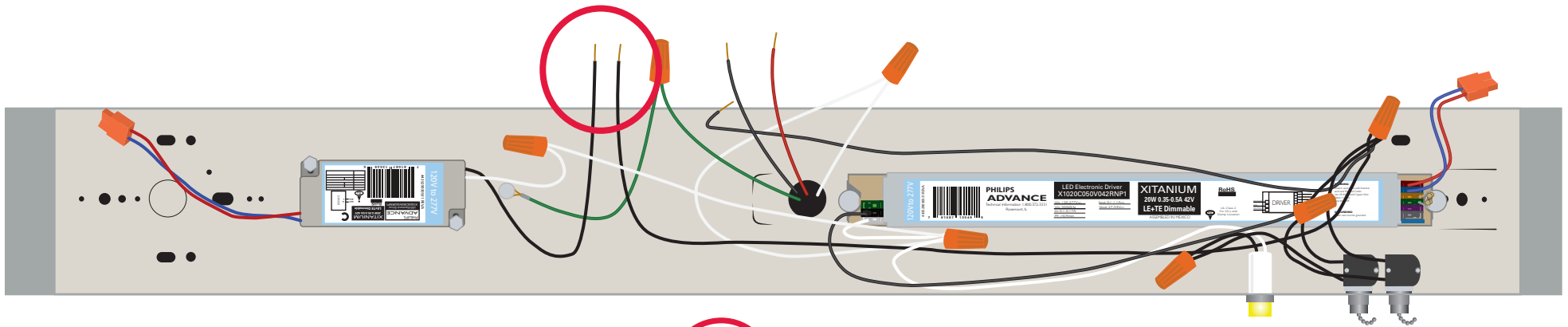
Initial appearance of the inside of the overbed light.



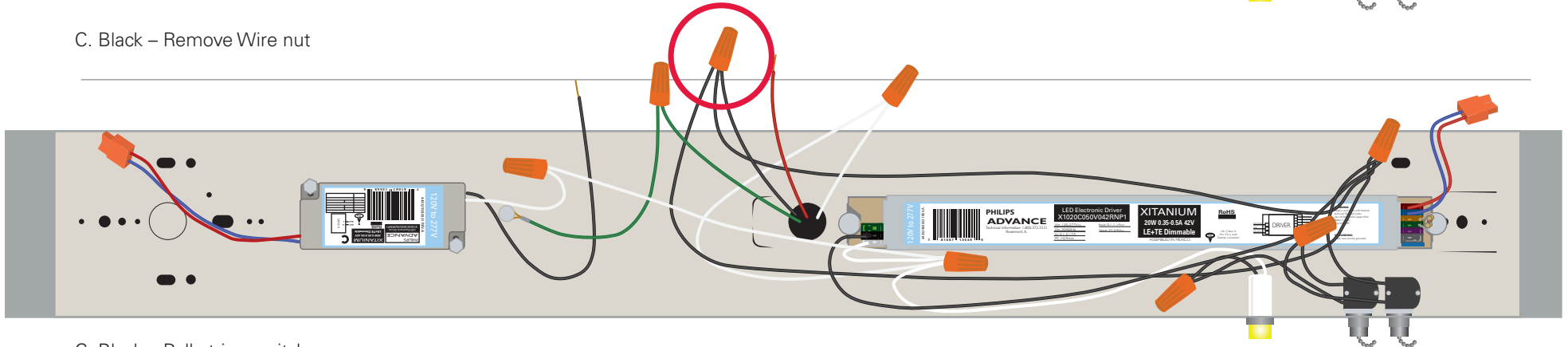
A. Ground – This unit will not operate properly unless connected to a “grounded” electrical circuit. Electrical shock, over heating, low or no light output and shortened LED life can result if proper grounding is not done. Securely attach green (or green and yellow) wire to provided green ground screw.



B. White – Connect white supply wire to white lead from the LED drivers and nightlight.

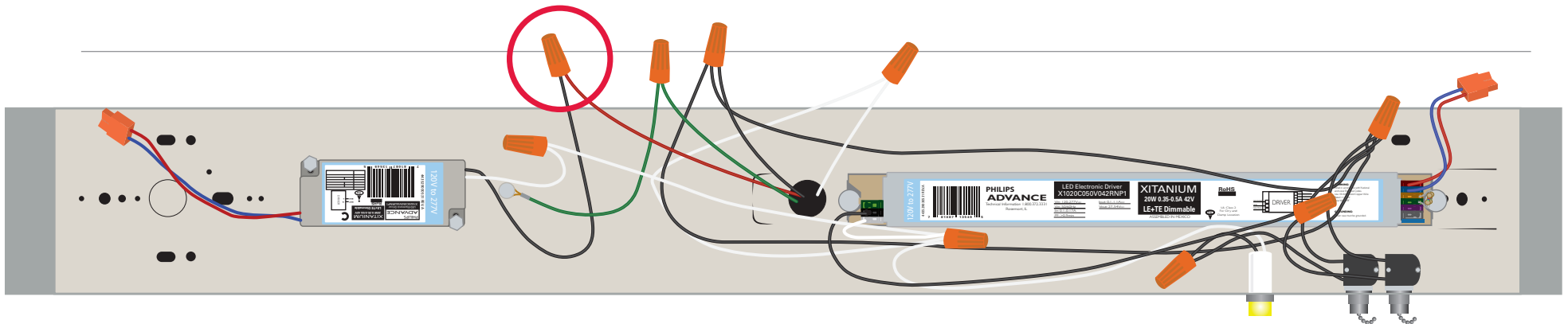


C. Black – Remove Wire nut



C. Black – Pull string switch

2) Constant hot black supply wire connects to the black leads from the nightlight (on/off) and pull string fixture switch. Pull chain then operates lower light.



C. Black – Wall switched

3) Wall-switched hot red supply wire connects to the black lead from driver (upper light). Wall switch then operates upper light.

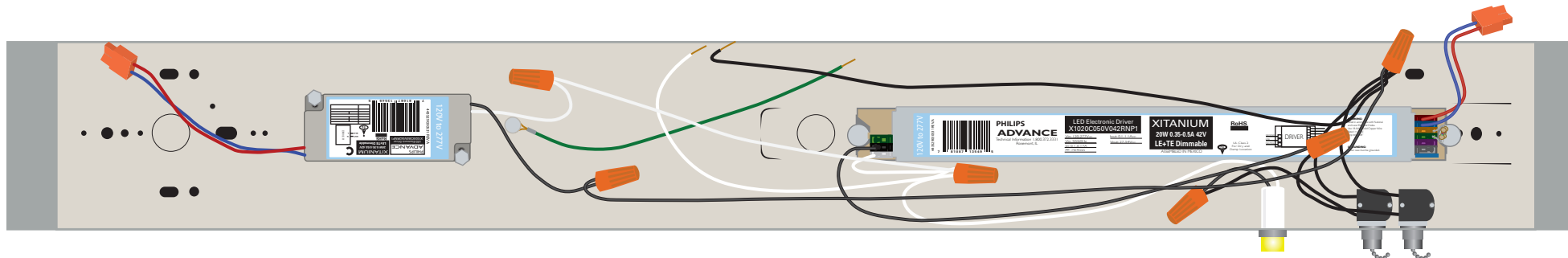
Key

Black	Continuous Power Hot
Red	Wall-Switched Hot
White	Neutral
Green	Ground

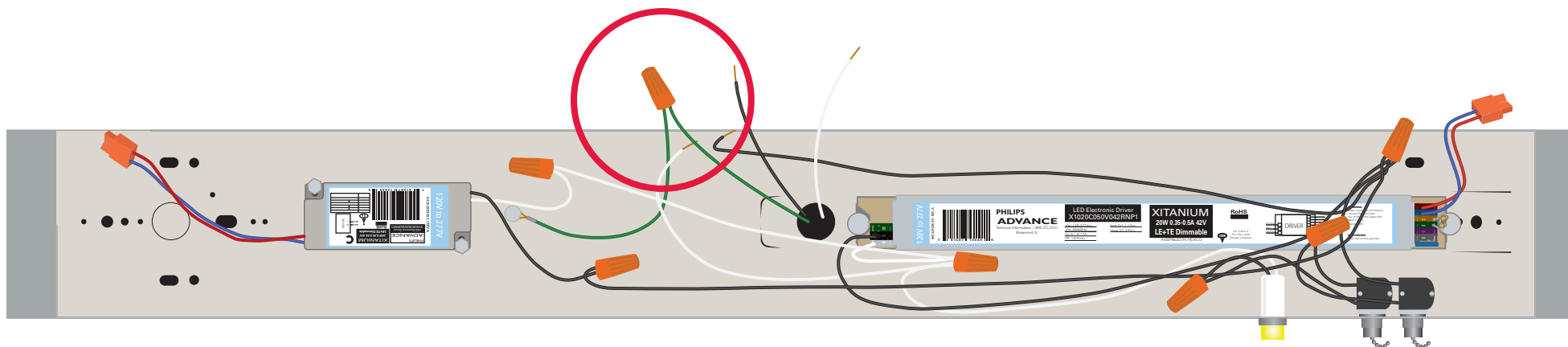
Wall-Switched Model with Wall-Switched Power Only

Warning

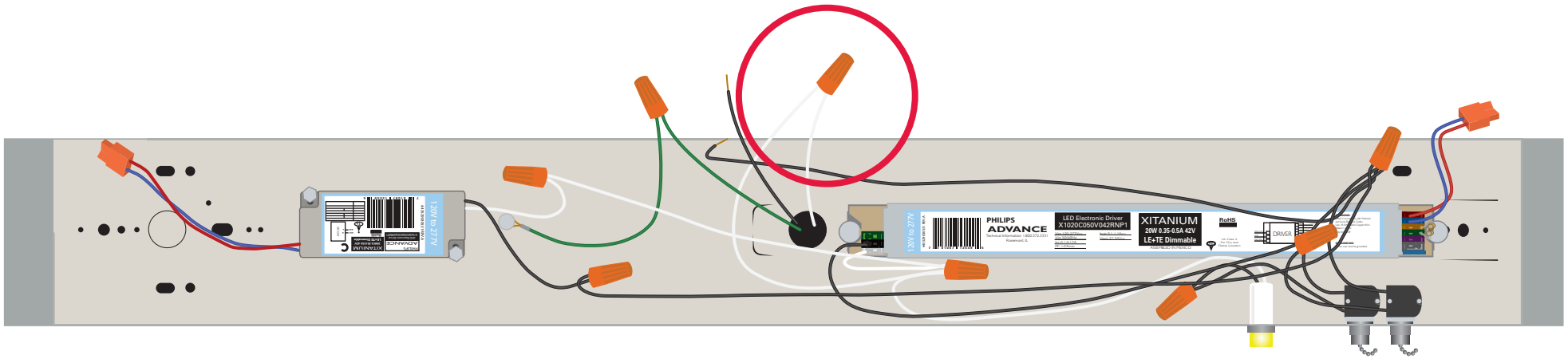
Make sure power is off at fuse or circuit breaker box. Check power wires for damage or scrapes. If power supply wires are within 3' of ballast, use wire suitable for at least 90°C (194°F). Note: Most dwellings built before 1985 have supply wire rated to 60°C. Consult a qualified electrician before installing.



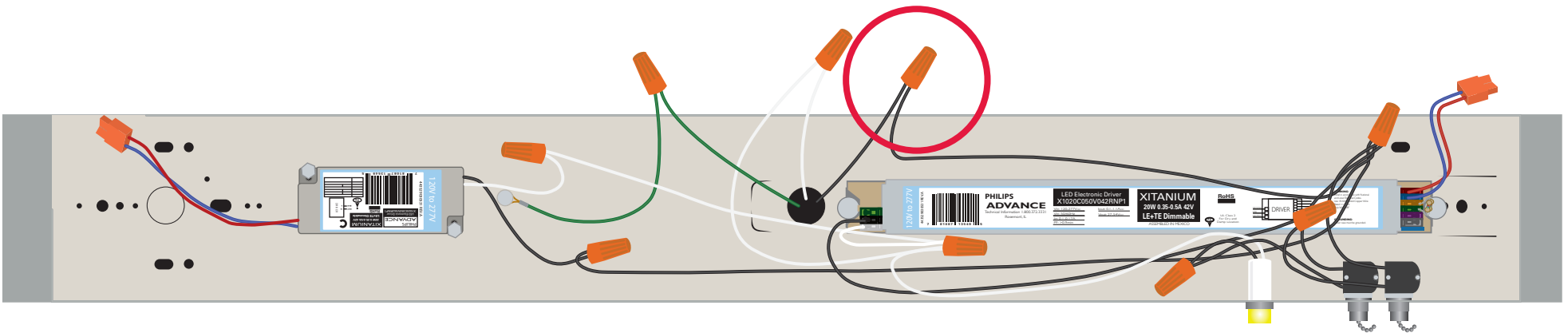
Initial appearance of the inside of the overbed light.



A. Ground – This unit will not operate properly unless connected to a “grounded” electrical circuit. Electrical shock, overheating, low or no light output, and shortened LED life can result if proper grounding is not done. Securely attach green (or green and yellow) wire to provided green ground screw.



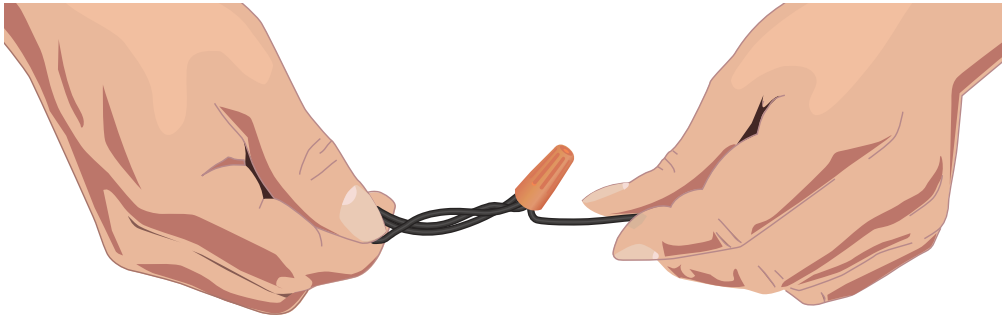
B. White – Connect white supply wire to white lead from the LED drivers and nightlight.



C. Black – Wall switched
 1) Wall-switched hot black supply wire connects to the black lead from the nightlight (on/off), pull string fixture switch and driver (upper light). Pull chain then operates lower light. Wall switch operates upper light and power to the lower light.

Key	
Black	Wall-Switched Hot
White	Neutral
Green	Ground

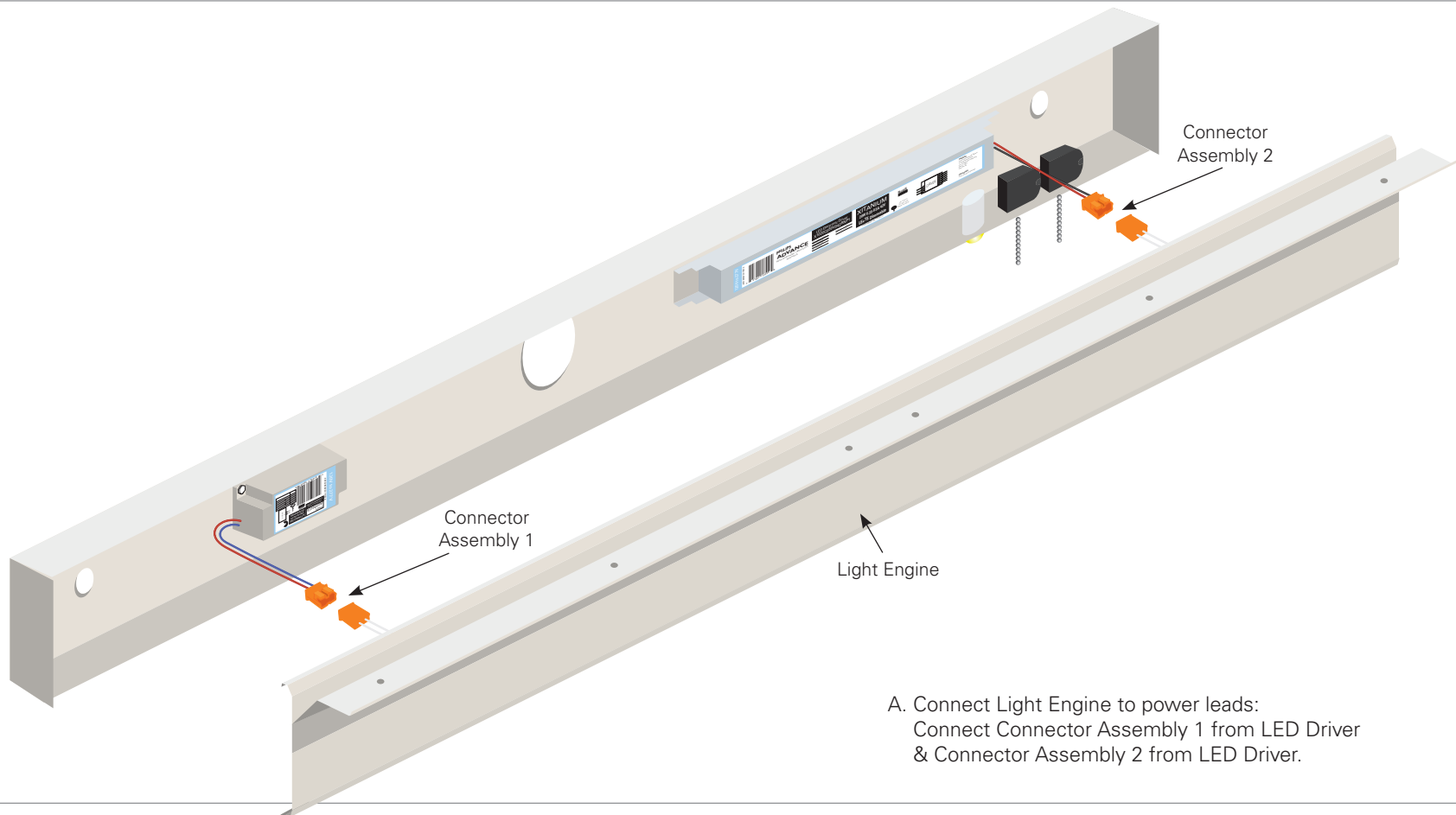
4. Final Assembly



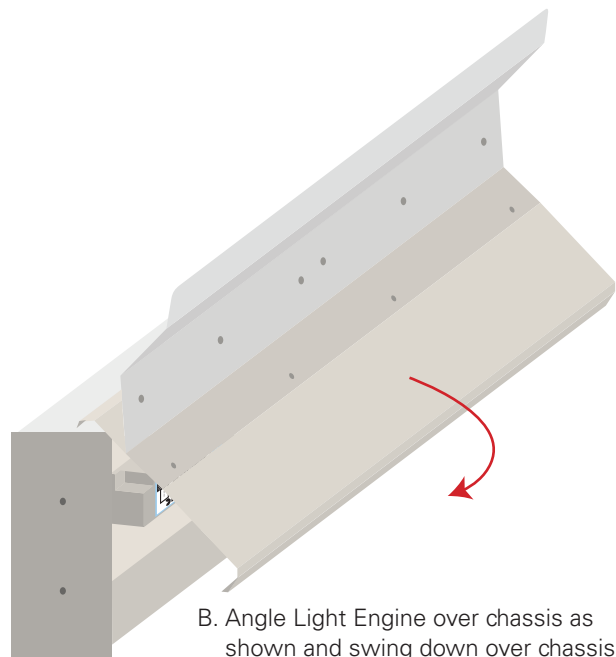
Pull on each wire to make sure connections are secure.



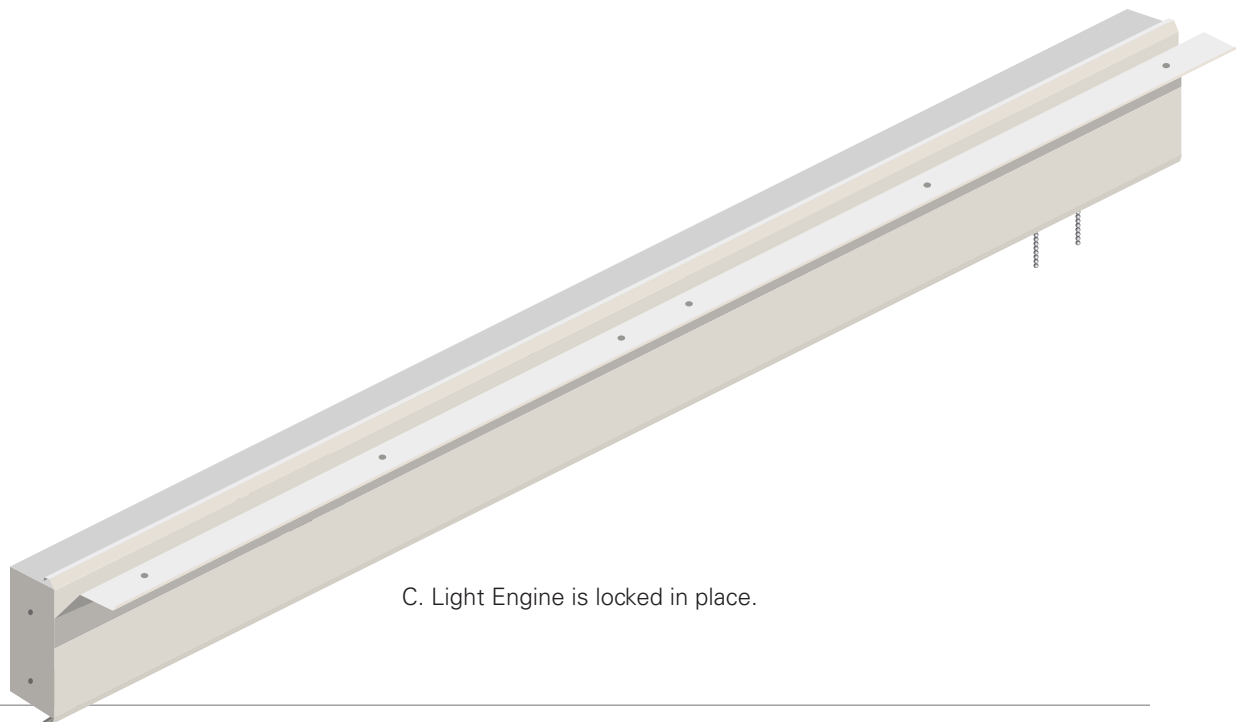
Make certain no bare wires are exposed outside of wire connectors.



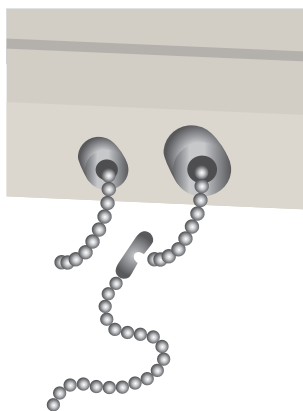
A. Connect Light Engine to power leads:
Connect Connector Assembly 1 from LED Driver
& Connector Assembly 2 from LED Driver.



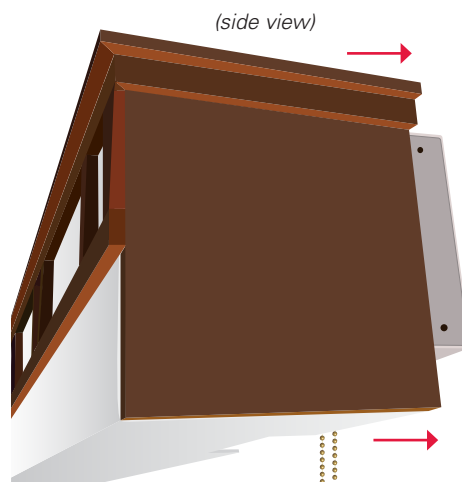
B. Angle Light Engine over chassis as shown and swing down over chassis and snap into position.



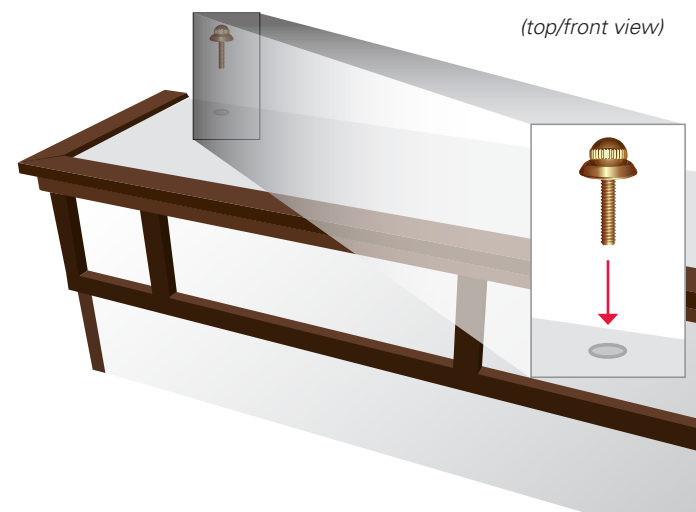
C. Light Engine is locked in place.



D. Install the pull chain.



E. Final assembly.



Care Information – Clean with a damp towel. Avoid using chemical cleaners.

Electrical Specifications

- This unit is wired with two LED drivers for driving two linear sets of LEDs.

Lower LED driver specs

- Input Voltage: 120 - 277V AC
- Frequency: 50/60Hz
- Input Current: 0.4 - 0.17A
- Power Factor: >0.9 min
- Output Voltage: 27 - 54V DC
- Output Current: 0.1 - 1.1A DC

Upper LED driver specs

- Input Voltage: 120 - 277V AC
- Frequency: 50/60Hz
- Input Current: 0.2 - 0.09A
- Power Factor: >0.9 min
- Output Voltage: 15 - 30V DC
- Output Current: 0.4 - 0.7A DC

- 3 foot fixtures produce 1350 lumens upward and 2700 lumens downward
- 4 foot fixtures produce 1800 lumens upward and 3600 lumens downward
- 3000K correlated color temperature
- 90 CRI minimum
- LED drivers comply with UL935, UL1310, UL8750, CSA C22.2 #223, CSA - C22.2 #250.13-12, FCC Title 47 Part 15 Class A
- Fixtures comply with UL1598, UL8750, CSA C22.2 #250.0, CAN/CSA C22.2 #250.13
- UL listed for damp locations
- No PCBs
- RoHS compliant

Limited Warranty

We offer to you, as the original purchaser, a warranty for the Maxwell Thomas product you have purchased. Our warranty applies for the limited warranty period stated below. If any product or product part listed below is defective in material or workmanship during the applicable limited warranty period, we will repair or replace it at our cost. Please note that the decision to repair or replace a product or product part will be at our discretion. Our warranty applies only if the product is properly maintained by the original purchaser for normal, indoor use and does not cover normal wear and tear, modification of the product, or damage caused by abuse, improper use, failure to maintain, use which exceeds the published product limitations, or the combination of any product with another product. In addition, our warranty does not cover fading, characteristics or natural variations in texture, colorfastness, stains, spills or exposure to chemicals, odors, heat or light. In certain cases, we may provide you repair or adjustment instructions and/or replacement parts, and ask you to perform a repair or adjustment or replace a defective part.

Our warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Please note that our limited warranty period begins when we ship the product to you. The limited warranty period and our obligations under the warranty end once you transfer the product to someone else or at the end of the applicable limited warranty period identified below, whichever is earlier.

Limited Warranty Period & Coverage

Product/Part	(Parts)
Maxwell Thomas® LED Overbed Light	2 years

DIRECT SUPPLY MANUFACTURING, INC. MAKES NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; THESE AND ALL OTHER IMPLIED WARRANTIES ARE SPECIFICALLY DISCLAIMED. TO THE FULLEST EXTENT ALLOWED BY LAW, DIRECT SUPPLY MANUFACTURING, INC. WILL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, OR LOST PROFITS THAT MAY RESULT FROM THE DEVICE OR YOUR USE OF OR INABILITY TO USE THE DEVICE EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. OUR TOTAL LIABILITY TO YOU, IF ANY, IS LIMITED TO THE PRICE OF THE DEVICE OR SERVICE GIVING RISE TO YOUR CLAIM. Some states do not allow an exclusion or limitation of incidental or consequential damages, or how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. If implied warranties are not excluded, and to the extent allowed by law, we limit any and all implied warranties to the applicable warranty period identified above. Except for rights under any applicable state law, the remedies provided under this warranty are your sole and exclusive remedy for any breach of our warranty and state the entire limit of our responsibilities.

Customer Service

Our promise to you is that you will have a convenient and easy ordering experience, receive a quality overbed light and enjoy outrageous customer service. If you have any questions about the overbed light you have purchased or would like to request warranty service, please contact: **Direct Supply Equipment & Furnishings**, 1-800-634-7328, 6767 N. Industrial Road, Milwaukee, WI 53223, SalesSupport@DirectSupply.com



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