



Maxwell Thomas®

# FLUORESCENT OVERBED LIGHT

## Owner's Manual

*Please keep and refer to this Owner's Manual.*

Thank you for purchasing a Maxwell Thomas® Fluorescent Overbed Light. 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.

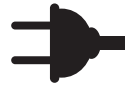
To reduce the risk of electrical shock, and to assure proper operation, this fixture must be adequately grounded. To accomplish proper grounding, there must be a separate ground wire (green) or bare metal contact (metal conduit) between this fixture and the ground connection of your main power supply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

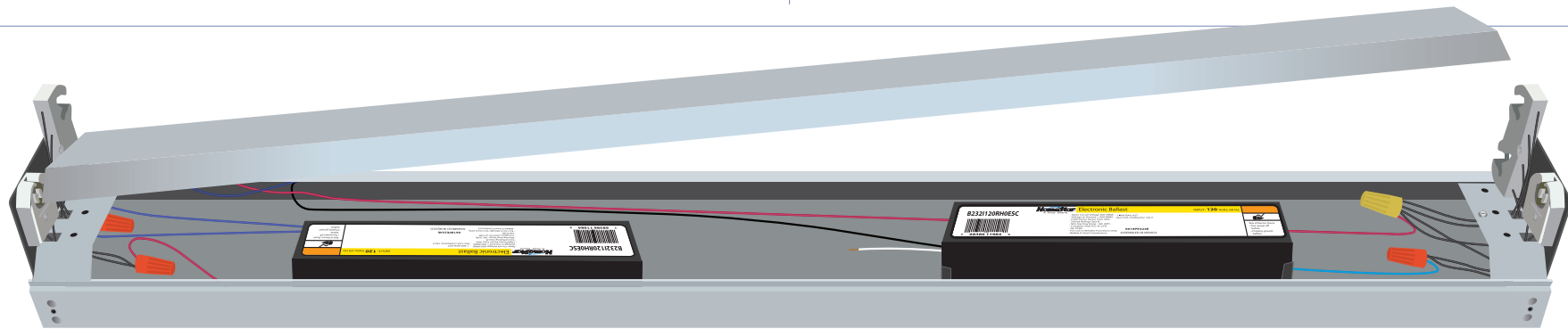
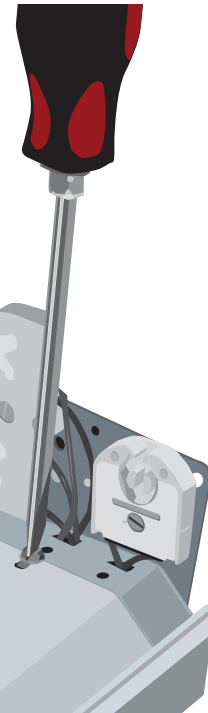
## 1. Preparing for Installation



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

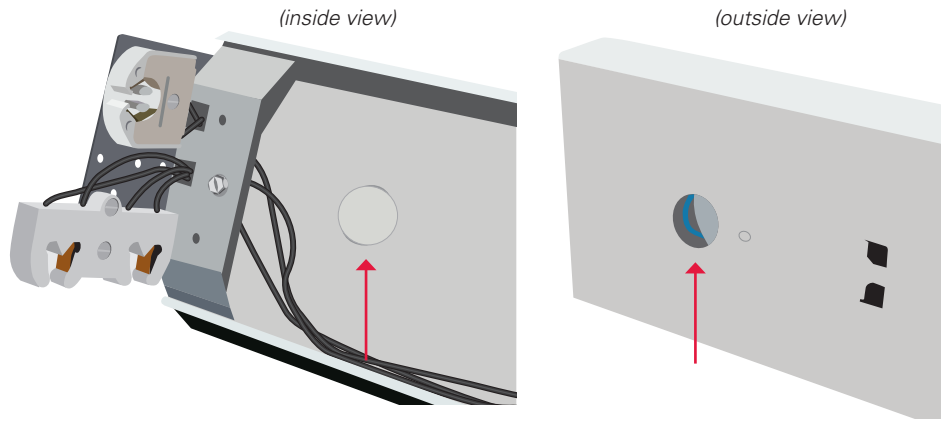


- B. Remove the two screws that connect the wire way cover to the housing of the light.

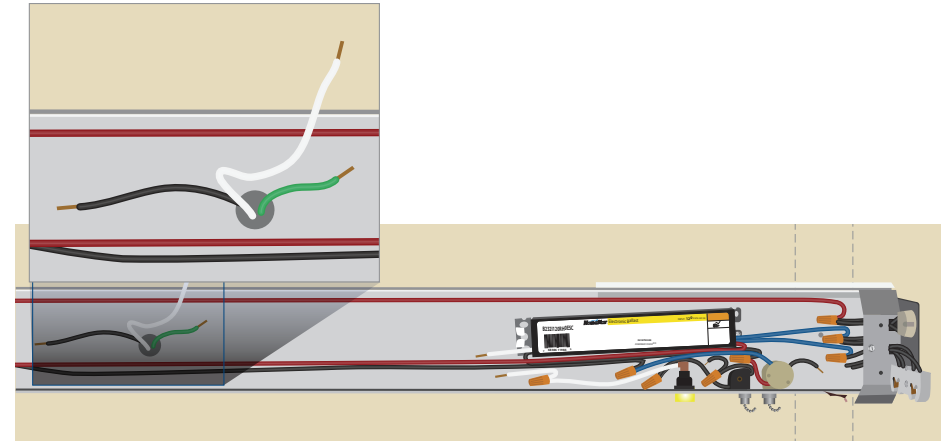


- C. Remove the cover of the light housing.

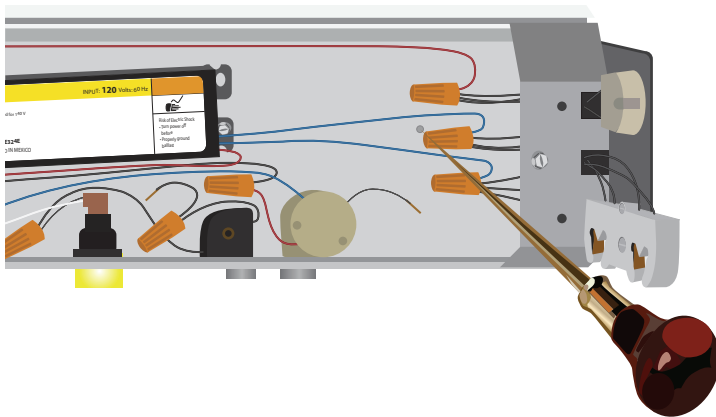
## 2. Fixture mounting



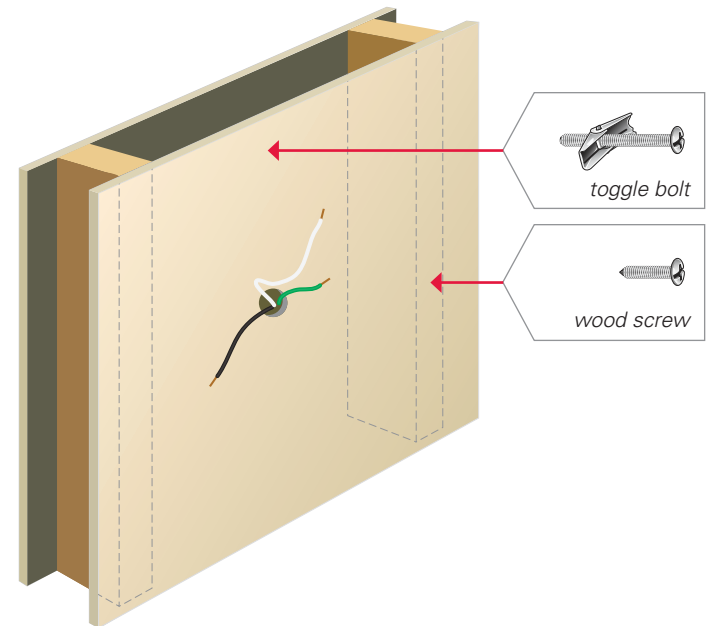
A. Remove the appropriate knockout(s) located in channel for power supply entry.



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.

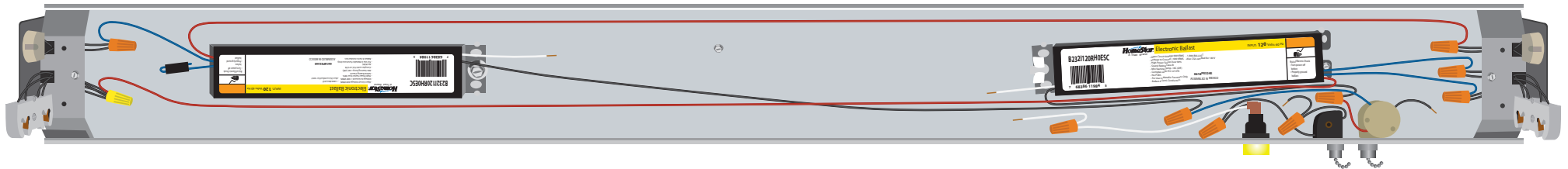
### 3. Wiring

#### 4-Position Pull Chain Switch Model

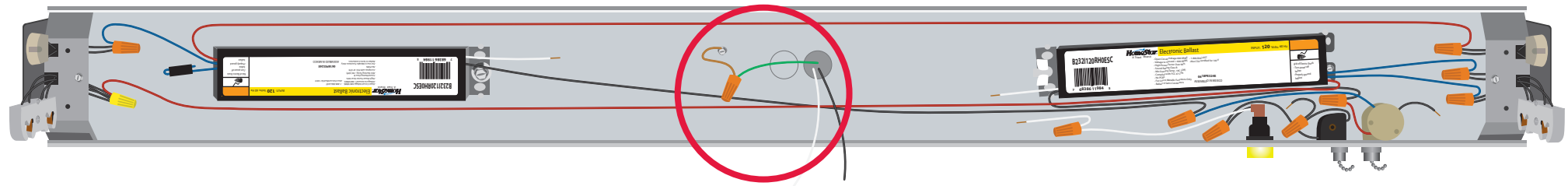
##### **WARNING**

Make sure power is off at fuse or circuit breaker box. Check power wires for damage or scrapes. If power supply wires are within three inches of ballast use wire suitable for at least 90°C (194°F).

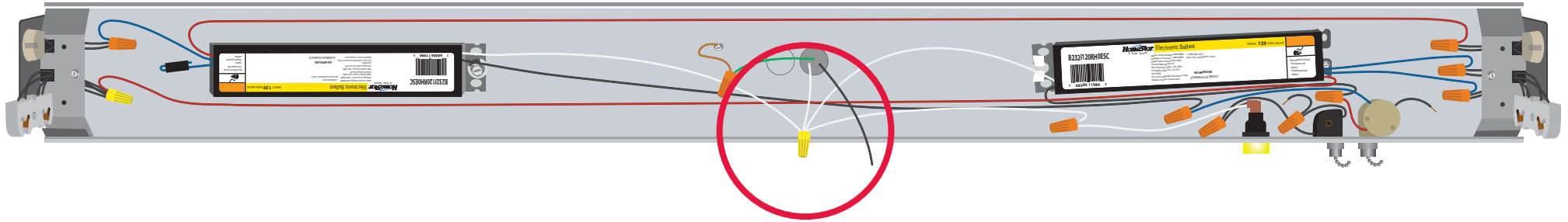
**NOTE:** Most dwellings built before 1985 have supply wire rated to 60°C. Consult a qualified electrician before installing.



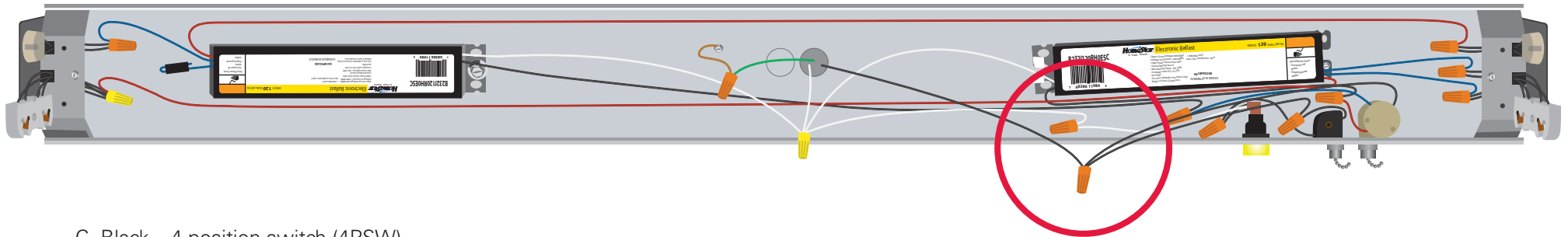
Initial appearance of the inside of the overbed light.



- 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 lamp 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 ballast lead(s) and night-light lead using the provided wire connectors.



C. Black – 4-position switch (4PSW)

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

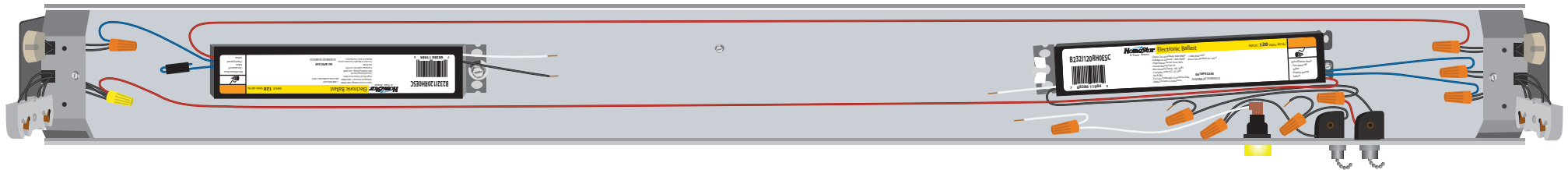
KEY	
Black	Continuous Power Hot
White	Neutral
Green	Ground

## Wall-Switched Model with Continuous and Wall-Switched Power

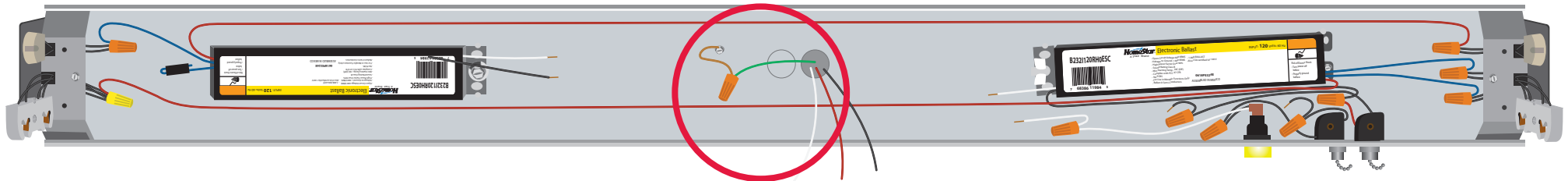
### WARNING

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).

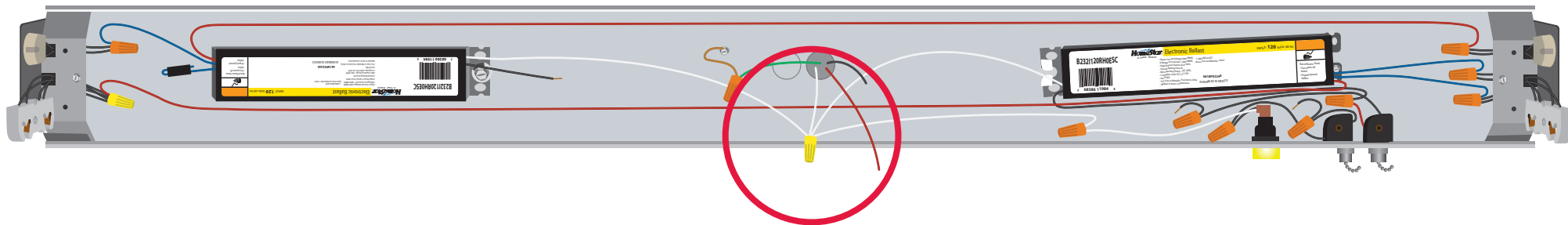
**NOTE:** Most dwellings built before 1985 have supply wire rated to 60°C. Consult a qualified electrician before installing.



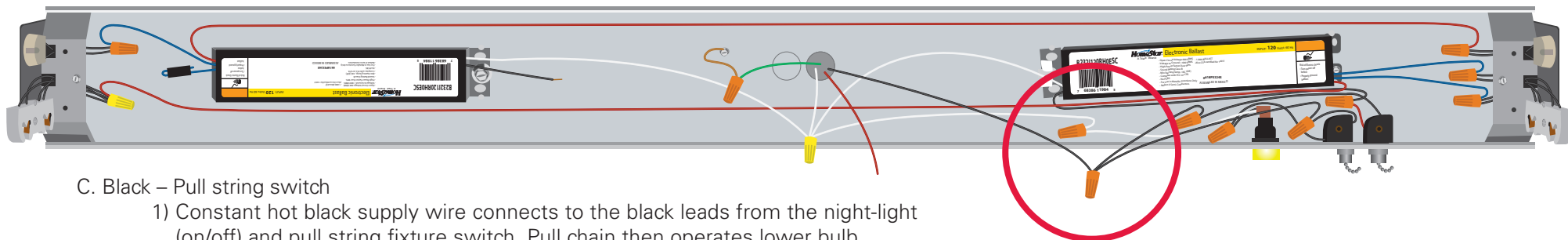
Initial appearance of the inside of the overbed light.



- 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 lamp life can result if proper grounding is not done. Securely attach green (or green and yellow) wire to provided green ground screw.

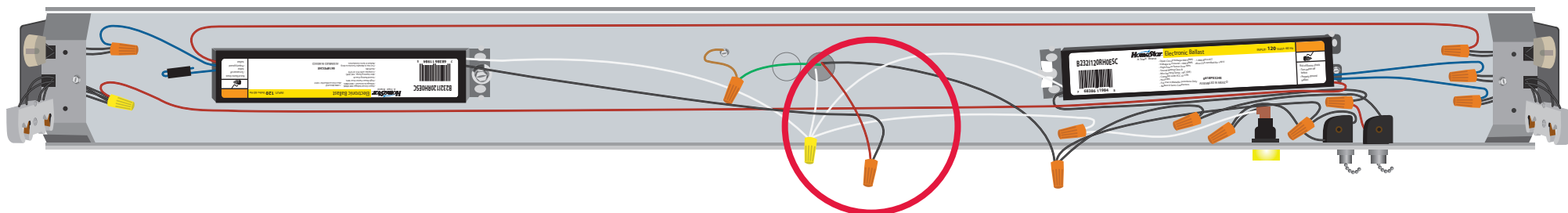


B. White – Connect white supply wire to white ballast lead(s) and night-light lead using the provided wire connectors.



C. Black – Pull string switch

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



C. Black – Wall switched

- 2) Wall switched hot red supply wire connects to the black lead from ballast (upper lamp).
  - (a) Pull on each wire to make sure connections are secure. Make certain no bare wires are exposed outside of wire connectors. Use provided wire connectors.

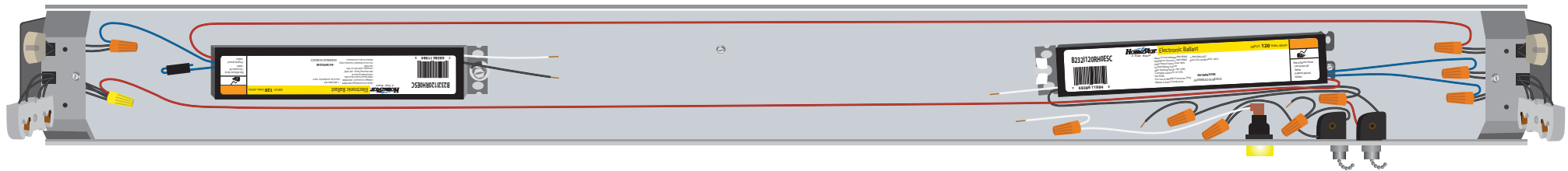
KEY	
Black	Continuous Power Hot
Red	Wall-Switched Hot
White	Neutral
Green	Ground

## Wall-Switched Model with Wall-Switched Power Only

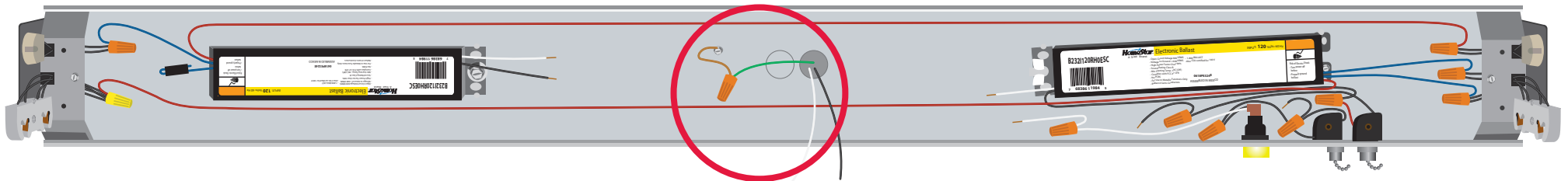
### WARNING

Make sure power is off at fuse or circuit breaker box. Check power wires for damage or scrapes. If power supply wires are within 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.

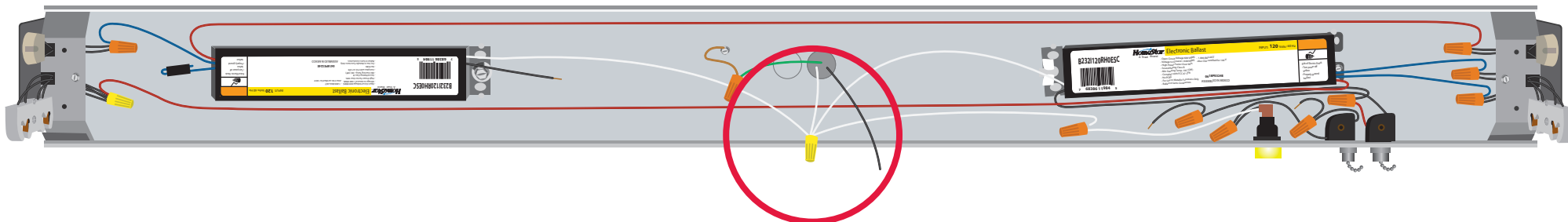


Initial appearance of the inside of the overbed light.

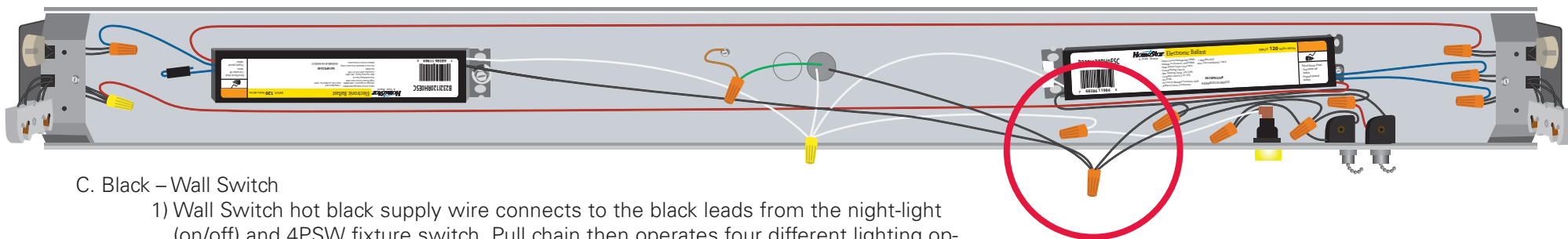


- A. Ground – This unit will not operate properly unless connected to a “grounded” electrical circuit. Electrical shock, over heating, low or no light output and shortened lamp life can result if proper grounding is not done. Securely attach green (or green and yellow) wire to provided green ground screw.





B. White – Connect white supply wire to white ballast lead(s) and night-light lead using the provided wire connectors.

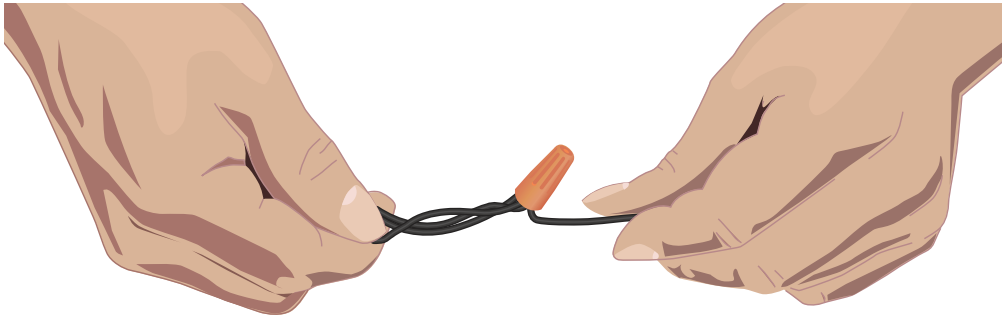


C. Black – Wall Switch

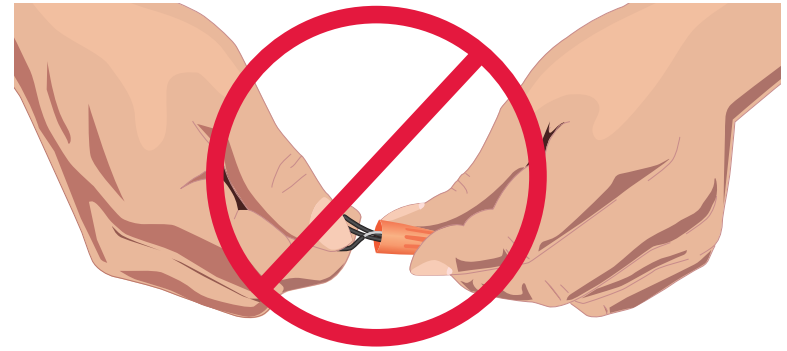
1) Wall Switch hot black supply wire connects to the black leads from the night-light (on/off) and 4PSW fixture switch. Pull chain then operates four different lighting options (if wall switch is on) – 1) upper bulb, 2) lower bulb, 3) all bulbs, 4) off.

KEY	
Black	Wall-Switched Hot
White	Neutral
Green	Ground

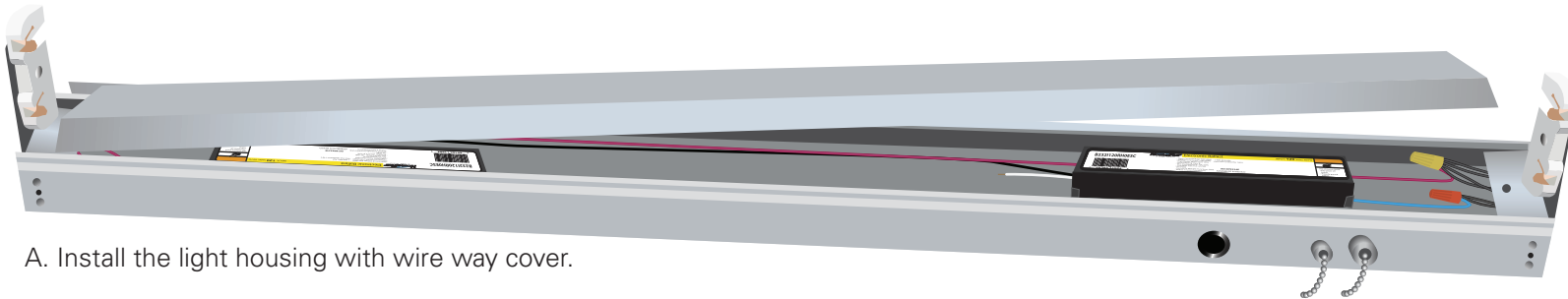
## 4. Final Assembly



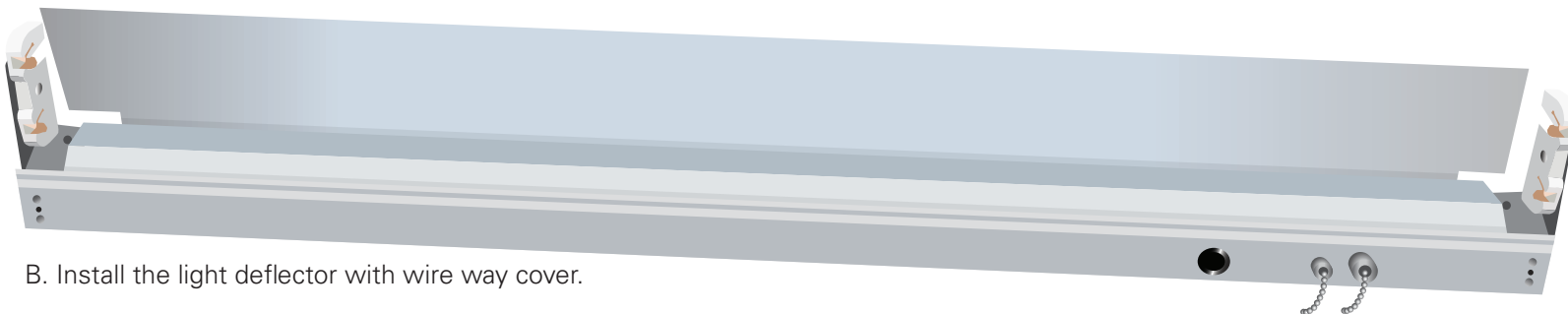
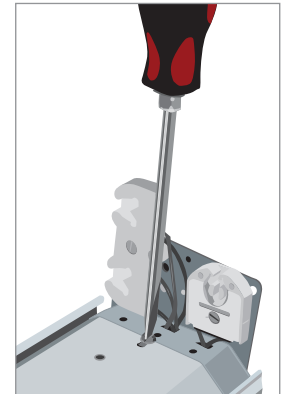
Pull on each wire to make sure connections are secure.



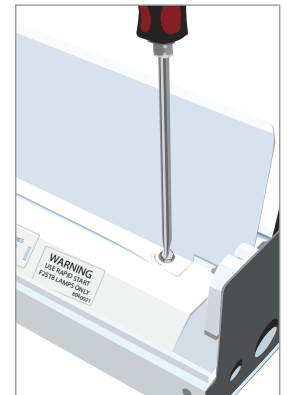
Make certain no bare wires are exposed outside of wire connectors.

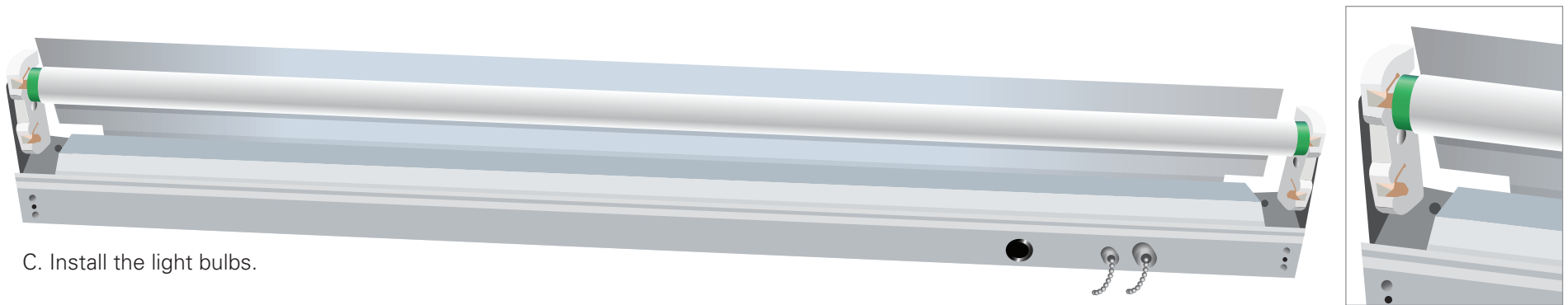


A. Install the light housing with wire way cover.

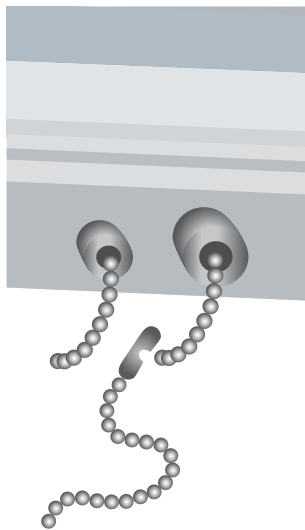


B. Install the light deflector with wire way cover.

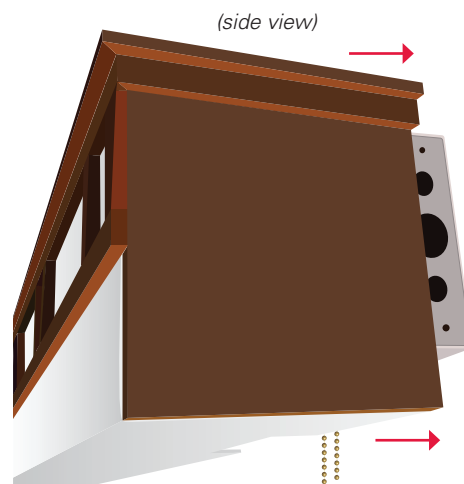




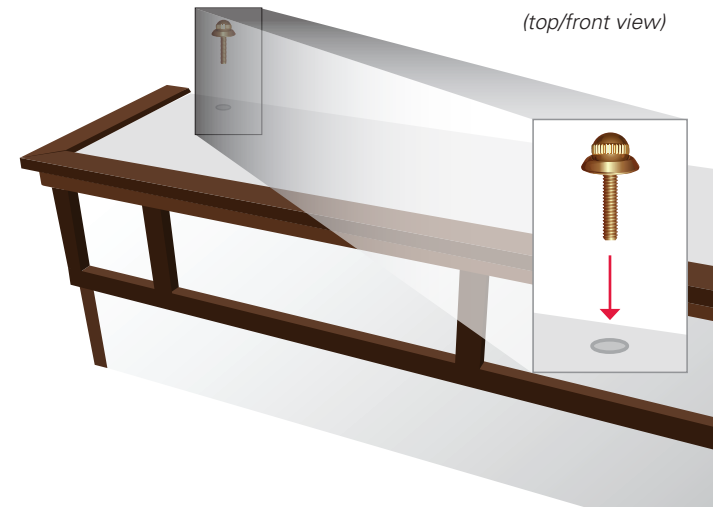
C. Install the light bulbs.



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 electronic ballasts for 1/2 or 2/3 F25T8 or F32T8 lamps:

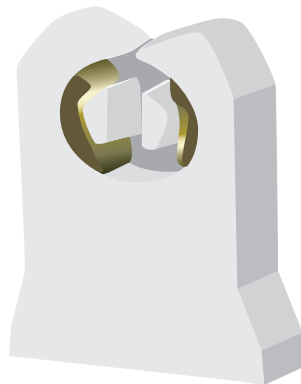
- Fixture complies with UL 1598
- Lamp holders comply with UL 542
- UL listed, high power factor, class P, Type 1 outdoor
- High-frequency electronic ballast
- Instant start
- 120 volt,  $\pm 10\%$ , 60 Hz AC
- Current crest factor  $< 1.7$
- Ballast factor .88 to 1.09
- Nominal line amps .31 to .50
- THD  $< 20\text{-}30\%$
- Min. starting temp  $0^{\circ}\text{F}$
- Sound rated A
- No PCBs
- U.L. listed for damp locations

## Re-lamping Instructions

### Linear Lamp



### Lamp Holder

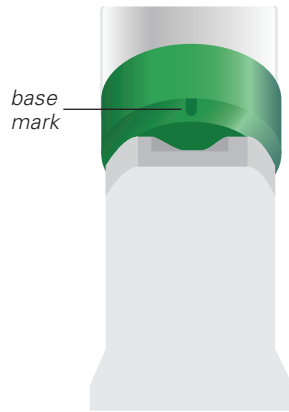


**⚠ WARNING! Risk of Fire**

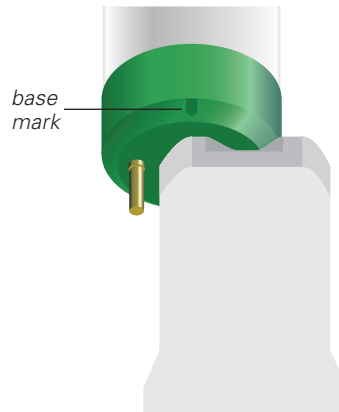
MAKE SURE ALL PINS OF LAMPS ARE INSERTED PROPERLY, AND BASE MARK ON LAMPS IS ALIGNED WITH LAMP HOLDERS' OPENING

### Lamp Seating in Lamp Holder

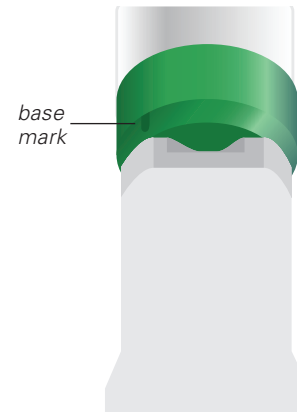
- Check for proper rotation and fit of the lamps in the lamp Holder. The lamps must be properly seated in the lamp holders, with spacing between the lamp holder and lamp small enough to ensure proper contact but free enough to prevent binding
- Check for loose or broken lamp holders and dirty lamp holder contacts



*This lamp is seated properly in the lamp holder, with the mark on the base aligned with the center of the lamp holder.*



*This lamp is hanging on one pin, obviously not seated properly.*



*This lamp is not rotated properly in the socket, which is indicated by the base mark being off-center from the lamp holder.*

### End-To-End Spacing Between Lamp holder and Lamp; Lamp Locks to Secure Lamps

- Check end-to-end spacing between the lamp holder and the lamp. During installation or re-lamping of the fixture, the end-to-end spacing between the lamp holder and lamp may increase. Push fixture ends inward to close the gap between lamp and lamp holder. Verify end-to-end spacing between the lamp holder and lamp. The spacing should be small enough to assure proper contact but free enough to prevent binding. Intermittent contact of lamp holder and lamp pins can cause arcing
- It is highly recommended to use lamp locks to secure lamps in place.

### Component Substitution

Never use a ballast or lamp for other than its recommended application. Although many lamp types and ballast designs are physically interchangeable, their electrical characteristics and requirements can be completely different. Always check the ballast label or manufacturer's specifications to ensure component compatibility.

# 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 at right. 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.

Product/Part	Limited Warranty Period & Coverage (Parts)
Maxwell Thomas Fluorescent Overbed Light	2 years

Anticipated Usable Product Life is based on normal use with proper maintenance, cleaning and storage. You should still inspect, monitor and care for the product, as the product may need to be replaced sooner than anticipated in particular situations.

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# 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 the distributor from whom you purchased the overbed light.





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