

# IMPORTANT SAFETY INSTRUCTIONS AND INSTALLATION GUIDE

## READ BEFORE INSTALLATION SAVE THESE INSTRUCTIONS

Please read and understand this entire manual before attempting to assemble, operate or install this product. This product must be installed in accordance with any applicable installation code(s) by a qualified electrician or person familiar with the construction and operation of the product and the hazards involved.

- 1. WARNING: RISK OF SHOCK.** House electric current can cause painful shock or serious injury unless handled properly. For your safety, always remember to:
  - A. Ground the fixture to avoid potential electric shocks and to ensure reliable starting.
  - B. Double-check all connections to be sure they are tight and correct.
  - C. Wear rubber soled shoes and work on a sturdy ladder.
- 2.** This fixture is designed for use in a circuit protected by a fuse or circuit breaker. It is also designed to be installed in accordance with local electrical codes. If you are unsure about your wiring, consult a qualified electrician or a local electrical inspector and check your local electrical code.
- 3. WARNING: RISK OF CUTS.** Some metal parts in the fixture may have sharp edges. To prevent cuts and scrapes, wear gloves when handling the parts.
- 4.** Account for small parts and destroy packing material, as these may be hazardous to children.

- **VAPOR BARRIER MUST BE SUITABLE FOR 90 °C.**
- **FOR USE IN NON-FIRE-RATED INSTALLATIONS ONLY.**

**Product Specifications**

- 120VAC, 60Hz, 9.4 Watts
- Dimmable
- Suitable for Wet Locations

**Battery Specifications**

- Lithium Ion 18650 3.7V  
1200mAh.

**NOTICE:**

- All electrical connections must be in accordance with local and National Electrical Code (N.E.C) standards. If you are unfamiliar with proper electrical wiring connections, obtain the services of a qualified electrician.
- Remove the fixture and the mounting package from the box to make sure that no parts are missing by referencing the illustrations on the installation instructions.



**CAUTION:** Turn off the main power at the circuit breaker before installing the fixture in order to prevent possible shock.

**Supplier's Declaration of Conformity:**  
47 CFR § 2.1077 Compliance Information  
**Responsible Party:**  
Feit Electric Company  
4901 Gregg Road,  
Pico Rivera, CA 90660, USA  
www.feit.com  
**Unique Identifier:** LED6XT/MOBAT/6WYCA

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. 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. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

**Radiation Exposure Statement**

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with a minimum distance of 20cm between the radiator and your body.

## WARRANTY

This product is warrantied to be free from defects in workmanship and materials for up to five years from date of purchase. If the product fails within the warranty period, please contact Feit Electric at info@feit.com, visit feit.com/contact-us for instructions on replacement or refund. REPLACEMENT OR REFUND IS YOUR SOLE REMEDY. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IS HEREBY EXPRESSLY EXCLUDED. Some states and provinces do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province.

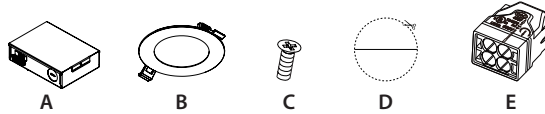
# PACKAGE CONTENTS

Before beginning installation of this product, make sure all parts are present. Compare parts with package contents list and diagram. If any part is missing or damaged, do not attempt to assemble, install or operate this product.

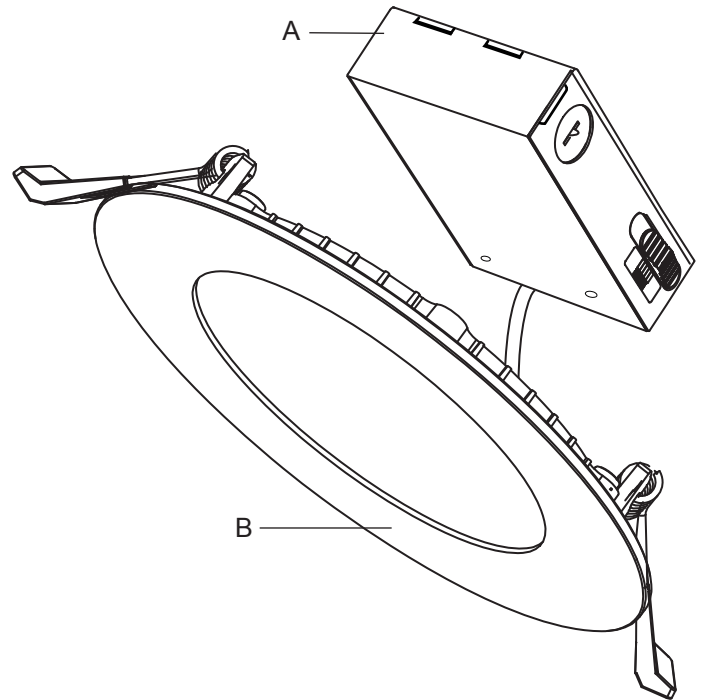
## Tools Required

- Screw driver
- Recessed lighting hole saw (recommended)
- Scissors

## Package Components



	COMPONENTS INCLUDED
A	(1) POWER SUPPLY BOX
B	(1) RECESSED DOWNLIGHT
C	(2) SCREWS (M4 & 25mm)
D	(1) CUT OUT TEMPLATE
E	(3) WAGO CONNECTORS
F	(1) INSTRUCTION MANUAL



# PRODUCT ELECTRICAL RATINGS

The foam insert between the trim and ceiling of this panel will create an air tight seal and is required for the ASTM Air Tight Certification.

Suitable for Type IC.

Continuous dimming between 10% - 100% with most dimmers.

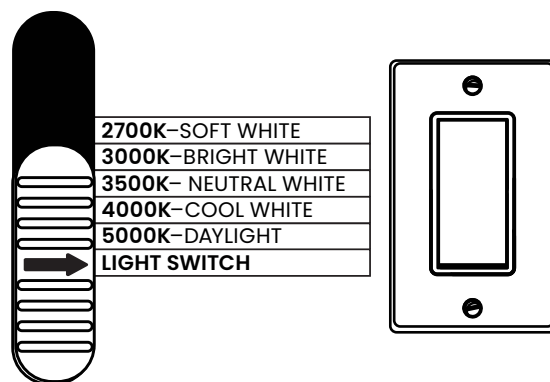
LIGHTING DISTRIBUTION		
Distance	Center Beam (Foot candles)	Beam Diameter
3 ft.	42	7.2 ft.
5 ft.	15	12 ft.
8 ft.	5.9	19 ft.
15 ft.	1.7	36 ft.
Beam Angle = 100°		

# CHOOSE A WHITE COLOR SETTING

## Change the mood anytime.

Select SWITCH on the fixture before installation, then use your existing wall switch to toggle through the different shades of white.

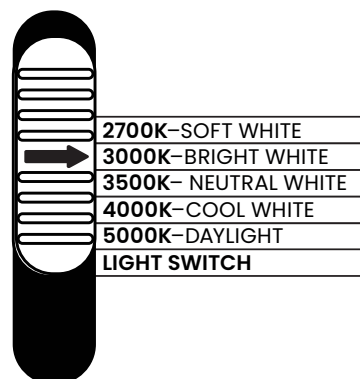
- Set the slide switch on the back of the fixture to SWITCH.
- Toggle your light switch ON and OFF within 0.5-3 seconds to cycle through the five different color temperatures.
- If the fixture is left OFF for over 10 seconds then turned ON, the fixture will remember the last color temperature selected and will display that color when turned on again.
- The reset function is used when using multiple Color Selectable lighting products operating from the same light switch. In the event that multiple fixtures are not displaying the same color at the same time, the fixtures must be RESET using your existing light switch. Simply toggle the wall switch ON and OFF 7 times, leaving it in the ON position for 1 second intervals. With the fixture in the ON position, toggle the wall switch OFF then ON, leaving it ON for 1 second. Repeat 7 times. All fixtures on the same light switch will reset to the default color temperature (2700K).



or

## Choose your favorite light.

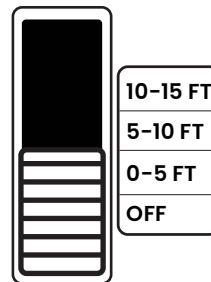
Set your preferred shade of white from an integrated switch on the fixture before installation.



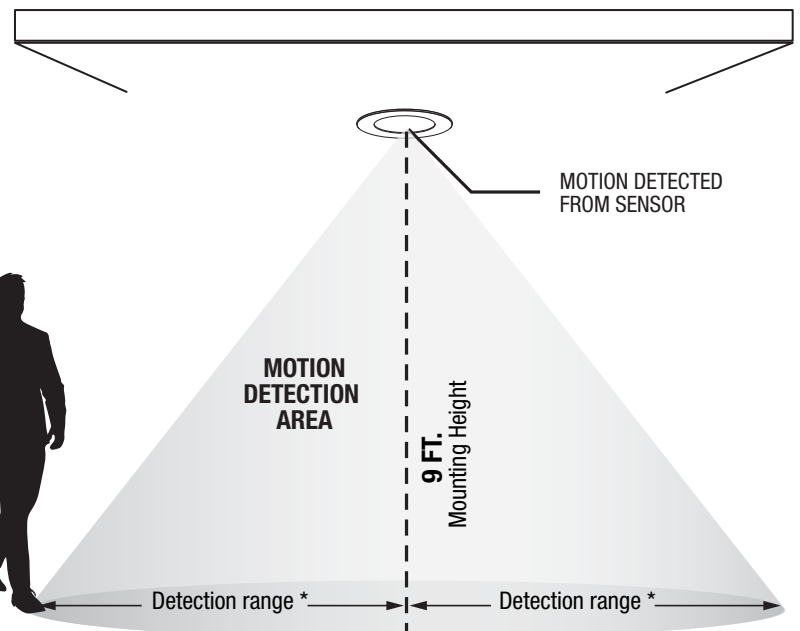
# ACTIVATE THE NIGHTLIGHT AND CHOOSE YOUR PREFERRED MOTION DETECTION RANGE

## Choose your Nightlight Motion Detection Range\*

Set your preferred motion detection range from the switch on the back of the fixture before installation.



**Motion Detection Range**



**NOTE:** All distances are measured from the motion sensor located in the center of the fixture inserted.



**NOTE:** Recommended installation height is 8-9 ft.

## Range selector Switch Settings

By default, the motion-activated nightlight is not enabled when the switch is in the OFF position. To enable the nightlight, use the range selector switch on the back of the fixture housing to adjust the detection range according to your needs.

When the nightlight is enabled via the selector switch and the wall switch is turned OFF, the nightlight will turn on in response to motion. When motion is detected, the nightlight will turn ON for 1 minute. If motion is detected again within the last 15 seconds of this period, the light will stay on and another 30 seconds will be added to the timer. This will continue with each new motion detection until no further motion is detected.

## Charging the battery

The nightlight's battery will automatically recharge during regular use when the wall switch is set to the ON position. It takes approximately 3 hours to fully charge the battery, which will then provide at least 90 minutes of runtime.

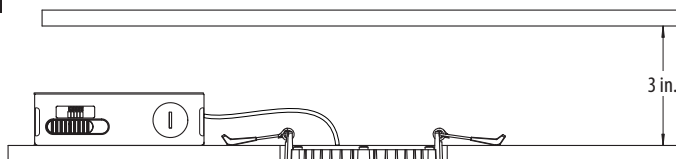
# PRE-INSTALLATION REVIEW

- Turn the power OFF from the breaker panel before starting installation.
- Locate a suitable location for the fixture and cut the correctly sized hole in the drywall or ceiling tile (for a suspended T-Bar type ceiling) – refer to Hole Cut Out Template for appropriate size.
- Know the location of your joist before making any cuts.
- Run electrical wire from the switch (power supply) through the mounting hole; use NM cable or Flexible Metal Conduit Cable.
- Use the slide switch to choose a preferred color temperature before installing (2700K, 3000K, 3500K, 4000K, 5000K).
- Use the Range Selector switch to choose a Nightlight motion setting before installing.

## INSTALLATION INSTRUCTIONS FOR RECESSED HOUSING

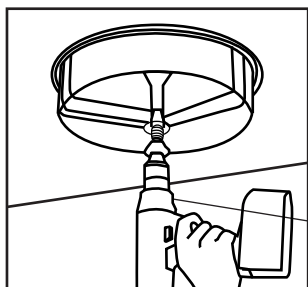
1

Ensure the space above the installed fixture is at least 3 in.



2

Cut a 6 3/8 in. hole in the ceiling as round as possible using the template provided and a recessed lighting hole saw.

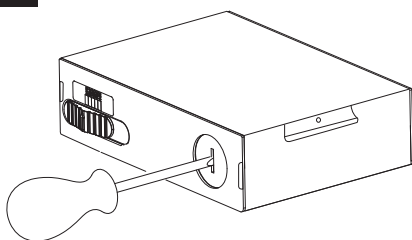


**NOTE:** Before cutting, ensure that the hole does not impinge on joists, pipe work, cable or other building services.

Recessed lighting hole saw

3

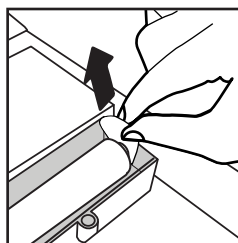
Carefully remove the knock-out with a screw driver or punch.



**NOTE:** For easier installation, separate the power supply box and downlight by disconnecting the tethered connectors.

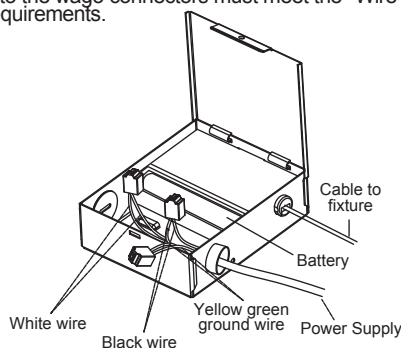
4

Remove the insulating tab from the battery before first use.



5

Open the power supply box cover. Feed the supply wire into the knockout hole using a 3/8 in. clamp connector (not included) and make all the connections inside the power supply box using wago connectors. Connect the 120V line (black) wire to the black wire. Connect the neutral (white) wire to the white wire. Connect the ground (green) wire to the green wire. This power supply box needs to be grounded. Wires inserted into the wago connectors must meet the "Wire Gauge and Strip Length Requirements".



**NOTE:** For the best connection, use solid wire or tin bonded stranded wire. If using stranded wire, we recommend using wire nuts (not included).

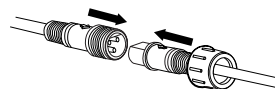
6

After inserting the supply wire into the wago connectors, double check the connection by following these simple tests:

- Hold the wago connector with one hand and with the other hand pull at the connected wires to ensure proper wire connection.
- Ensure a sufficient amount of wire is visible through the clear shell for visual verification.

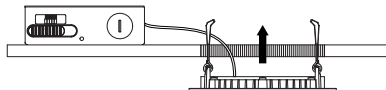
7

Reconnect the tethered connector before restoring the power at the breaker panel. To ensure proper connection, the arrows on the cable adapters must be facing each other. Screw on the fastener to secure connection.



8

Hold the spring clips against the fixture and gently guide into the ceiling until the clips snap into place. The fixture should be flush with the ceiling.



**NOTE:** Ceiling thickness must be 1/2" to 3/4".

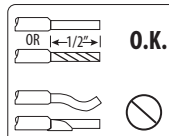
9

Restore the power at the breaker panel.

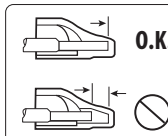
### \* WIRE GAUGE AND STRIP LENGTH REQUIREMENTS

Wire Type	Wire Range	Strip Length
Solid wire	14-18 AWG	0.43 - 0.50 in.
Tin bonded stranded wire	14-18 AWG	0.43 - 0.50 in.

Wires/Strip Length



Insertion



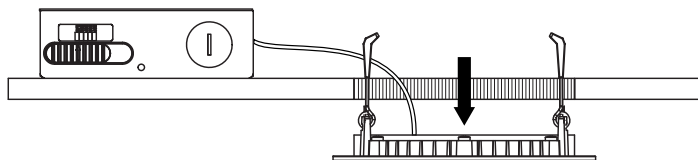
**NOTE:** If the jacket of the cable is not in the wago connector ensure the strip length is correct and/or verify the wire is fully inserted.

# BATTERY REPLACEMENT

1

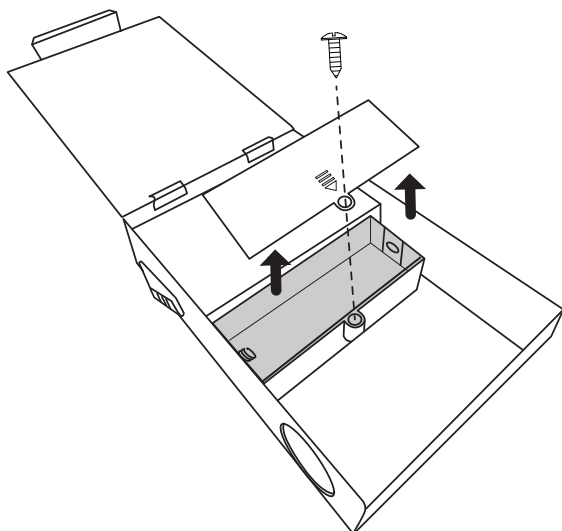
Before replacing the battery, ensure that the power is turned off at the breaker and the fixture is not powered on.

Remove the fixture from the ceiling to access the battery compartment in the driver box.



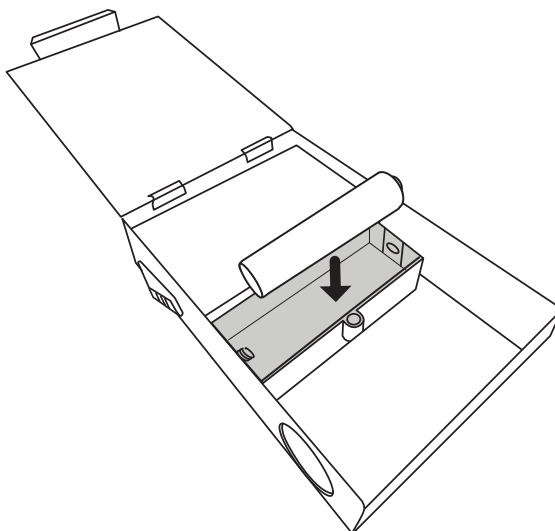
2

To replace the rechargeable battery, open the driver box and remove the lid of the battery compartment by unscrewing the lid screw using a Phillips head screwdriver.



3

Replace only with new rechargeable batteries: Lithium-ion 18650, 3.7V, 1200mAh.



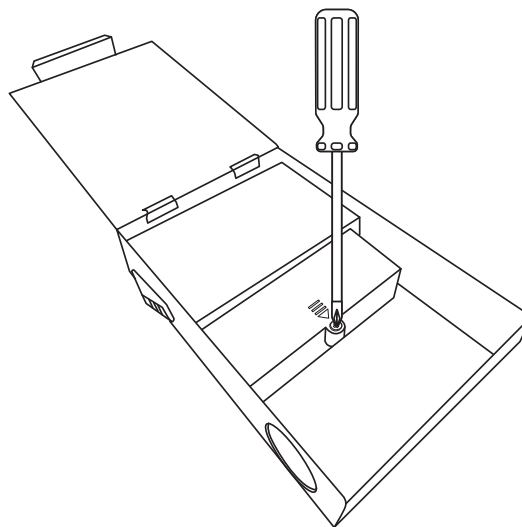
**WARNING:** Install battery correctly with regard to the polarity (+ and -).



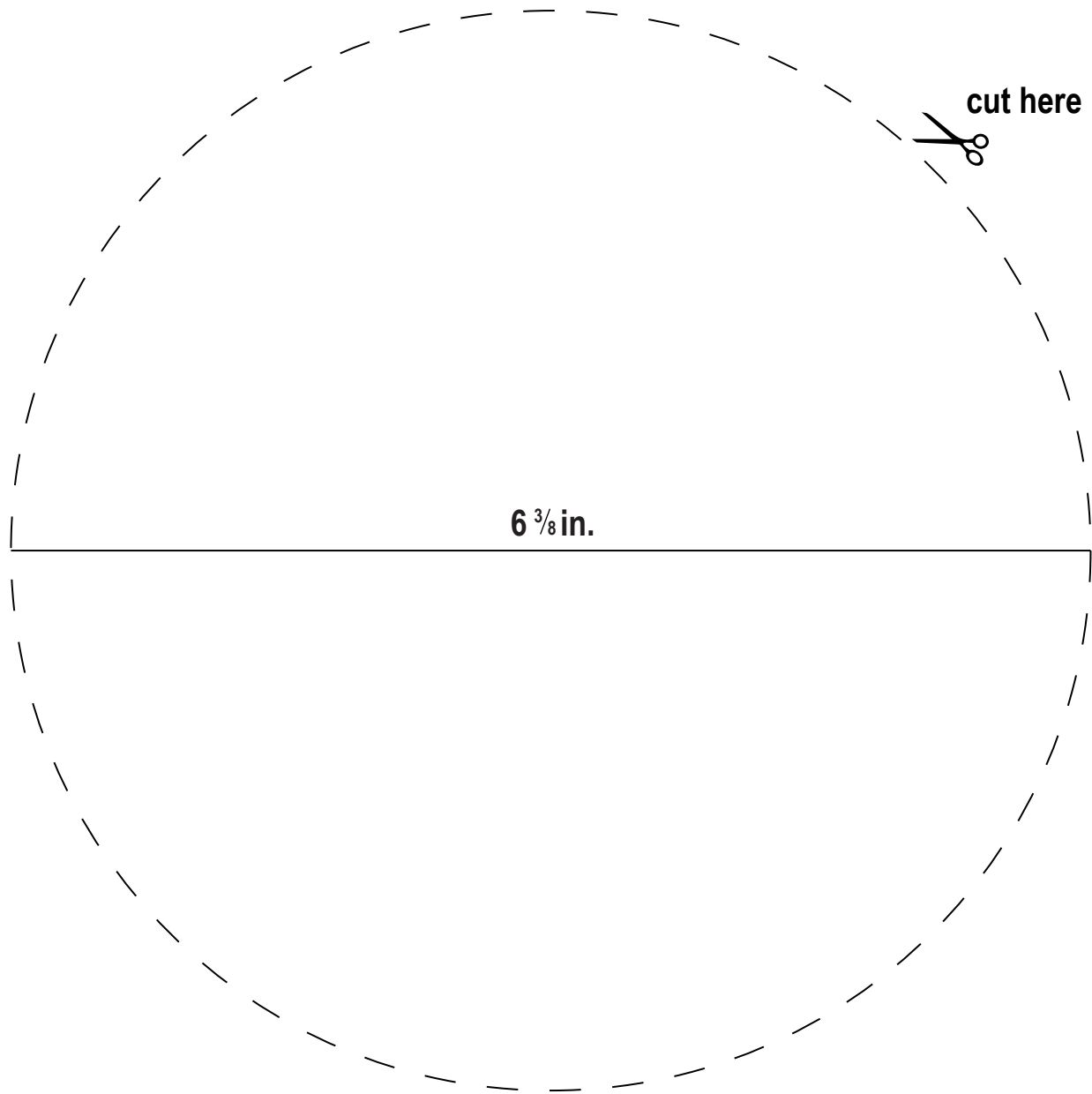
**WARNING:** Dispose used batteries promptly. Keep away from children. Do not disassemble and do not dispose of in fire.

4

Reattach the lid by securing the screw using a Philip head screwdriver.



# CUT OUT TEMPLATE - For a 6 3/8 in. hole.



# TROUBLESHOOTING

Problem	Possible Cause	Solution
The nightlight will not turn on.	The battery is not making contact.	Loosen the battery compartment, pull out the battery compartment and inspect the battery and the battery compartment.
	The battery is not fully charged.	Ensure the battery is being charged by turning it on using 120V line. A full charge will take about 3 hours.
	Motion range is selected but no motion has been detected.	Select a larger detection distance.
	The insulating tab on battery is still in place.	Open the driver box, remove the battery compartment lid, pull out the insulating tab, and reattach the lid.
The nightlight turns off too early.	The battery charge is low.	Allow the battery to get a full charge by turning on the fixture for about 3 hours on a 120V line.
Nightlight turns on without obvious movement.	Motion detector triggered.	Use range switch to select a smaller detection radius (microwave motion detectors can trigger through walls and doors).
Nightlight stays off despite movement.	Detection radius is too small.	Use range switch to select a larger detection radius.
	Motion detection setting is tuned off.	Use range switch on the back of the fixture to select a motion range, then turn off the fixture for 5s before turning it back on.
Nightlight does not turn off.	Motion detector is being constantly triggered.	Use range switch to select a smaller detection radius (microwave motion detectors can trigger through walls and doors).