



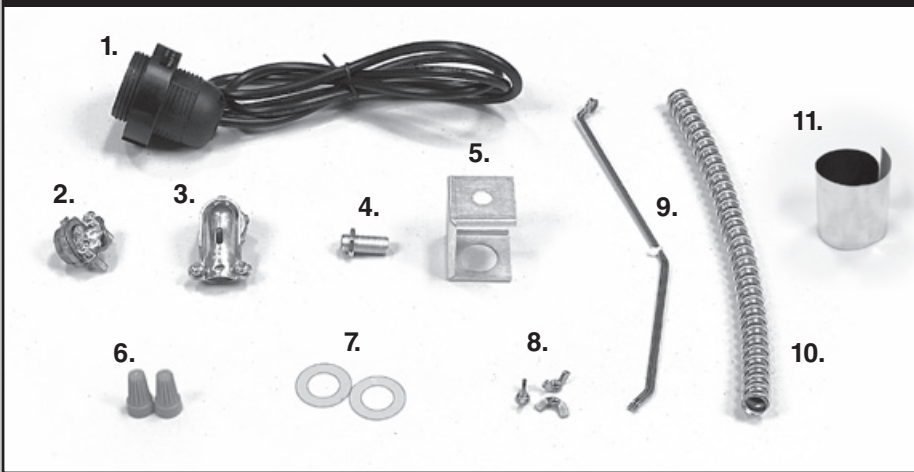
USE 60 WATT MAXIMUM LIGHTBULB

We recommend using a 100 Watt equivalent Compact Fluorescent Light Bulb (CFL) (not included)

Light Kit for Model 2014ST Installation and Mounting Guide

The Light Kit can be installed in both flex tube and rigid tube versions of the 2014ST. Please read the entire instructions before proceeding with the installation.

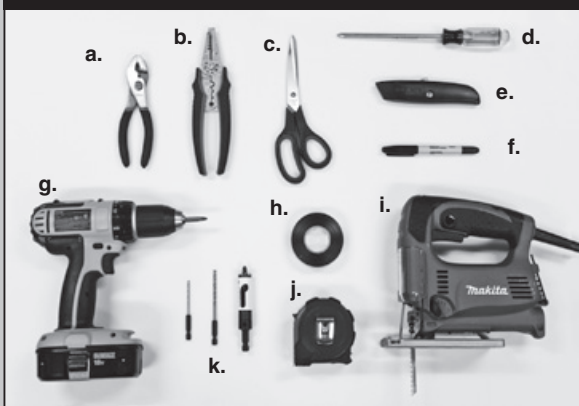
BOX CONTENTS / PARTS LIST



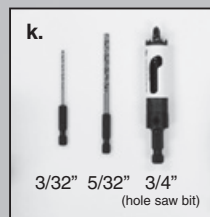
DESCRIPTION

1. Socket Assembly (1 ea)
2. Clamp Combination Connector (1 ea)
3. 90° Connector (1 ea)
4. Threaded Nipple & Locknut (1 ea)
5. Connecting Bracket (1 ea)
6. Wire nut (2 ea)
7. Reinforcement Ring (2 ea)
8. Wing nut (3 ea)
9. Leg (3 ea)
10. Flex Conduit (1 ea)
11. Foil Tape

TOOLS REQUIRED



- a. Pliers
- b. Wire Strippers
- c. Scissors
- d. Phillips Screwdriver
- e. Utility Knife
- f. Marker
- g. Drill with Phillips bit
- h. Electrical Tape
- i. Jig Saw or Circular Saw
- j. Measuring Tape
- k. * Assorted Drill Bits



***REQUIRED ONLY FOR INSTALLING IN A RIGID TUBE**



Start hole with 3/32"

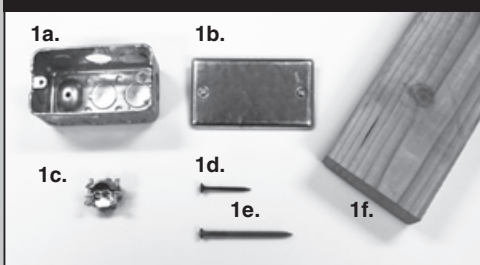


Enlarge with 5/32"



Complete with 3/4"

OTHER MATERIALS NEEDED



DESCRIPTION (Must be Purchased Separately)

- 1a. Metal Junction Box (1 ea)
- 1b. Box Cover (1 ea)
- 1c. Clamp Combination Connector (1 ea)
- 1d. 1" to 1 1/4" Screw (2 ea)
- 1e. 3" Deck Screw (8 ea)
- 1f. 2" x 4" x 8' board lumber (1 ea)

You will need to build a support structure as shown here



Prepare the socket cord length



The Socket Assembly comes with 48" of cord. We have included a 9 3/8" length of standard 3/8" flexible conduit which is adequate for locating the junction box within 6" of the outside of the tube material (**fig. 1 & 2**) If you require a longer length, simply purchase the correct amount of flex conduit from your local hardware or builders supply.

If your installation is not as indicated in (**fig. 1 & 2**) skip steps 1 & 2 below and wait to shorten cord to the length you need after you have secured the Junction Box as described in Step 17.

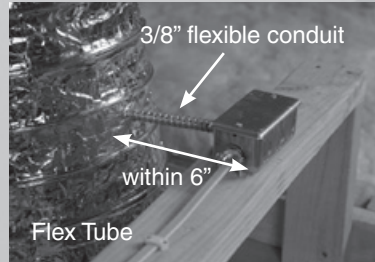


fig. 1

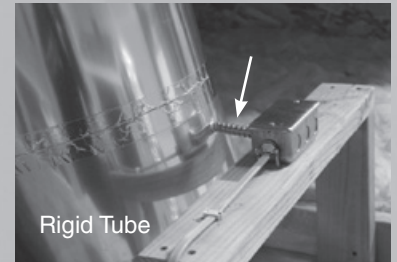


fig. 2

Assemble the Light Kit



fig. 3



fig. 4



fig. 5



fig. 6



fig. 7

Step 1

To install the Light Kit with the supplied flex conduit, cut the cord of the Socket Assembly to a 20" length (**fig. 7**) and (**fig. 3 & 4**)

Step 2

Using a utility knife, cut into the outer sheathing to access the two shielded wires (**fig. 5**) Using wire strippers, strip the wires open to about 1/2" then twist the strands (**fig. 6**) to prep for connecting to the AC source. The resulting alteration should look like (**fig. 7**).



fig. 8



fig. 9



fig. 10



fig. 11



fig. 12

Step 3

Remove the nut from the 90° Connector (**fig. 8**) Then loosen and remove the screws of the hold down plate and remove the plate. (**fig. 9**)

Step 4

Insert the wire end of the Socket Assembly into the smaller hole on the Connecting Bracket (**fig. 10**) Then insert the Threaded Nipple and Locknut onto the wires (**fig. 11**) Finally, the nut from the 90° Connector. (**fig. 12**)



fig. 13



fig. 14

Step 5

Screw in the Threaded Nipple into the Socket until it stops, then tighten the locknut (**fig. 13**) Then insert the 90° Connector onto the wire and tighten the nut (**fig. 14**) Bend the cord down and reattach the hold down plate and screws. (**fig. 15 & 16**)



fig. 15



fig. 16

For best results position the parts as indicated in (**fig. 17**)



fig. 17

Step 6

Insert the 3 Legs into the slots on the bottom of the Socket Assembly as shown in **(fig. 18)** Press them in firmly to seat properly, once fully seated, they should not come out easily. Once you complete this step, the light Kit is ready to install into your SkylightTube. **(fig. 19)**



fig. 18

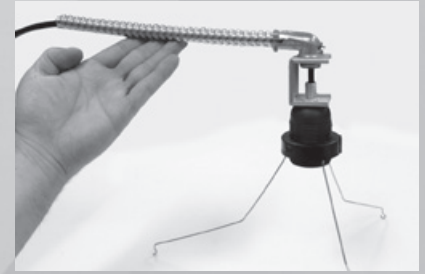


fig. 19

Build the Support Structure



Step 7

In this example, we will build the structure to fit between the 2 ceiling joists. First, measure the distance between the inner edges. **(fig. 21)**

Cut a section of the 2 x 4 to that length, then cut 2 pieces to 11" to form the sides. **(fig. 22)**

Then fasten together with the 3" deck screws. **(fig. 23)**



fig. 20



fig. 21



fig. 22



fig. 23

Mounting the Light Kit (Flex Tube)



fig. 24



fig. 25



fig. 26

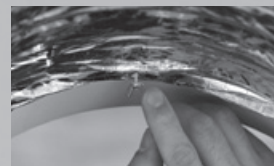


fig. 27

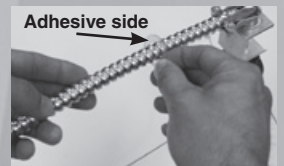


fig. 28

Step 8 (Flex Tube)

Set the Support Structure in the desired installation position and find the center on top and mark. **(fig. 24)** Place the Junction Box in position over the center and note where the exit point will be for the flex tube - straight across and level to the center hole on the box. **(fig. 25)** Make a cross cut in the material about 3/4" wide **(fig. 26)** From inside the Diffuser Housing, install the 3 Wing nuts on the existing posts but do not tighten all the way. **(fig. 27)** If the posts are covered with foil tape uncover with Utility Knife.

Remove the protective cover from one of the Reinforcement Rings and place onto the Flexible Conduit, adhesive side out. **(fig. 28)** Then guide the cord and Flexible Conduit through the cross cut and attach the 3 Legs onto the Wing nut posts and tighten firmly. **(fig. 29, 30 & 31)** You may need to adjust the Socket and Connecting Bracket slightly to allow the Legs to fit. Once you have tightened the Wing nuts press the Reinforcement Ring onto the Flex Tube **(fig. 32)**



fig. 29

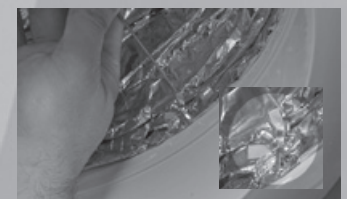


fig. 30



fig. 31



fig. 32

Mounting the Light Kit (Rigid Tube)



fig. 33



fig. 34

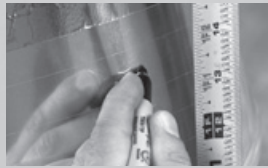


fig. 35

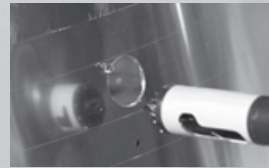


fig. 36

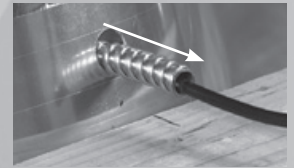


fig. 37

Step 8 (Rigid Tube)

Set the Support Structure in the desired installation position and find the center on top and mark. (fig. 33) Now draw a mark from the center point on the Support Structure to the Rigid Tube (fig. 34) Using the center mark on the Rigid Tube as a guide, make a mark 13" up from the top of the sheetrock (fig. 35) as described in (fig. 20) Now drill a 3/4" hole using the Assorted Drill Bits as described on page 1. (fig. 36) Guide the Light Kit assembly through the hole from inside the Diffuser Housing (fig. 37) Then attach the 3 Legs onto the Wing nut posts and tighten firmly. (fig. 38 & 39) You may need to adjust the Socket and Connecting Bracket slightly to allow the Legs to fit.



fig. 38



fig. 39

Secure the Support Structure and Junction Box then make the electrical connections

WARNING: BEFORE WORKING WITH ANY ELECTRICAL CONNECTIONS

Make sure to switch off your breaker to the circuit you will be working on. If you have any questions or concerns about working with electricity, consult a professional electrician first before proceeding with Step 10 or hire a professional electrician to finish this part of the installation of your Light Kit.

IMPORTANT: Switch off breaker to circuit first!



fig. 40



fig. 41



fig. 42



fig. 43



fig. 44



fig. 45



fig. 46



fig. 47



fig. 48

Step 9

Center the Support Structure under the Junction Box, place the other Reinforcement Ring onto the Flex Conduit and press onto the Flex Tube. Install the Clamp Combination Connector to secure the Flex Conduit to the Junction Box. (fig. 40) Now secure the Support Structure to the ceiling joists with the 3" Deck Screws, (not included) and secure the Junction Box to the Support Structure with the smaller 1" screws (not included) (fig. 41 & 42)

Step 10

Bring the electrical line into the Junction Box and secure with an additional Clamp Combination Connector (fig. 43) Strip open the electric wires and connect with the Wire nuts as shown in (fig. 44 & 45) Connect the ground wire to the Junction Box and tuck the wires in. (fig. 46) Secure the cover. (fig. 47)



fig. 49



fig. 50

We recommend using a 100 Watt equivalent CFL Bulb. (fig 48)

When complete, replace the Diffuser Assembly and switch back on your breaker. Then test the lightswitch to confirm. (fig. 49 & 50) Your Light Kit is now installed.

Helpful Tip

For a tighter fit, you can use foil tape to further seal the exit area of the flexible conduit.

(fig. 51)



fig. 51