

TMJBX / -2X / -3X

INSTALLATION

The brass mounting brackets are angled to match the curved surface of a tree. If mounting to a flat surface, the brackets can be bent to 90°. They can also be removed and the four dimples inside the back of the box used as guides to drill holes for direct mounting. If removed, silicone or other adhesive must be used to plug the tab holes in the junction box and around the drilled mounting holes to ensure the box remains watertight.

1. Verify that the power is off.
2. Detach the Cover & Gasket from the Junction Box by using a 5/32" hex wrench to remove the four 1/4-20 x 3/4" long screws.
3. If the rear conduit entry will not be used, remove PVC plug, apply silicone around male threads of plug, and reinstall.
4. Locate the desired mounting position of the Box. Using the Box as a template, drill pilot holes into the mounting surface with a 5/32" bit. Loosely install the two supplied #14 x 1-1/2" long stainless steel screws. Apply silicone glue around and underneath all screw heads. Tighten all screws. (Figure 1)
5. Run landscape lighting cable or round weatherproof cord (such as SJ, SJO, SJOOW) up the tree to the Box. Use stainless steel cable clamps and screws (by others) to secure the supply wires to the tree. Mark wires where they first contact the Box and cut them 4" (100 mm) longer. Strip 1/2" (12 mm) of insulation off the ends of the wires. (Figure 2) Repeat for opposite side if the wiring is to continue to another fixture farther up the tree.
6. Landscape lighting cable: Apply silicone glue to the male threads of a Romex connector (by others) and screw into the Box. Insert landscape lighting cable into the Box through the connector. Apply additional silicone glue around the cable where it passes through the connector. Tighten down the screws on the connector's clamp to secure the cable. (Figure 3)
7. Round weatherproof cord: Apply silicone glue to male threads of a Cordgrip connector (by others) and screw into the Box. Bring round cord through the connector. Use a crescent wrench to tighten the Cordgrip's hex fitting around the cord. (Figure 3)
8. If the cable will not continue to another fixture, remove PVC plug from unused hole, apply silicone around male threads of plug, and reinstall.
9. For standard knuckle fixtures where a brass locknut is used, place locknut on male thread and continue to thread up to about 1/16" (1.5mm) from knuckle base. Feed fixture wires through hole in Cover and rotate knuckle / fixture

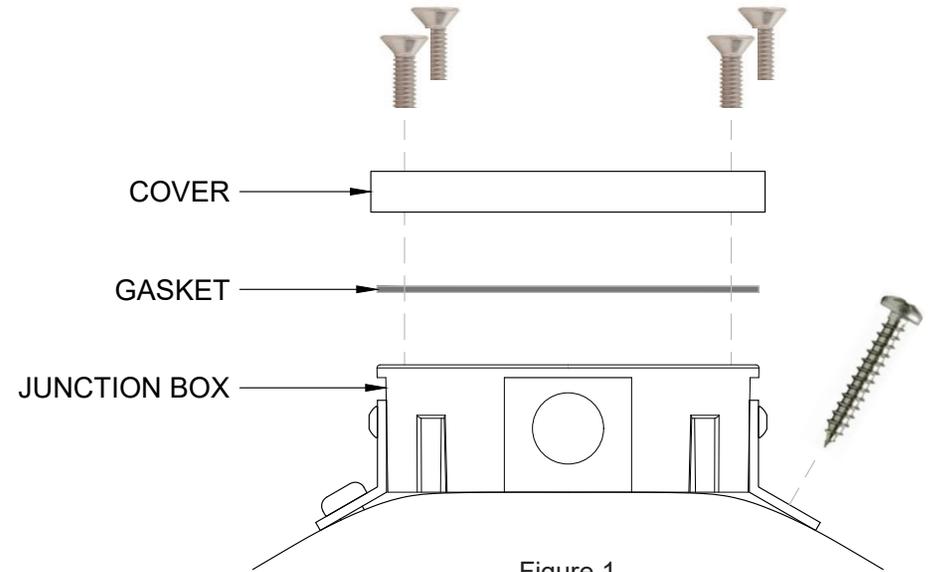


Figure 1

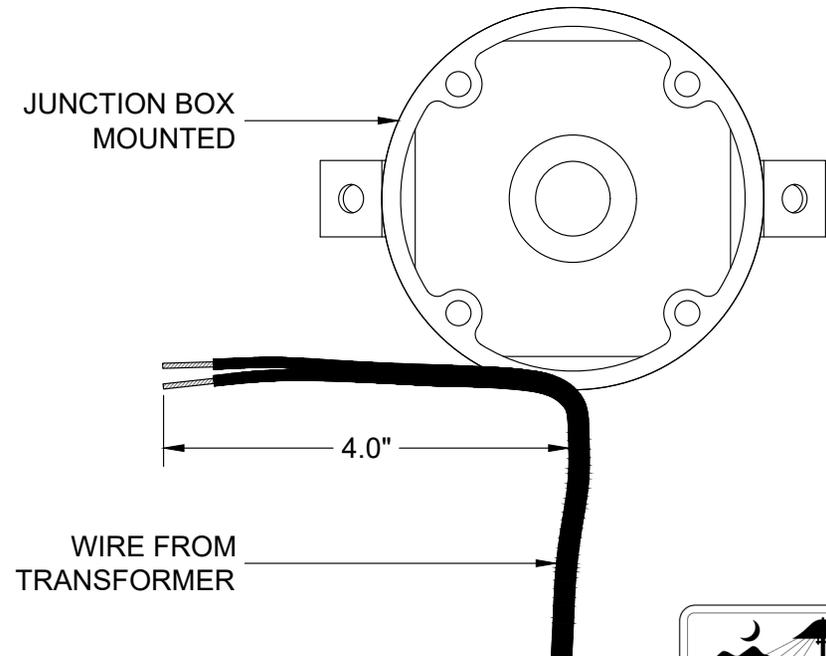


Figure 2



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assembly into the Cover until contact with the locknut is made. Make sure 1/16" gap is maintained. (Figure 4)

10. If the SA accessory is used, where rotation position is fixed by an allen wrench instead of locknut (Figure 4), use high strength threadlocker on the male threads of the SA accessory. Thread the knuckle / fixture assembly fully into the Cover until it bottoms out.
11. Cut fixture wires to approximately 8" (20 cm) long and feed them through the hole in the Gasket. Join fixture wires with supply wires from transformer and, if applicable, to wires continuing to additional fixture(s) farther up the tree. Small silicone-filled wire nuts have been provided with the TMJBX to splice fixture wires to landscape lighting wires up to 12 gauge. **For larger size cable (such as #10), or a splice involving additional wiring to continue up the tree, use the larger silicone-filled wire nuts supplied with the fixture.**
12. Secure the Cover with the fixture(s) and Gasket onto the Box with the screws removed in Step 2. (Figure 1)
13. For standard knuckle assembly, use the locknut to lock in the left / right rotation. For SA accessory, use the larger 3/32" set screw in the knuckle base to lock in the left / right rotation. The smaller set screw is permanent and should not be loosened.

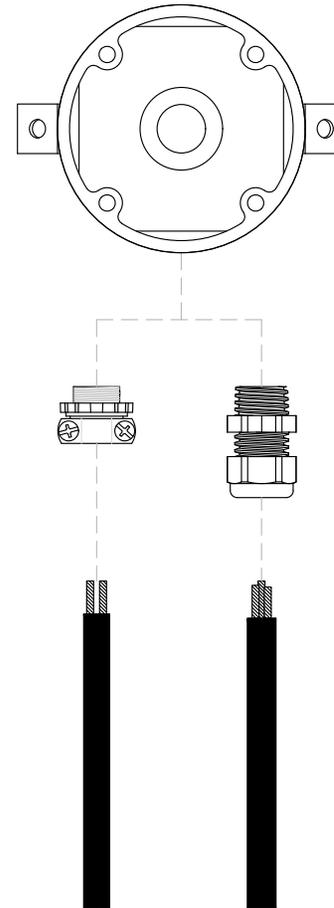


Figure 3

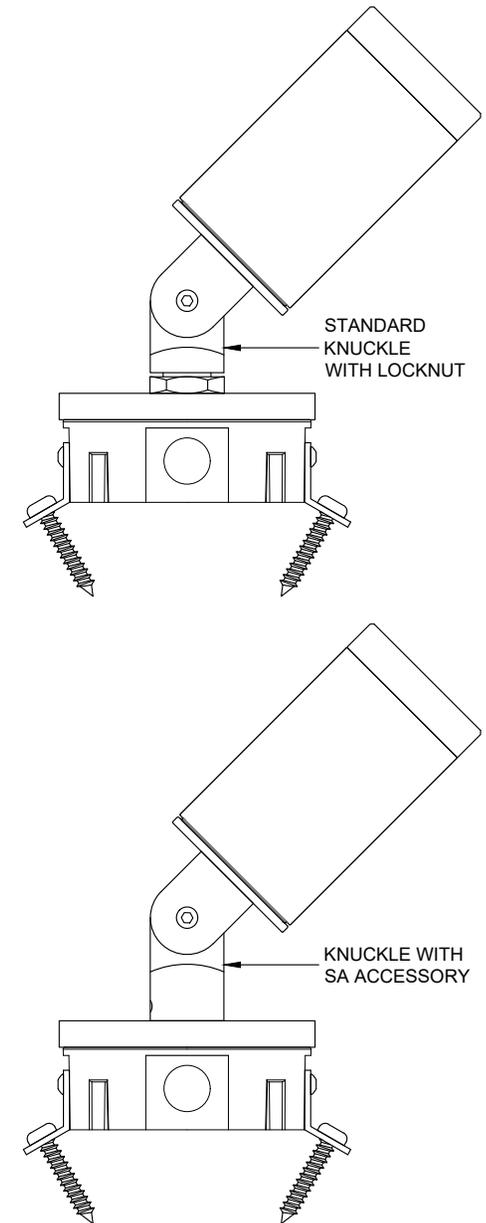


Figure 4