

## Assembly for Woodland Pine Tower Tree

### *Instructions for trees 14 feet high or taller*

1. **Tools Required.** Socket Wrench – size 9/16” or 14 mm and an Open Ended Box Wrench - size 11/16” or 18 mm, Utility knife or Scissor.
2. **Check power source.** Check with an electrician before connecting the tree to a power source. It is important to ensure there is ample power service. Refer to Table 1 amperage requirements. Divide the multiple plugs at the base of the tree among separate circuits to avoid overloads.
3. **Unpack.** Remove all tree sections from the carton(s). Handle the frame parts with care. If pressure is applied, bending or warping may occur. Take care while un-wrapping the frame parts with a knife or scissor. Be careful not to sever the electrical wires.
4. **Check Inventory.** Refer to Table 1 to confirm that all parts are included. In the event that any pieces are missing or broken, call customer service at 1-800-248-1434 or e-mail at [customer.service@gkilights.com](mailto:customer.service@gkilights.com). Be prepared to provide tree size and place of purchase. Complete instructions and an instructional DVD are provided with each Tower Tree and are also available on line at [www.gkilights.com](http://www.gkilights.com).
5. **Sort parts by color.** Construct the tree on a dry, flat, level surface. Components for each tree ring are color coded (Fig. 1). Starting with the bottom ring, match the color coded pieces (red to red, yellow to yellow, and so on) to put rings together. Sections A, B and C are delivered in one piece, D, E, F and G are two pieces and H, I, J, K and L are in four pieces. Assemble and tighten each ring prior to building the tree.
6. **Construct the rings.** All rings are assembled in the same manner. Combine color-coded sections to construct each ring, bolt the brackets together with the enclosed hardware. Be sure to plug in the wiring harnesses as each ring is constructed. (Fig. 2); do not wait until the tree is completed.
7. **Attach rings to the frame.** Lift each ring onto the frame and bolt it into place (Fig. 3).
8. **Insert the connector pole.** After the last ring (Ring A) has been bolted onto the frame, lower the two-foot connector pole into section A. Be sure the pole is completely inserted down the center of the ring. Tighten the six bolts to secure the pole to section A.
9. **Insert and secure the tree top.** Shape the tree top prior to attaching to the frame section pole. The four-foot tree top slides into place over the two-foot section pole (Fig.4). Connect the power. Add and power branches. Be sure to fluff each branch prior to mounting.
10. **Add branches.** All branches are interchangeable. Fluff and test lights on each branch before securing branches on the tree frame. Start at the top of the tree and work down. Hook the branches into the frame slots (Fig. 5). Make certain that the horizontal pin in each branch settles into the tube on the tree ring. Make final adjustments to the branches for fullness as you attach them to the tree.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

**Special Instructions for Trees Displayed Outdoors**

GKI/Bethlehem Lighting recommends the use of a guy wire system (not included) to anchor the tree. Use 1/8” aircraft cable (available at most hardware stores) to connect the three “D” ring attachments on the inside of Ring A to three secure points on the ground.

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**Tree Disassembly and Storage**

- 1. Remove branches.** Beginning at the bottom of the tree, remove the branches and flatten them in a horizontal direction. Store them in their original shipping cartons.
- 2. Dismantle the frame.** Dismantle the frame from the top down. Nest the rings inside of each other for easier storage.
- 3. Store the tree.** Store the tree in a cool, dry place to reduce the risk of damage to the rings and branches.

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**Tree Specifications: Table 1**

| Tree Height*      | Frame Rings by Letters | Ring Diameter Bottom and largest diameter per ring | Total # of Branches | Total # of Rings *** | Total # of Sections *** | Amps Required Incandescent | Amps Required LED |
|-------------------|------------------------|--|---------------------|----------------------|-------------------------|----------------------------|-------------------|
| 14 feet           | D                      | 5'   | 41                  | 5                    |                         | 15                         | 7.2               |
| 16 feet           | E                      | 6'   | 56                  | 6                    | 7                       | 20                         | 9.6               |
| 18 feet           | F                      | 7'   | 74                  | 7                    | 9                       | 26                         | 12.48             |
| 20 feet           | G                      | 8'   | 95                  | 8                    | 11                      | 33                         | 15.85             |
| 22 feet <b>NA</b> | H                      | 9'   | 119                 | 9                    | 15                      |                            |                   |
| 24 feet           | I                      | 10'  | 146                 | 10                   | 17                      | 50                         | 24                |
| 26 feet <b>NA</b> | J                      | 11'  | 176                 | 11                   | 23                      |                            |                   |
| 28 feet <b>NA</b> | K                      | 12'  | 209                 | 12                   | 27                      |                            |                   |
| 30 feet           | L                      | 13'  | 245                 | 13                   | 31                      | 83                         | 39.4              |

\* Frame sections A, B and C are equivalent to six feet of the tree's total height. Tree top section is 6 feet.

\*\*Frame rings for trees measuring 14 to 20 feet are divided into two sections and are labeled as such (i.e., D1 of 2, D2 of 2, etc.). If the tree is taller than 20 feet, the additional base rings are divided into four sections and are labeled as such (i.e., I1 of 4, I2 of 4, I3 of 4, I4 of 4, etc.).

\*\*\* The frame section totals do not include the four-foot, pre-assembled treetop. The top six feet of the tree (four-foot tree top and two-foot connector pole) are packed in a single box.