

## Assembly for Olympia 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. **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 and F are two pieces and G, H and I are in four pieces. Assemble and tighten each ring prior to building the tree.
5. **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.
6. **Attach stabilizers.** Attach the four stabilizers legs to the bottom (base) ring. Place a stabilizer leg on the outside of the bottom ring in front of each downward support bar. Use the enclosed plates and hardware to secure each stabilizer leg to the ring.
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 five-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 five-foot tree top slides into place over the five-foot section pole (Fig.4). Connect the power. Add and power the six branches color coded orange (packed with the tree top). Be sure to fluff each branch prior to mounting. Secure each branch to the stabilizing ring that is located on the five foot pole.
10. **Add branches.** All branches are interchangeable with the exception of the six most tree top branches. 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**

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.

**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.

**Tree Specifications: Table 1**

Tree Height*	Frame Rings by Letters	Ring Diameter Bottom and largest diameter per ring	Total Number of Branches	Total Number of Frame Sections***	Amps Required Incandescent	Amps Required LED
	A	2 feet	6 (coded orange)			
14 feet	B	3 feet	19	2	11.8	2.36
16 feet	C	4 feet	29	3	15.8	3.16
18 feet	D	5 feet	41	4	20.6	4.12
20 feet	E	6 feet	56	5	26.6	5.32
22 feet <b>NA</b>	F	7 feet	80	6		
24 feet	G	8 feet	95	7	42.2	8.44
26 feet <b>NA</b>	H	9 feet	119	8		
28 feet <b>NA</b>	I	10 feet	146	9		
30 feet	J	11 feet	176	10	74.6	14.92

- Frame sections A is equivalent to two feet of the tree's total height. Tree top section is 10' with pole.
- Frame rings for trees measuring 18 to 26 feet are divided into two sections and are labeled (i.e. D1 of 2, D2 of 2, etc.). If the tree is taller than 26 feet, the additional rings are divided into four sections and are labeled (i.e. I1 of 4, I2 of 4, I3 of 4, I4 of 4, etc.).

# Tower Tree

Item# 179427  
 Size 14 feet  
 Lights 2950  
 Watts 1416  
 Amps 11.8  
 Tips 8254  
 Branches 19  
 Plugs 1  
 Sections 2  
 Tree Diameter 9.3 feet  
 Ring Diameter 3 feet  
 Weight (app) 212  
 Cube (CFT) 69  
**LED Item# 100022472**  
**Watts 284**  
**Amps 2.36**

Item# 179465  
 Size 18 feet  
 Lights 5150  
 Watts 2472  
 Amps 20.6  
 Tips 15294  
 Branches 41  
 Plugs 2  
 Sections 5  
 Tree Diameter 11.3feet  
 Ring Diameter 5 feet  
 Weight (app) 581  
 Cube (CFT) 149  
**LED Item# 100022474**  
**Watts 495**  
**Amps 4.12**

Item# 179502  
 Size 24 feet  
 Lights 10550  
 Watts 5064  
 Amps 42.2  
 Tips 32574  
 Branches 95  
 Plugs 4  
 Sections 11  
 Tree Diameter 14.3 feet  
 Ring Diameter 8 feet  
 Weight (app) 1253.2  
 Cube (CFT) 367  
**LED Item# 100022476**  
**Watts 1013**  
**Amps 8.44**

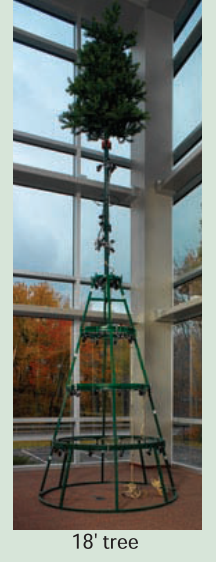
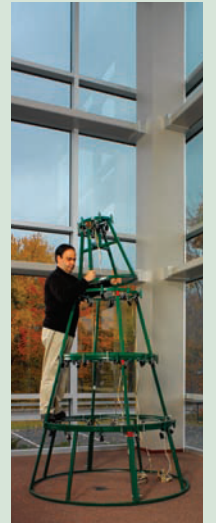
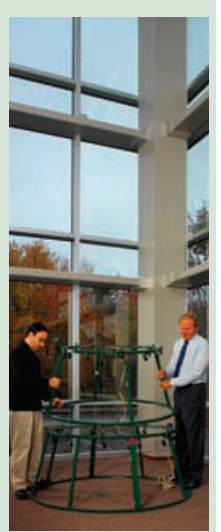
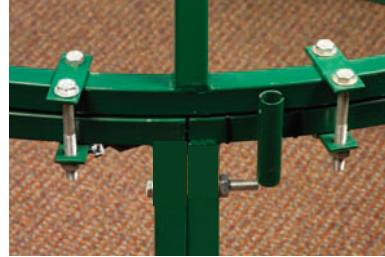
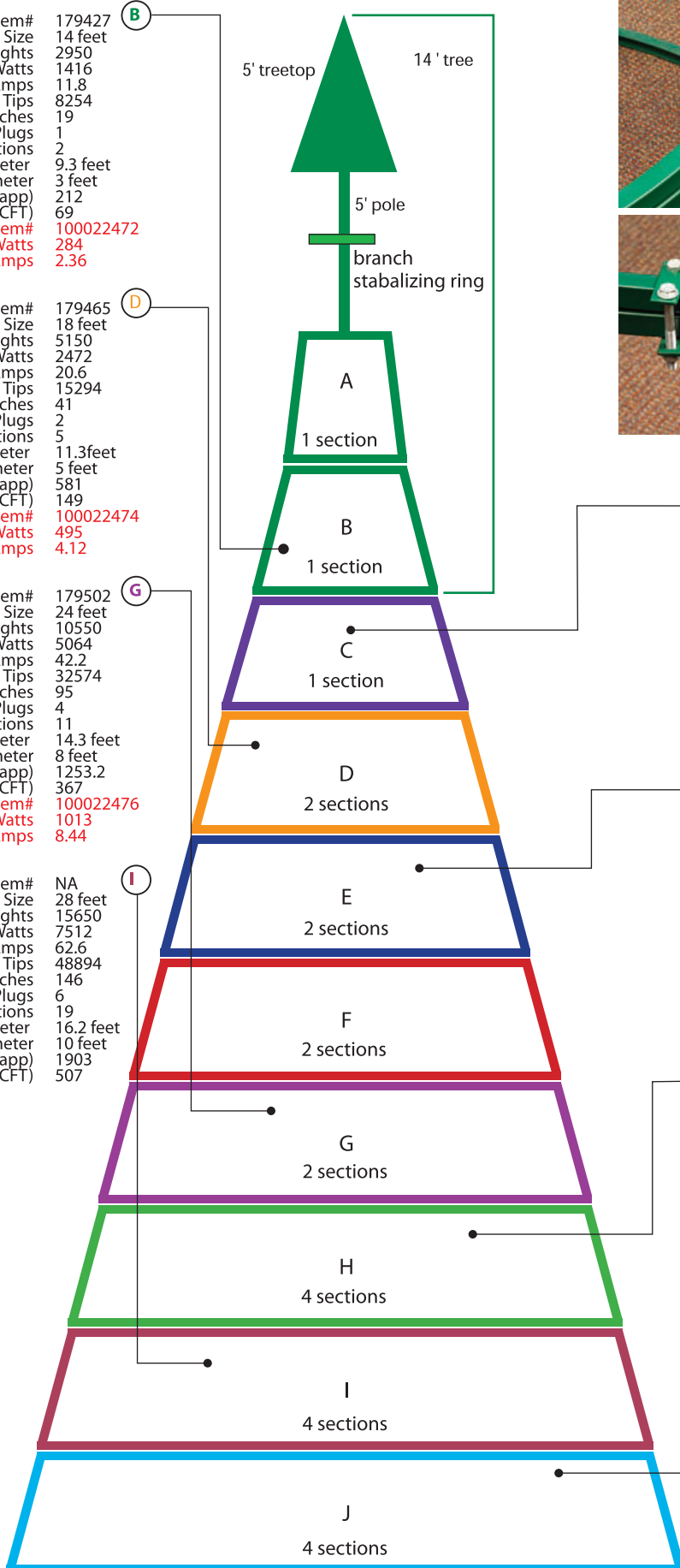
Item# NA  
 Size 28 feet  
 Lights 15650  
 Watts 7512  
 Amps 62.6  
 Tips 48894  
 Branches 146  
 Plugs 6  
 Sections 19  
 Tree Diameter 16.2 feet  
 Ring Diameter 10 feet  
 Weight (app) 1903  
 Cube (CFT) 507

Item# 179441  
 Size 16 feet  
 Lights 3950  
 Watts 1896  
 Amps 15.8  
 Tips 11454  
 Branches 29  
 Plugs 1  
 Sections 3  
 Tree Diameter 10.3 feet  
 Ring Diameter 4 feet  
 Weight (app) 430  
 Cube (CFT) 108  
**LED Item# 100022473**  
**Watts 381**  
**Amps 3.18**

Item# 179489  
 Size 20 feet  
 Lights 6650  
 Watts 3192  
 Amps 26.6  
 Tips 20094  
 Branches 56  
 Plugs 2  
 Sections 7  
 Tree Diameter 12.3 feet  
 Ring Diameter 6 feet  
 Weight (app) 770  
 Cube (CFT) 237  
**LED Item# 100022475**  
**Watts 639**  
**Amps 5.22**

Item# NA  
 Size 26 feet  
 Lights 12950  
 Watts 6216  
 Amps 51.8  
 Tips 40254  
 Branches 119  
 Plugs 5  
 Sections 9  
 Tree Diameter 15.3 feet  
 Ring Diameter 9 feet  
 Weight (app) 1554  
 Cube (CFT) 421

Item# 179564  
 Size 30 feet  
 Lights 18650  
 Watts 8952  
 Amps 74.6  
 Tips 58494  
 Branches 176  
 Plugs 7  
 Sections 23  
 Tree Diameter 17.3 feet  
 Ring Diameter 11 feet  
 Weight (app) 2274  
 Cube (CFT) 576  
**LED Item# 100022477**  
**Watts 1790**  
**Amps 14.92**



Installation must be performed by professional installers and comply with all applicable building and electrical codes. These trees do not ship to private residences.