

INSTALLATION GUIDELINES

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INSTRUCTIONS

1. Slide Firefly (FF) through a fork from top to bottom allowing it to hang down to desired height.
2. Secure FF with a cable tie a few inches from the fork.
3. Continue securing cord down the limb until the next fork.
4. If a 2nd cord is or will be present, join the 2 together and continue down until a fork is reached with a 3rd or 4th cord.
5. With up to 4 cords bend all of them upwards and cut them even approx. 8 inches from curve.
6. Add 1 (power) cord from below.
7. Remove approx. 4 inches of the outer jacket from all 5 cords.
8. Cut approx. 1.5 inches of 1 color.
9. Strip 0.75 of insulation from all 10 wires.
10. Matching colors roll ends of 5 wires together clockwise.
11. Trim ends square at approx. 0.5 inch and screw on blue/orange wire-nut.
12. Repeat with other color.
13. Now, with offset wire connections slip shrink tube over wires until approx. 1 inch past the cut outer jacket.
14. Cut shrink tube approx. 2 inches beyond the end of the longest wire.
15. Fold over and secure with cable tie and screw to tree.



We ignite the night and transcend the ordinary by creating inspiring lighting experiences that redefine outdoor spaces, leaving a lasting impact on individuals and communities alike.


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CREATING THE EXPERIENCE

The quantity of Fireflies (FF) to be installed in a tree depends on its size. Achieving an even distribution and balance of these fixtures is essential, and while there's no fixed number or specific arrangement, most well-balanced installations look great. For optimal results, it's advisable to get a landscape lighting company with experienced tree climbers, as this significantly facilitates the process. However, if tree climbers aren't available, extension ladders, can be used. These ladders offer greater maneuverability within tree canopies compared to heavy fiberglass ladders.

SETTING UP THE PERFECT SPOTS

Initial steps involve identifying a central location within the canopy for the first FF, serving as a reference point for the entire installation. FFs hang from a **low voltage 18-2 VNTC Tray Cable/ Round UV Rated**, powering the fixture, with an average drop of around 5 feet from the branch. Ensuring the chosen branch is sturdy and resistant to excessive wind movement is crucial. Flimsy branches can cause FFs to collide with neighboring branches, so always test the potential swing of each FF to prevent entanglements. Surprisingly, FFs tend to swing minimally in the wind unless suspended from small or weak branches.

INSTALLATION CREW

Depending on the project's size and timeline, the crew size may vary. A crew should ideally comprise a climber/installer, an assembler/strapper, and a spotter/supporter. The best approach involves hanging and securing all FFs with a single zip tie, then stepping back to assess the layout before finalizing the cord positioning down the tree.

The following installation methods exist. One method entails toting the FF up the ladder, sliding it through a fork in the branch, and lowering it to the desired height. Alternatively, a throw bag with a long nylon line can be used, especially when the drop location is out of immediate reach or the climber is climbing without a ladder. In such cases, the throw bag is tossed through the fork, and the FF is pulled up to the desired height after attaching the cord to the line.

To handle multiple FF drops, you should create junctions by combining several drops at a fork and then lowering a single cord. These junctions can further consolidate into main drops, streamlining the overall installation. As the cord reaches the tree's base, if using incandescent lamps, it's advisable to assess the electrical load and consider using a heavier gauge cord to accommodate more Fireflies without overloading the trunk line.

NEXT STEPS

For a visual reference, please find an attached rendering of a tree adorned with Fireflies. This rendering showcases a tree with over 20 Fireflies. To manage this, we recommend strategically arranging junctions to streamline the cord organization and ensure a safe and effective installation.