



Thank you for your iglow™ purchase! Please read the following instructions before proceeding with the installation of your iglow™ hub. The materials you will need are:

1. 12 spoke iglow™ hub (duh!)
2. To build a full-sized iglow (5M arches) you will need twelve (12) 10' length 1" **solid white** PEX tubing. This needs to be **STRAIGHT** sections, NOT coiled PEX. Home Depot carries this product, and can be shipped to your door if you do not have a location that carries it. Consider buying 2 additional pieces to be used as the door arches. This will create a dome approximately 5'6" tall and 11' wide.
3. A ratcheting tube cutter, to cut your 10' PEX into 8'2" lengths. A hacksaw will also work.
4. Twelve (12) 2.5M length or six (6) 5M length IP68 LED strips (HD strips @ 60 LED/m are preferred, but 30 LED/m will work). DO NOT use IP67 "hollow jacket" strips. IP67 strips do not contain the solid silicon-filled jacket that allows the IP68 strips to excel in ruggedness and weather resistance. IP65 strips will work as well, but do not peel away the adhesive backing.
5. 3/8" rebar/stakes or arch bases. It is considered optional, but highly recommended, to secure each end of PEX with an arch base. This allows an easier ground anchoring method while avoiding stress on the led strip itself. Alternatively, 3/8" rebar can be used to anchor each end. Drive the rebar to leave 4"-6" exposed to slip the PEX around to secure. It may help to slightly angle the rebar anchor towards the hub.

- Assembly -

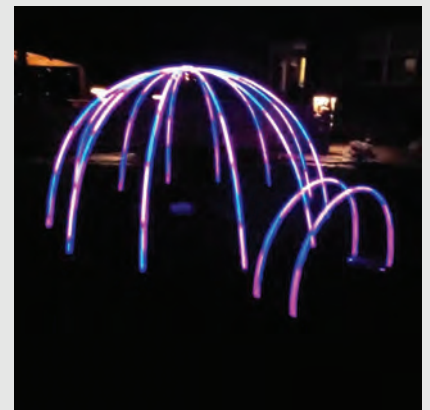
As with any 3D print, **care must be taken to support the hub to avoid overstressing the joints**, causing failure. It is recommended to have 2 people install your iglow (it's also more fun and goes a lot faster!)

You will first need to cut your 10' PEX tubes. 8'2" works great.

Lay your hub down in a center location and each of your PEX tubes. Then begin feeding the male xConnect end (uncollared pigtail) of your LED strips through each 8'2" section in a clockwise fashion (don't skip around!). Now insert each strip through the hub, and the opposite PEX tube. Attach tubes to hub and arch bases.

Hammer a center stake, measure a 65" rope/knot from center. You will use this distance to keep a consistent radius. Make a mark at approximately 32" from each base. Have someone lift the hub slowly after each base is attached.

Failing to lift the hub during this step could lead to hub failure.



Secure the cap and add your doorway to complete the look. Now take a photo or video and post it on our page! :D

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