

# The Bean Farm's Flexwatt Info/Use Sheet

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*Important!! Bean Farm LLC's Flexwatt Disclaimer.* Since the use of this product is beyond our control, there is no implied warranty of results. This product is furnished upon the condition that the user will determine its suitability, that the user assumes all risks whatsoever and that neither the seller nor the manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from use or inability to use the product. The Flexwatt material being supplied is a heating product and a control device should always be used. Flexwatt has these warnings for use; Always allow for air circulation under tank, Do not submerge in water, Do not cut or puncture heat pad, Do not use if pad is discolored.

This product should be used with a rheostat, dimmer (use with a dimmer intended for incandescent lights) or a proportional thermostat. **WARNING! You manufacture this product yourself, there are no implied warranties and you incur all liability when using this product.** The manufacture states that a qualified electrician should install it. Use common sense when using this or any other electrical heat element.

- 11" is 20 watts per foot. Max length of heat strip per connection is 25 feet.
- 6" is 9 watts per foot. Max length of heat strip per connection is 53 feet.
- 4" is 8 watts per foot. Max length of heat strip per connection is 60 feet.
- 3" is 10 watts per foot. Max length of heat strip per connection is 48 feet.

## Items that people have used to cover Flexwatt

- Aluminum Foil Tape, Duct Tape, Glass, Ceramic Tile, Aluminum/Tin Sheet Metal, Kitchen Shelf (contact) paper.
- You can router shelves for the heat tape to sit in. The heat tape can be tacked down with silicone. The heat tape in the routed shelf can have a piece of sheet metal or glass on top of the heat tape in the groove.
- The key is to let the heat dissipate and to not be trapped. Do not nail or staple through heat tape!!!
- You can use a stone or other heat sink above the heat tape to provide a natural warming spot.

## Flexwatt for use in Cages

- If using on shelf with shoe boxes or glass aquariums you can lay the tape on top of the shelf and cover it in a fashion listed above. These enclosures will not burn or melt if tape is regulated properly. We recommend a single pole Leviton dimmer for incandescent lighting or a Proportional Thermostat. See [www.beanfarm.com](http://www.beanfarm.com)
- If using with a wooden cage it is recommended that you cut a slot and slide the tape inside the enclosure and cover it in a fashion listed above. Keep the electrical connections outside the cage. You can also run the tape on the vertical walls inside the cage if desired. Do not use the heat tape underneath a wooden enclosure.

## Controlling Flexwatt

- 600 Watt incandescent rotary on/off Dimmer. See [www.beanfarm.com](http://www.beanfarm.com)
- Proportional Thermostat. See [www.beanfarm.com](http://www.beanfarm.com)

## Important Things to Know about Flexwatt.

- Make sure the heat tape is working before adding the insulators.
- Always allow for air circulation under tank. Use rubber feet to elevate cage off heat tape.
- Do not use thick substrate over heat tape. (1/2 inch or less is best).
- For indoor use only.
- When cutting tape always cut through the clear stripe.
- Always insulate the wired end with Flexwatt insulators (you can also fill them in with silicone when you are finished with the wiring). Insulate the unwired ends of the heat tape with electrical tape or 3M sealant tape. See the diagram on Flexwatt instruction sheet.
- For those who are electrically inclined, as an alternative to using the metal connectors, you can solder a cord set directly to the heat tape.
- To hook up a dimmer make sure you do so between the plug and the heat tape. When splicing in dimmer cut only one of the two wires that go to the tape. Do not cut both! After cutting one wire hook the dimmer up "in line". If you do not understand this ask a qualified person to help. Use an insulation box to house the dimmer and its connections. For thermostats follow the manufactures instructions.
- Do not plug the heat tape in when it is rolled up or overlapping.
- Do not submerge in Water.
- Do not Puncture Heat Tape.
- Do not use on Carpet.
- Do not place cage on cord or clip sets.
- If Heat Tape is discolored, unplug, discard and install new heat tape.
- Flexwatt Heat Tape is sold by the foot. We sell clip sets, cord sets, dimmers and thermostats. Each Clip set makes one electrical connection. All Flexwatt items are sold separately.