

Pump: 20 amp, 240v (optional 120v)

- Gfci protection required
- Needs wired thru a “on/off switch” so that the pump can be turned on/off
- Direct wire to pump (no cord and plug provided)
- Factory pre-wired for 240v (follow the diagram on the pump to convert to 120v)

Electric Heat Pump: 30 amp, 240v

- The heat pump may cause a GFCI breaker to trip but some municipalities may require the GFCI protection.
- Ignore instructions to wire the pool pump to the heat pump.
- Direct wire to the heat pump (no cord with plug provided)

Gas Heater: 20 amp, 120v/240v

- GFCI protection required
- 20 amp, 120v is most common (follow the wiring diagram on the heater to convert to 120v)
- Direct wire to the gas heater (no cord with plug provided)
- Gas Line Size: typically 1” depending on the total length of the pipe and the heater model (please refer to owners manual)

Lights: 20 amp, 120v

- Gfci protection required
- Light Color Controller needs installed inside of a “light switch” box
- Direct wire to the light transformer (no cord with plug provided)

Robotic Auto Vacuum: 20 amp, 120v

- Gfci protection required
- 120v receptacle outlet (cord with plug included)
- It is not recommended to run robotic vacuums on an extension cord.

***These are general notes for planning purposes only. All work should be performed by a licensed electrician and in accordance with local and national electric codes. Please refer to the product owners manual.**

Pool Pump:

Expert Line Super Pump 1 HP (Model: SP2670007X10)

<https://www.hayward-pool.com/assets/documents/pools/pdf/manuals/SuperPump-Owners-Manual-IS26001-REVB.pdf>

Pool Heaters:

Electric Heat Pump 50,000 BTU (Model: HP50HA)

<https://www.hayward-pool.com/assets/documents/pools/pdf/manuals/HP50A-HP50HA-Manual-Bilingual.pdf>

Electric Heat Pump 70,000 BTU Heat Pump (Model: HP70HA)

Gas Heater 150,000 BTU (Model: H150FD)

<https://www.hayward-pool.com/assets/documents/pools/pdf/manuals/universal-h-series-installations-manual.pdf>

<https://www.hayward-pool.com/assets/documents/pools/pdf/manuals/universal-h-series-owners-manual.pdf>

Lights:

Lights Globrite 12v (Model: 602055)

<https://www.pentair.com/content/dam/extranet/nam/pentair-pool/residential/manuals/lighting/globrite/globrite-color-changing-led-light-manual-english-spanish-french.pdf>

Light Controller Color Sync (Model: 618031)

<https://www.pentair.com/content/dam/extranet/nam/pentair-pool/residential/manuals/lighting/color-sync-controller-for-pentair-color-led-pool-lights/color-sync-controller-installation-guide-for-pentair-color-led-lights.pdf>

<https://www.pentair.com/content/dam/extranet/nam/pentair-pool/residential/manuals/lighting/color-sync-controller-for-pentair-color-led-pool-lights/color-sync-controller-quick-start-guide-for-pentair-color-led-lights.pdf>

<https://www.pentair.com/content/dam/extranet/nam/pentair-pool/residential/manuals/lighting/color-sync-controller-for-pentair-color-led-pool-lights/color-sync-controller-users-guide-for-pentair-color-led-lights.pdf>

Wiring GloBrite® Color Lights to IntelliBrite® Controller and 300 Watt Transformer

The following diagram shows how to connect GloBrite® color light to an IntelliBrite Controller using a 300 Watt transformer. Note: For GloBrite light operating instructions, see page 2.

