



The following information applies to Glastender LLD and LLDS model lighted liquor display units. Please review this information before installation and operation. Long term, trouble-free service will follow if good housekeeping and maintenance procedures are followed. Thank you for selecting Glastender, Inc. products.

- **Electrical:** 115 Volt AC, 1 Phase, 60 Hz, less than 5 Full Load Amps. A 9-foot grounded cord is included.

### UNCRATING AND START-UP INSTRUCTIONS

1. Unwrap power cord.
2. Position the Lighted Liquor Display.
3. Typically, displays up to 54" are shipped as a single unit and need no further assembly. For units 60" and longer:
  - Remove six screws from the each top, remove tops. (Fig. 1)
  - Put the right LLD power cord through the side hole. (Fig. 2)
  - Add the provided spacer to the right LLD. (Fig. 2)
  - Start one screw from inside the right LLD to keep the spacer in line. (Fig. 3)
  - Align the two ends of the Lighted Liquor Displays. (Fig. 4)
  - Put the power cord into the left LLD and plug in.
  - Finish the started screw, and three more to secure the units together. (Fig. 3)
  - Reinstall the tops with six screws each.
4. Plug into 115 volt AC outlet.
5. Through the power cord side hole, turn the switch ON.
6. Your Glastender Lighted Liquor Display is now ready for use.

### CHANGING A LIGHT BULB

1. Disconnect the electrical power.
2. Unscrew and remove the top.
3. Twist the bulb, and remove.
4. Align the new bulb pins, set in and twist into position.
5. Put the top back in place and secure with screws.

6 screws for top installation

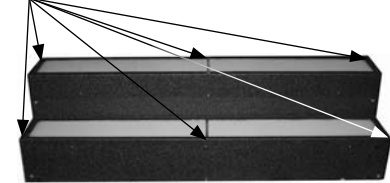


Figure 1

spacer between units

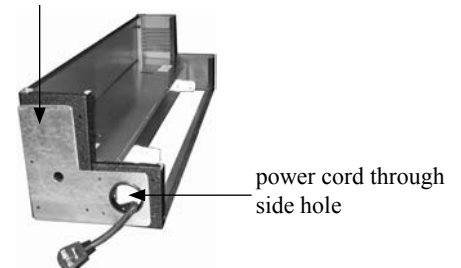


Figure 2

3 screw holes to secure units together

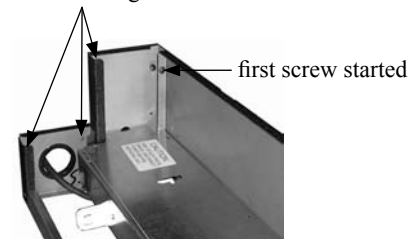


Figure 3



Figure 4

## IMPORTANT!!

No labor warranty. One year parts warranty only. If any issues occur contact the factory immediately for assistance at 800.748.0423, 8AM to 5PM EST, Monday through Friday.



# LIGHTED LIQUOR DISPLAY

## IMPORTANT SAFETY INSTRUCTIONS



When using a lighted liquor display, basic precautions should always be followed, including the following:

Read all instructions before using this device.

**DANGER** — To reduce the risk of electric shock:

1. Always unplug this device from the electrical outlet before cleaning or servicing.

**WARNING** — To reduce the risk of burns, fire, electric shock or injury to persons:

1. Unplug from outlet before changing bulb assemblies, or otherwise servicing.
2. Use this device only for its intended use as described in these instructions.
3. Never operate this device if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or if it has been saturated with liquid. Contact the factory for return authorization and repair options.
4. Never operate this device with the air openings blocked. Keep the air openings free of lint, dust, and the like.
5. To disconnect, turn unit off then remove the plug from outlet.
6. Keep cord away from heated surfaces.
7. Do not use outdoors.

**WARNING:** Risk of electrical shock – connect this furnishing to a properly grounded outlet only. See Grounding Instructions.

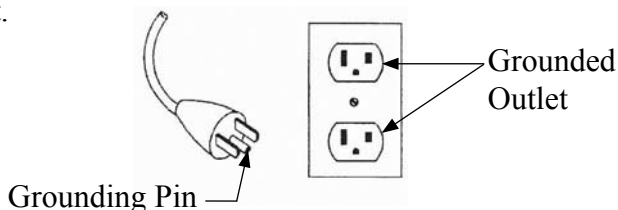
### SAVE THESE INSTRUCTIONS

#### GROUNDING INSTRUCTIONS

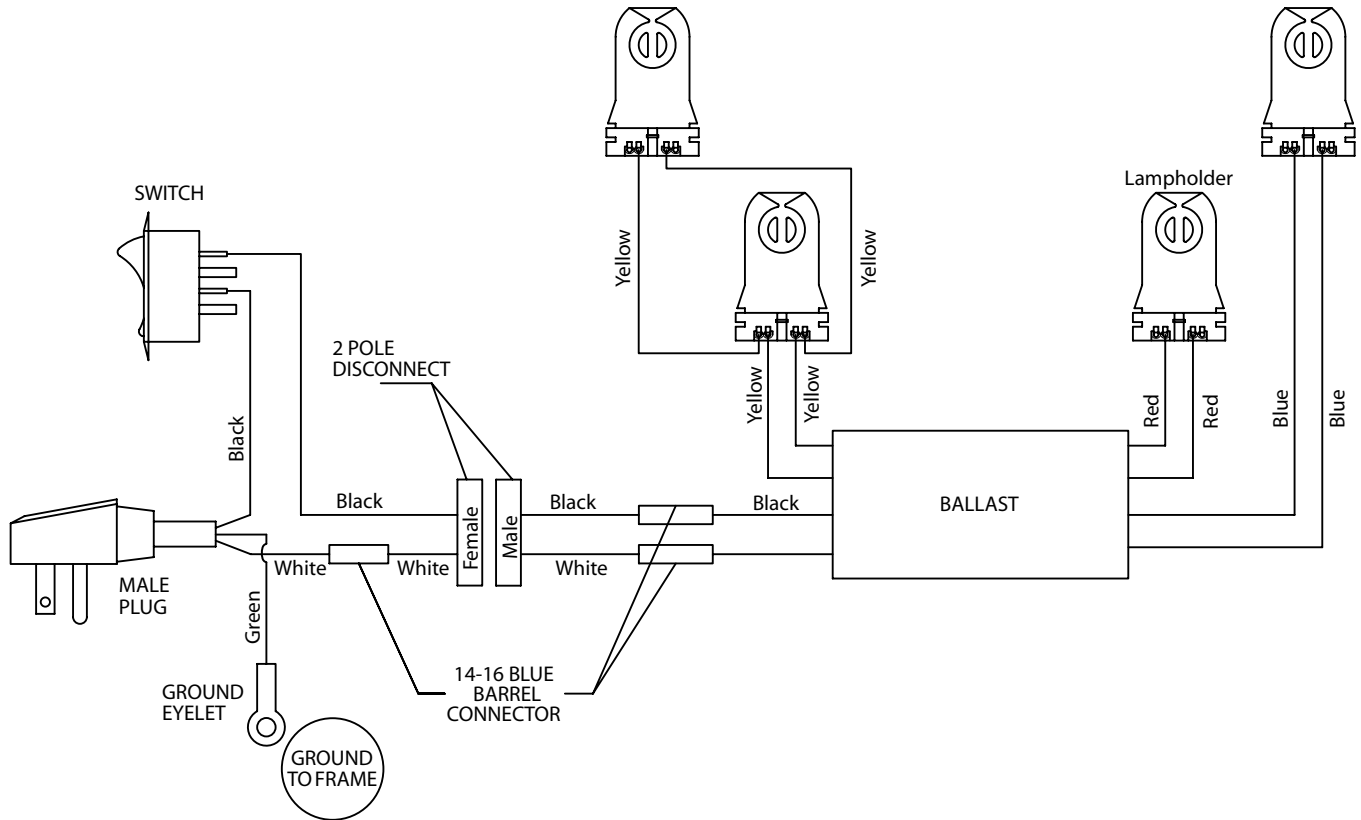
This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

**DANGER** — Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

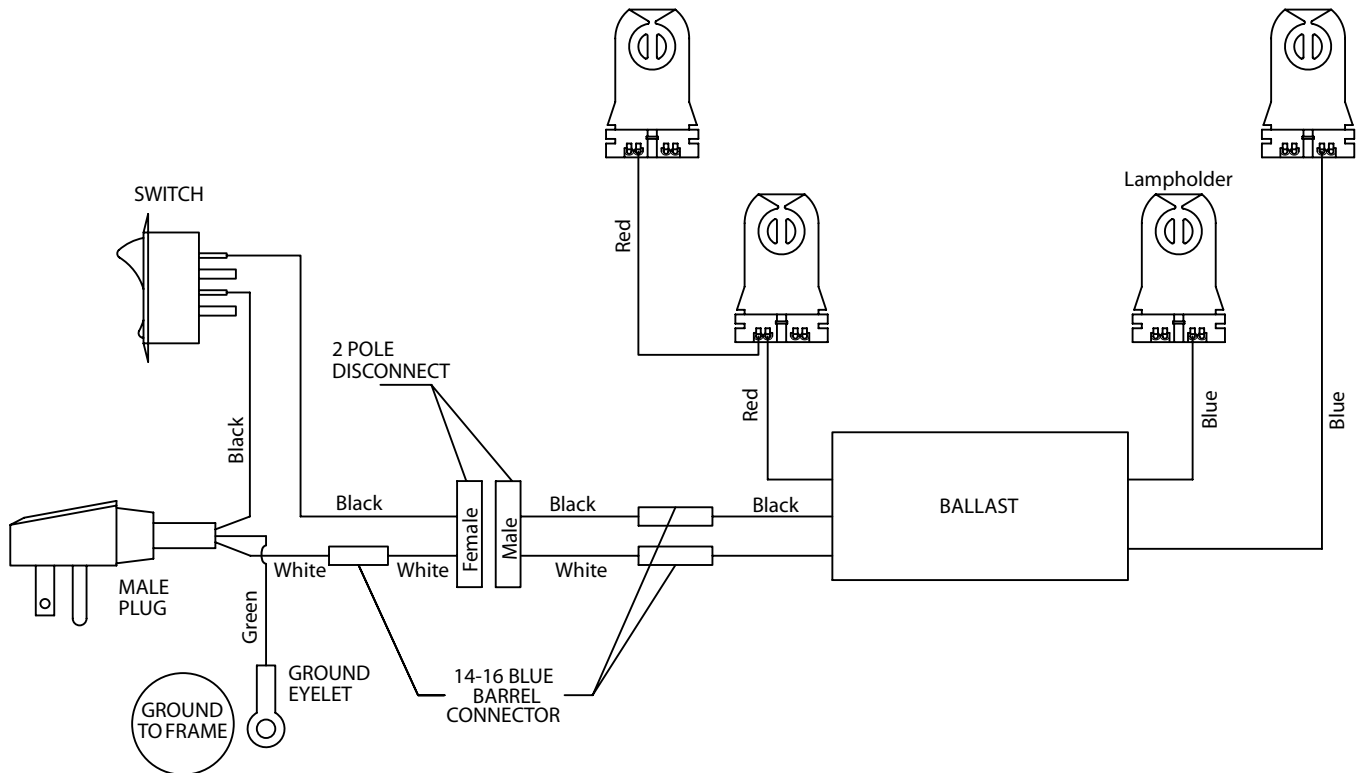
This product is for use on a nominal 120-volt circuit and has a grounding plug that looks like the plug illustrated below. Make sure that the product is connected to an outlet having the same configuration as the plug. No adapter should be used with this product.



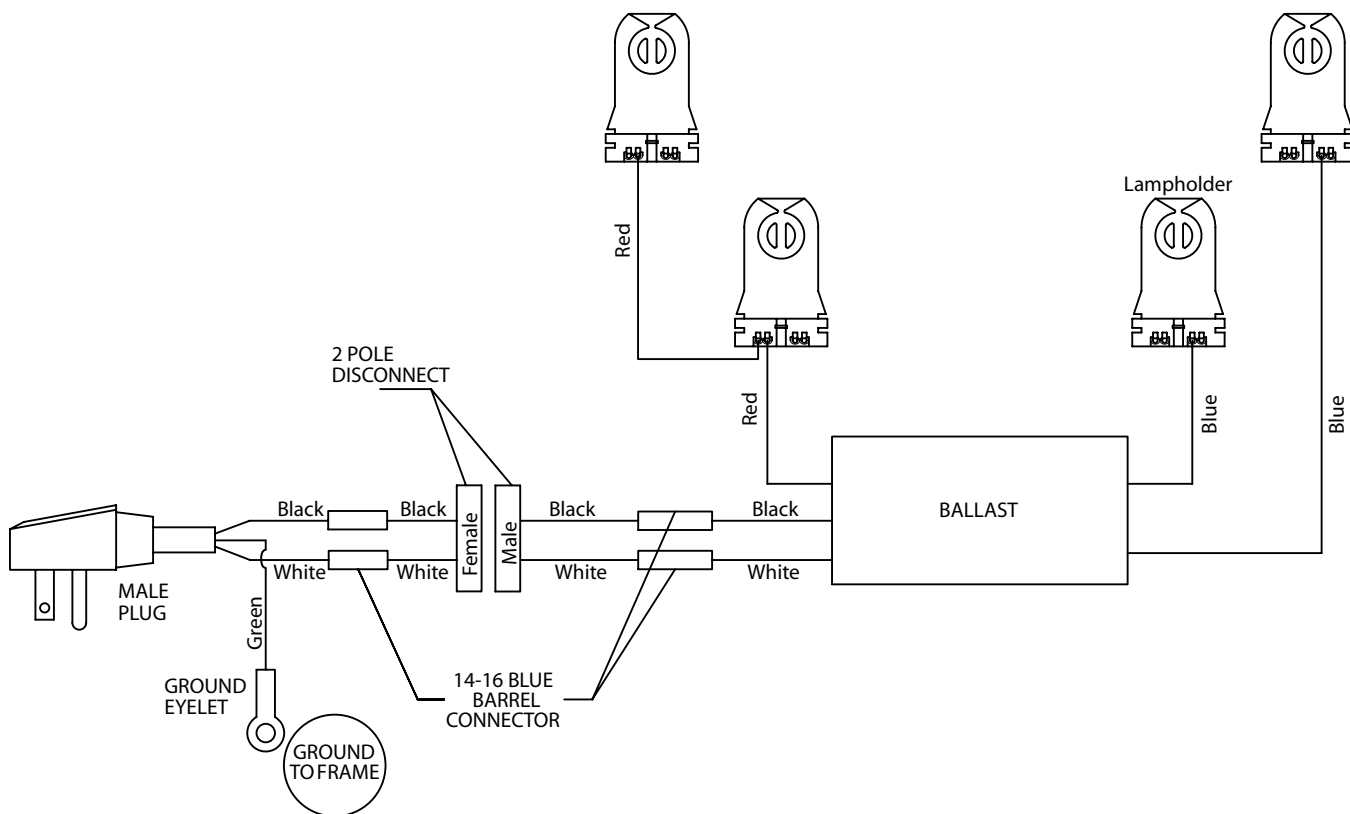
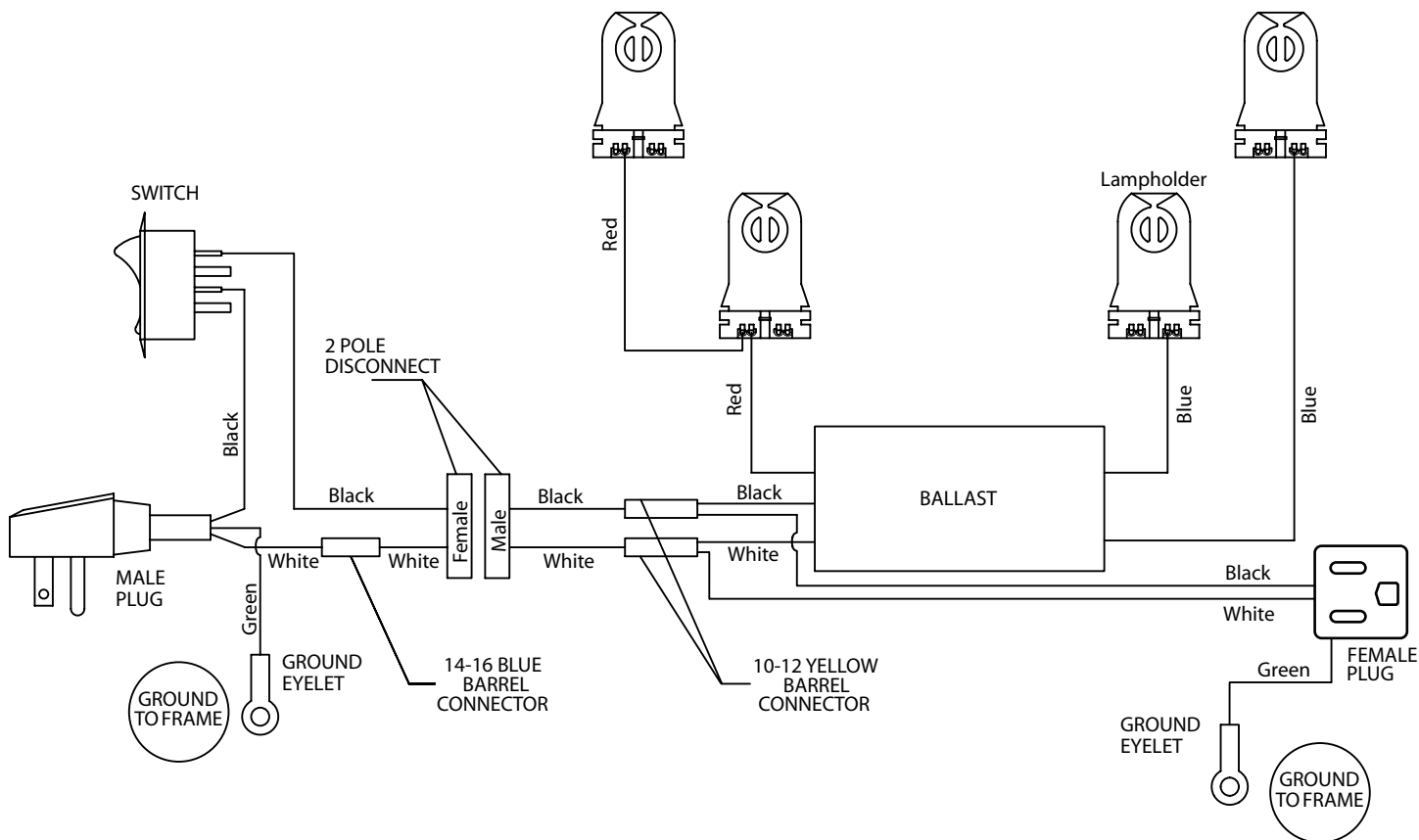
# WIRING DIAGRAM FOR 24" LLD OR LLDS MODELS



# WIRING DIAGRAM FOR 30"-54" LLD OR LLDS MODELS



# Glas tender WIRING DIAGRAM FOR 60"-108" LLD OR LLDS MODELS



# REPLACEMENT PARTS



Part No.	Description	Price
1. 06001422	Ballast, 2 lamp, (LLD24)	55.00
12000323	Ballast, 2 lamp, 32W T8 for use with 24", 36" & 48" bulbs	76.00
2. 12000090	Lamp holder, Fluorescent light	9.50
3. 12000324	Bulb, Fluorescent 18" T8 (LLD24)	14.00
12000325	Bulb, Fluorescent 24", 17W T8 (LLD30, LLD36)	14.00
12000326	Bulb, Fluorescent 36", 25W T8 (LLD42, LLD48)	14.00
12000322	Bulb, Fluorescent 48", 32W T8 (LLD54)	10.00
4. 06001314	Power cord, 132" long	35.00
5. 12000314	Panel, front, LLD24 1/8" x 2-7/8" x 21-5/8", clear plexiglass	8.00
12000315	Panel, front, LLD30 1/8" x 2-7/8" x 27-5/8", clear plexiglass	10.00
12000316	Panel, front, LLD36 1/8" x 2-7/8" x 33-5/8", clear plexiglass	12.00
12000317	Panel, front, LLD42 1/8" x 2-7/8" x 39-5/8", clear plexiglass	14.00
12000318	Panel, front, LLD48 1/8" x 2-7/8" x 45-5/8", clear plexiglass	16.00
12000319	Panel, front, LLD54 1/8" x 2-7/8" x 51-5/8", clear plexiglass	18.00
6. 12000103	Panel, top, LLD24, clear plexiglass	8.00
12000095	Panel, top, LLD24 translucent plexiglass	8.00
12000104	Panel, top, LLD30, clear plexiglass	10.00
12000096	Panel, top, LLD30, translucent plexiglass	10.00
12000109	Panel, top, LLD36, clear plexiglass	12.00
12000097	Panel, top, LLD36, translucent plexiglass	12.00
12000110	Panel, top, LLD42, clear plexiglass	14.00
12000098	Panel, top, LLD42, translucent plexiglass	14.00
12000111	Panel, top, LLD48, clear plexiglass	16.00
12000105	Panel, top, LLD48, translucent plexiglass	16.00
12000112	Panel, top, LLD54, clear plexiglass	18.00
12000106	Panel, top, LLD54, translucent plexiglass	18.00

