MANITOWOC ICE
2110 SOUTH 26TH STREET, MANITOWOC, WI 54220
800-545-5720
WWW.MANITOWOCICE.COM

Instruction Sheet

Subject: Indigo® NXT LuminIce® II Installation

K00464, K00465

⚠Warning

Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, local/national regulations for disconnection/ lock out/tag out procedures for all utilities including electric, gas, water and steam..

DANGER

Disconnect electric power to the ice machine at the electric switch box before proceeding. Failure to disconnect the power at the main power supply disconnect could result in serious injury or death. The power switch DOES NOT disconnect all incoming power.

DANGER

- Two or more people are required to move this equipment to prevent tipping.
- Locking the front casters after moving is the owner's and operator's responsibility. When casters are installed, the mass of this unit will allow it to move uncontrolled on an inclined surface. These units must be tethered/secured to comply with all applicable codes.

Compatible Indigo® NXT models

- Self-contained air or water-cooled models
- Remote condenser air-cooled models
- QuietQube remote condensing unit models
- Ice Beverage remote condensing unit models

LuminIce®II

The LuminIce®II growth inhibitor recirculates the air in the ice machine foodzone over a UV bulb. This process will inhibit the growth of common micro-organisms on all exposed foodzone surfaces.

All LuminIce®II bulbs require replacement on a yearly basis. Although the bulb will still illuminate after 12 months, the effectiveness of the bulb diminishes as operational hours increase. To retain maximum effectiveness, replace the bulb on a 12 month schedule.

Indigo® NXT control boards will automatically recognize the LuminIce® II. A 12 month bulb change reminder is set and a LuminIce® II icon is added to the touchscreen.

- A blue icon is shown for normal operation
- A red icon is shown when bulb replacement is required.
- An icon flashing red/blue indicates an incorrect bulb is installed.

K00464
Indigo® NXT 22” & 30” Wide - Single Evaporator

COMPONENT PARTS INCLUDED IN THE KIT:

Description	Qty
LuminIce II Assembly	1
Evaporator Dust Cover – 22 Inch and IT0450	1
Evaporator Dust Cover – 30 Inch	1
Evaporator Dust Cover – IT1200 Only	1
LuminIce Mounting Bracket	1
Long Bulkhead Fitting	1
Short Bulkhead Fitting	1
Tubing Clamp Snap	1
Snap Bushing	1
Adhesive Wire Clip	1
Tube LuminIce - 4.5 Inch - Short	1
Tube LuminIce - 7.25 Inch - Long	1
Screws	6
LuminIce Label	1
LuminIce Shield Decal	1
LuminIce Low Voltage Harness	1
White Silicone - 3 ounces	1

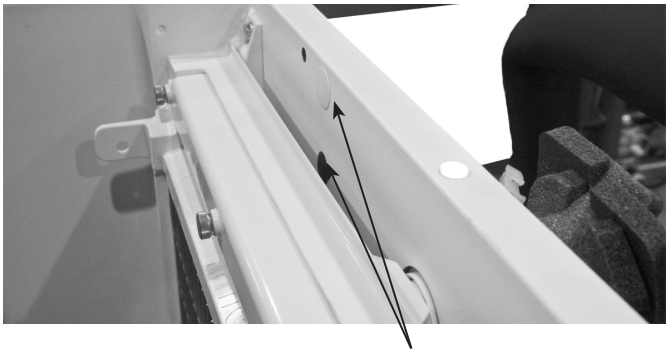
K00465
Indigo® NXT 48” Wide - Single Evaporator

COMPONENT PARTS INCLUDED IN THE KIT:

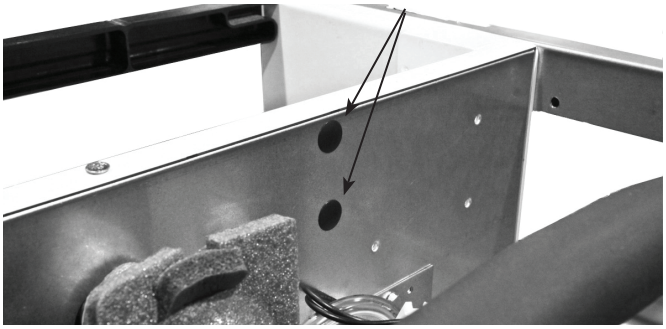
Description	Qty
LuminIce II Assembly	1
Evaporator Dust Cover – 48 Inch	1
IB Unit LuminIce Large Mounting Bracket	1
Two Evaporator LuminIce Small Mouting Bracket	1
Long Bulkhead Fitting	1
Short Bulkhead Fitting	1
Tube LuminIce 24”	2
Tubing Clamp Snap	2
Snap Bushing	1
Adhesive Wire Clip	1
Self-Tapping Flat Head 10-24, 1/2” Long Screw	4
Self-Tapping Hex Head 10-24, 5/16” Long Screw	2
Self-Tapping Hex Head 10-24, 1/2” Long Screw	2
LuminIce Label	1
LuminIce Shield Decal	1
LuminIce Low Voltage Harness	1
White Silicone - 3 ounces	1

PROCEDURE

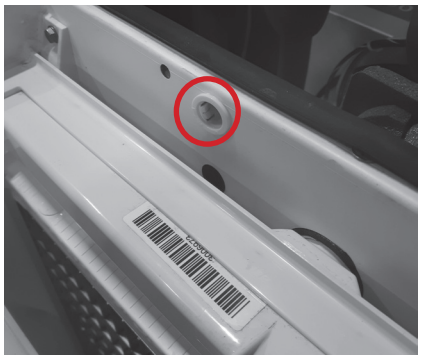
1. Disconnect all power to the ice machine at the electrical disconnect.
2. To allow access for the LuminIce® tubing, the evaporator dust cover and plastic caps in the evaporator and compressor compartment bulkhead wall must be removed and discarded.



Remove Plastic Caps From Bulkhead In The Evaporator and Compressor Compartment



3. Install snap bushing to bulkhead.

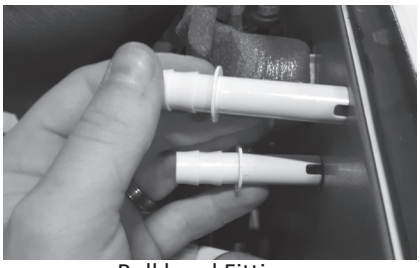


4. Install bulkhead fittings to connect LuminIce hoses.

- Apply silicone to the bulkhead fittings along the side that inserts into the bulkhead. Apply pressure to secure to bulkhead.



Apply Silicone



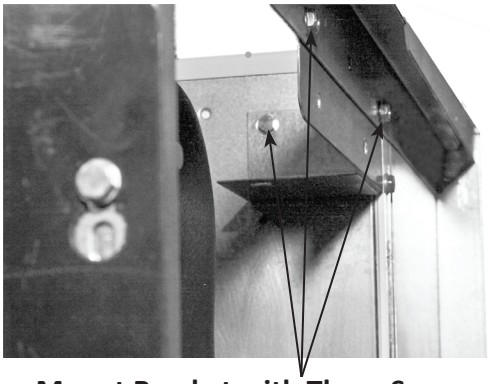
Bulkhead Fittings



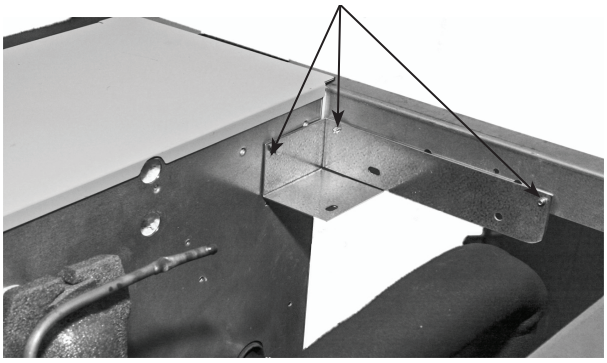
Front View - Bulkhead Fitting Installed

5. 22” & 30” Mountng

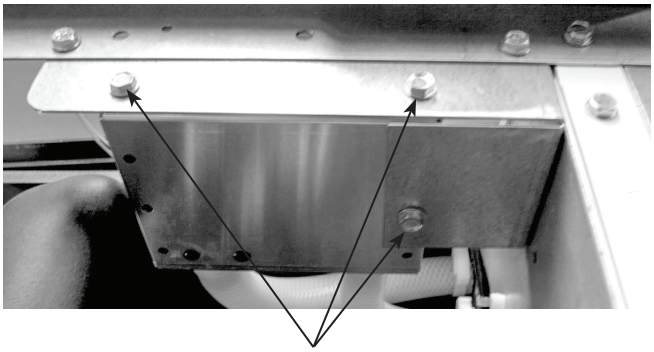
- Assemble bracket to left-hand top rail with three provided screws.



Mount Bracket with Three Screws



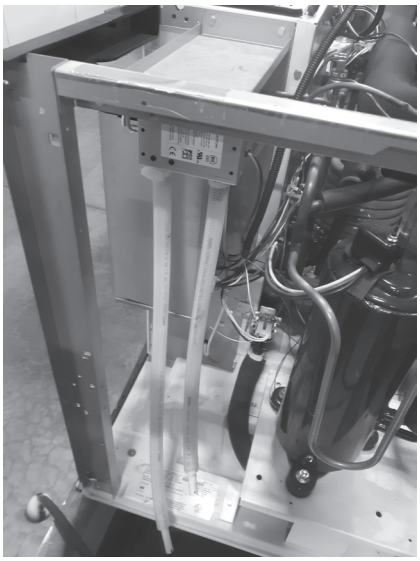
- Assemble LuminIce® to bracket with three screws provided. The bulb and bulb wiring must face toward the rear of the ice machine to allow bulb replacement with LuminIce® in place.



Mount LuminIce to Bracket with Three Screws

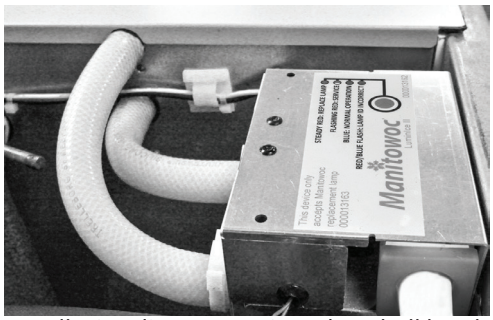
6. 48" Mountng

- Assemble tubing to LuminIce® and secure with hose clamps.
- Remove the bulkhead support bracket from the ice machine.
- LuminIce® mounts to the bottom of the bulkhead support bracket, reattach bracket to ice machine once LuminIce® is secured.



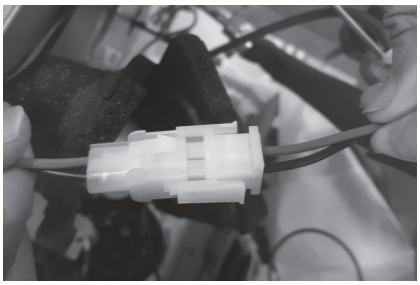
7. Route LuminIce® hoses to evaporator and attach

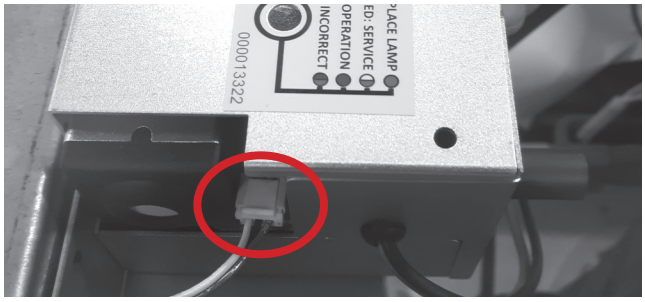
- The shorter tubing adapter inserts to the bottom hole and is the air intake and connects to the gray pipe of the device. Fasten the hose to the device pipe with a hose clamp.
- The longer tubing adapter inserts into the top hole and is the air exhaust and connects to the silver pipe of the device. Fasten the hose to the device pipe with a hose clamp.



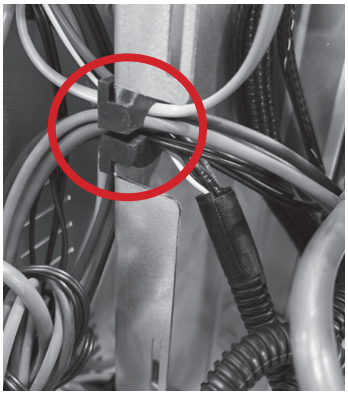
Install wire clip. Route wires along bulkhead.

8. Connect the LuminIce® power cable to the wire harness using the molex connector. Then connect the small end status wire to the LuminIce® by snapping into the device terminal.





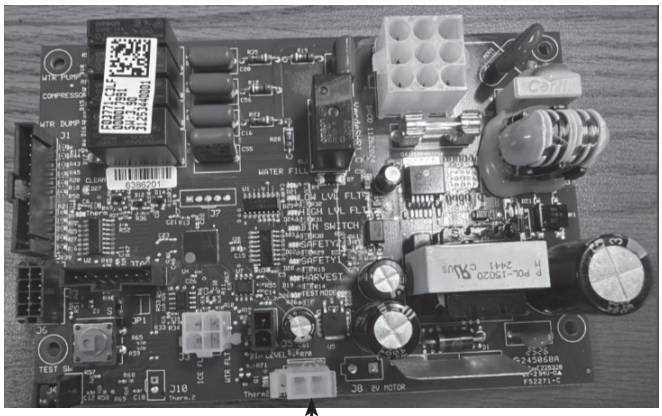
9. Route the low voltage wiring harness through the control box Heyco fitting.
R290 units only: Remove divider wall. Route the low voltage wiring harness with the other wires entering the control box. Reinstall the divider wall.



R290 Units Only

10. Install the wire clip to the back of the evaporator bulkhead and bundle the wires close to the bulkhead so they are away from moving or energized parts.

11. Connect the low voltage wiring harness to the control board connector.



LuminIce® Connector

12. Test run the ice machine and LuminIce®. A noticeable draft will be emitted from the upper hose adapter during operation.
13. Install the notched evaporator dust cover from the kit. K00464 Only: The longer cover goes with all 30” wide machine except for the 450 Series. The 22” machines and 450 Series use the shorter dust cover.

NOTE: The ice machine control board will automatically recognize the LuminIce® II. A 12 month bulb change reminder is set and a LuminIce® II icon is added to the touchscreen.

- A blue icon is shown for normal operation
- A red icon is shown when bulb replacement is required.
- An icon flashing red/blue indicates an incorrect bulb is installed.

K00465 Indigo® NXT Two-Evaporator Ice Machine Installation

COMPONENT PARTS INCLUDED IN THE KIT:

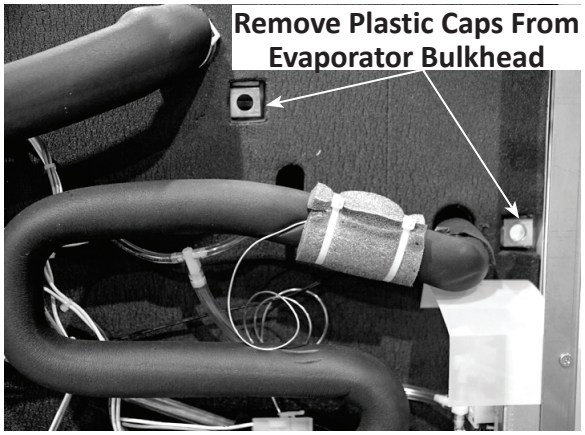
Description	Qty
LuminIce II Assembly	**1**
Evaporator Dust Cover – 48 Inch	**1**
IB Unit LuminIce Large Mounting Bracket	**1**
Two Evaporator LuminIce Small Mouting Bracket	**1**
Long Bulkhead Fitting	**1**
Short Bulkhead Fitting	**1**
Tube LuminIce 24”	**2**
Tubing Clamp Snap	**2**
Snap Bushing	**1**
Adhesive Wire Clip	**1**
Self-Tapping Flat Head 10-24, 1/2” Long Screw	**4**
Self-Tapping Hex Head 10-24, 5/16” Long Screw	**2**
Self-Tapping Hex Head 10-24, 1/2” Long Screw	**2**
LuminIce Label	**1**
LuminIce Shield Decal	**1**
LuminIce Low Voltage Harness	**1**
White Silicone - 3 ounces	**1**

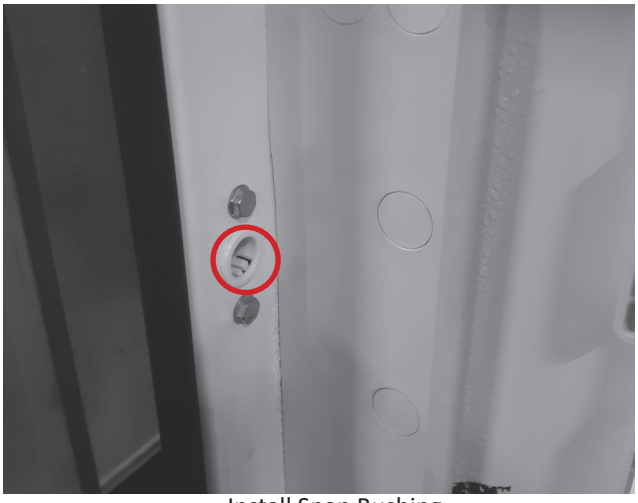
DANGER

Disconnect electric power to the ice machine at the electric switch box before proceeding. Failure to disconnect the power at the main power supply disconnect could result in serious injury or death. The power switch DOES NOT disconnect all incoming power.

NOTE: The smaller bracket in this kit is only used in the two-evaporator machines. The larger of the two brackets are used in the IB configurations only. No bracket is required for 48” machines. Two-evaporator machines and IB machines do not require a new dust cover.

1. Disconnect all power to the ice machine at the electrical disconnect.
2. To allow access for LuminIce® tubing, the plastic caps in the evaporator compartment bulkhead wall must be removed and discarded. Cap located behind evaporator will fall into the water trough. Remove water trough to retrieve cap, then discard.

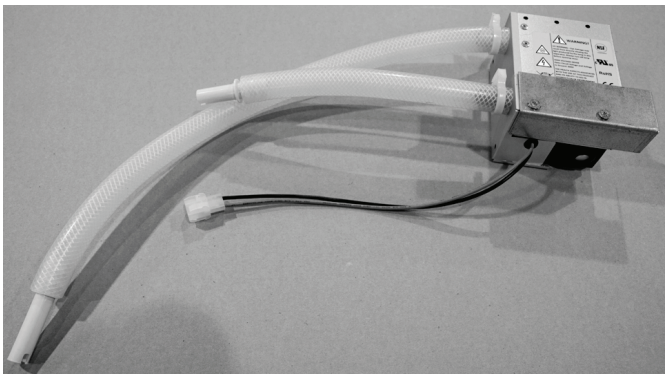




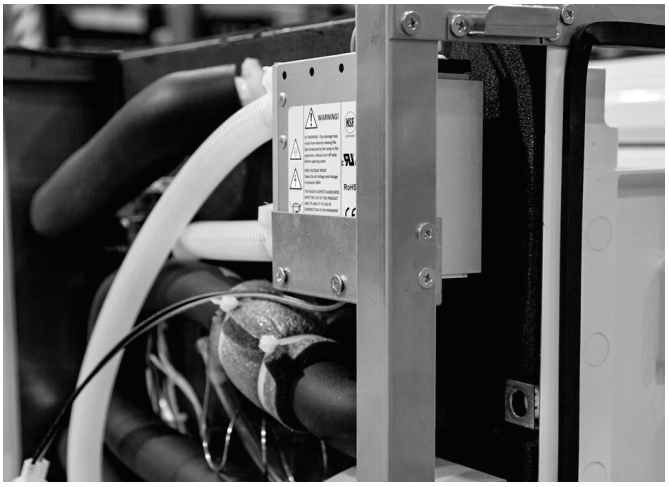
Install Snap Bushing

3. Cut hose to length.
   - Cut one hose 8” (20 cm) long.
   - Cut one hose 18” (46 cm) long.
4. Assemble LuminIce®.
   - Assemble LuminIce® device to the small mounting bracket.
   - Install tubing and secure with hose clamps.
   - Insert tubing adapters. The longer tubing adapter goes into the food zone and the shorter one goes behind the evaporator and the lower bulk head behind the evaporator

NOTE: The bulb and bulb wiring must face toward the top of the ice machine to allow bulb replacement with LuminIce® in place.



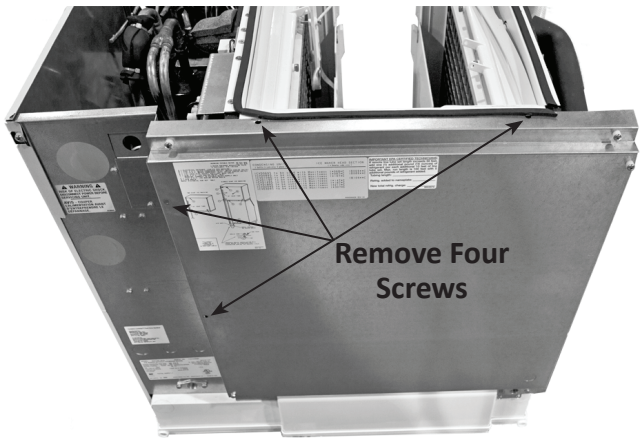
5. Attach LuminIce® assembly to corner post with two screws.



6. Refer to picture and install LuminIce® hoses.

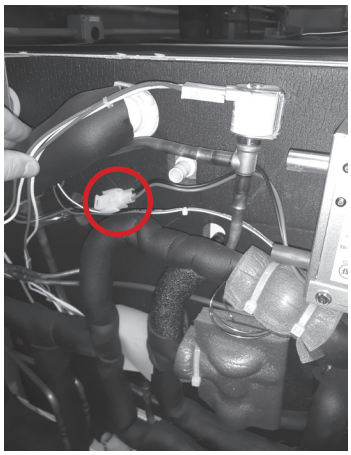


7. Remove four screws from the back panel to allow access for low voltage wire routing.

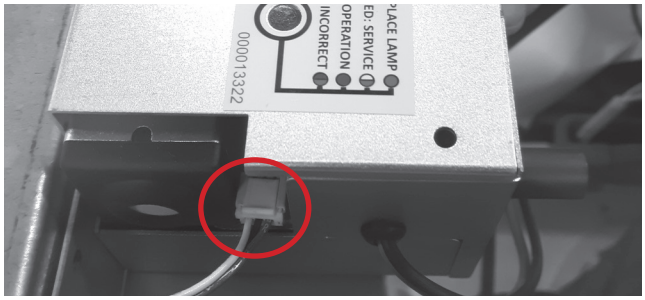


8. Route the wires behind the receiver and next to the evaporator bulkhead to the rear of the ice machine.

- Route the wires between the back panel and the evaporator bulkhead.
- Route the wire harness along the evaporator bulkhead to the LuminIce® device.
- Connect the LuminIce® power cable to the wire harness using the molex connector.

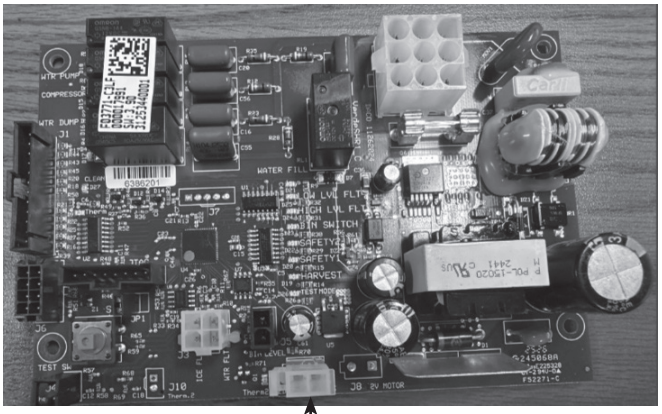


- Connect the status wire to the LuminIce® device terminal.



- Reinstall back panel and four screws.

9. Route the low voltage wires from the control box to the LuminIce module.
10. Plug the LuminIce® connector into the control board and route the low voltage wire harness through the control box Heyco fitting.



LuminIce® Connector



11. Test run the ice machine and LuminIce®. A noticeable draft will be emitted from the upper hose adapter during operation.

NOTE: The ice machine control board will automatically recognize the LuminIce® II. A 12 month bulb change reminder is set and a LuminIce® II icon is added to the touchscreen.

- A blue icon is shown for normal operation
- A red icon is shown when bulb replacement is required.
- An icon flashing red/blue indicates an incorrect bulb is installed.

K00465 Ice Beverage (IB) Single Evaporator Model Installation

COMPONENT PARTS INCLUDED IN THE KIT:

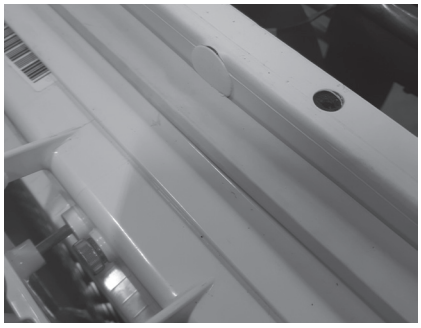
Description	Qty
LuminIce II Assembly	**1**
Evaporator Dust Cover – 48 Inch	**1**
IB Unit LuminIce Large Mounting Bracket	**1**
Two Evaporator LuminIce Small Mouting Bracket	**1**
Long Bulkhead Fitting	**1**
Short Bulkhead Fitting	**1**
Tube LuminIce 24”	**2**
Tubing Clamp Snap	**2**
Snap Bushing	**1**
Adhesive Wire Clip	**1**
Self-Tapping Flat Head 10-24, 1/2” Long Screw	**4**
Self-Tapping Hex Head 10-24, 5/16” Long Screw	**2**
Self-Tapping Hex Head 10-24, 1/2” Long Screw	**2**
LuminIce Label	**1**
LuminIce Shield Decal	**1**
LuminIce Low Voltage Harness	**1**
White Silicone - 3 ounces	**1**

DANGER

Disconnect electric power to the ice machine at the electric switch box before proceeding. Failure to disconnect the power at the main power supply disconnect could result in serious injury or death. The power switch DOES NOT disconnect all incoming power.

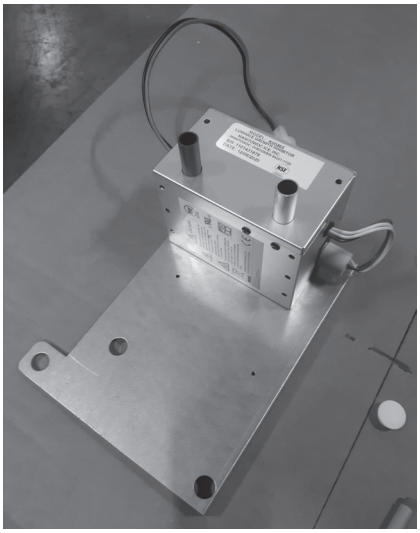
1. Disconnect all power to the ice machine at the electrical disconnect.
2. Removing plastic caps.

- Remove and discard plastic caps from the top and bottom to low installation of the tubing adapters. DO NOT INSTALL ADAPTERS YET.

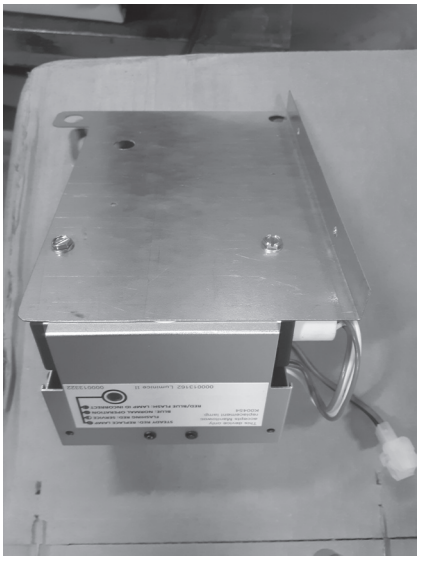


- Insert the snap bushing in the top hole (bottom hole does not require a snap bushing).

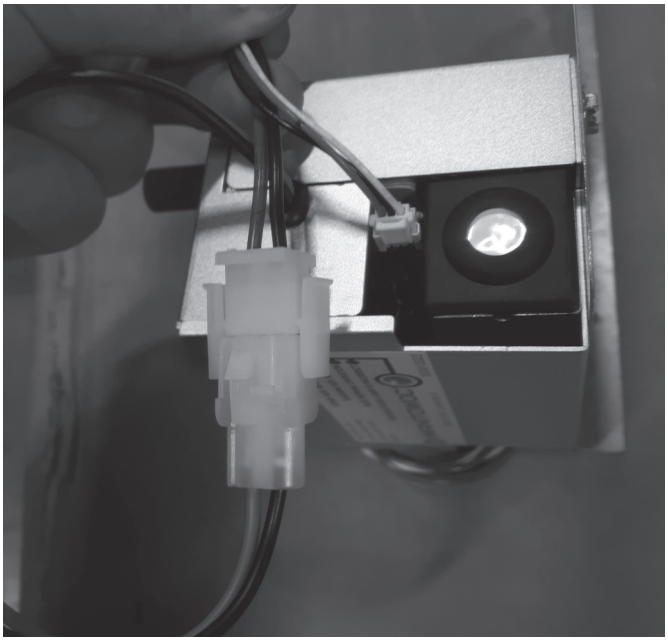
3. Mount the LuminIce® to the bracket.



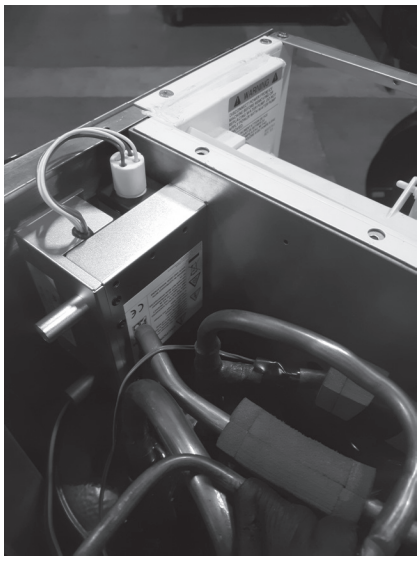
- Mount the LuminIce® device to the opposite side of the large mounting bracket lip.



- Before mounting on the machine, connect the LuminIce® power cable and status wire to the LuminIce® device terminal.



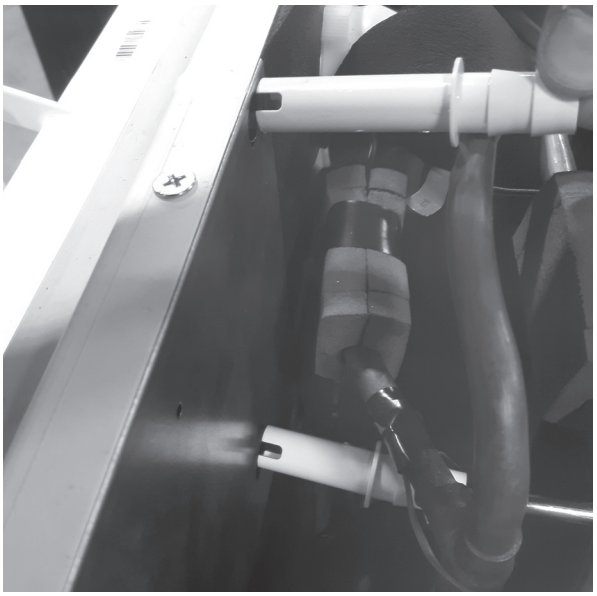
- Slide the bracket lip between the top rail and insulation when mounting.



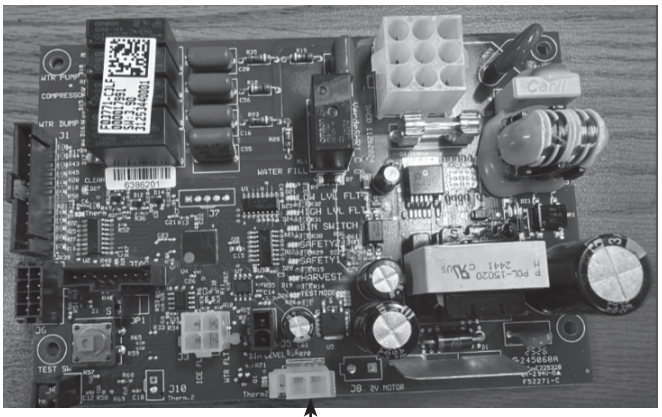
- Secure the lip of the bracket to the top rail of the ice machine using the supplied screws.
- The Luminice bulb and bulb wiring must face up to allow bulb replacement with the LuminIce® in place.

4. Inserting the Bulkhead fittings

- Once the bracket is mounted and secured, Install the longer fitting into the upper evaporator hole in the bulkhead.
- Install the shorter fitting into the lower evaporator hole bulkhead.
- Apply silicone to the bulkhead fittings as needed.



5. Route the low voltage harness from the LuminIce® device along the evaporator bulkhead to the control box and connect to the control board.



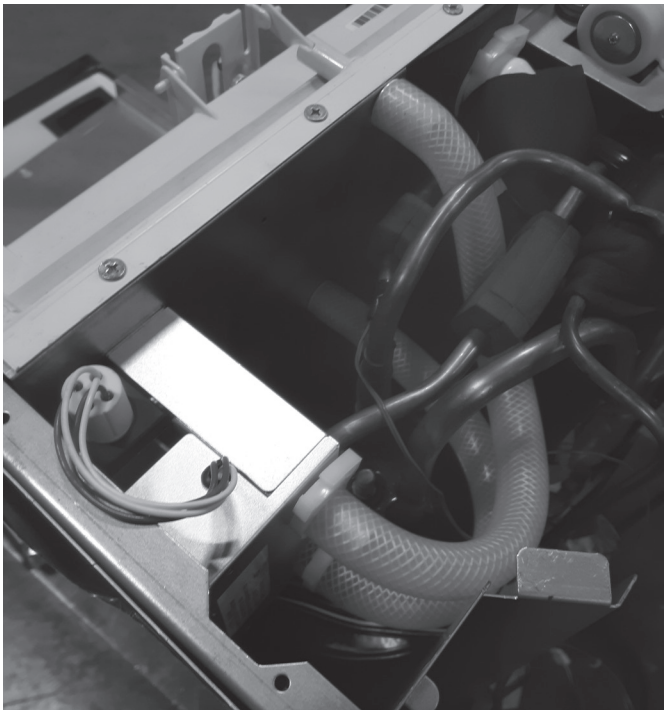
LuminIce® Connector

- Bundle and secure any excess low voltage wires on the back of the bulkhead or in the control box.

6. Cut the LuminIce® hose to length and attach:

NOTE: The upper bulkhead adapter connects to the upper connector on the LuminIce® and the lower bulkhead adapter connects to the lower LuminIce® connector.

- Insert tubing onto the lower bulkhead adapter and dry fit to establish length, then cut to fit. Attach to LuminIce® and secure with snap clamp.
- Insert tubing onto the upper bulkhead adapter and dry fit to establish length, then cut to fit. Attach to LuminIce® and secure with snap clamp.



7. Install all panels except the front panel.
8. Test run the ice machine and LuminIce®. A noticeable draft will be emitted from the upper hose adapter during operation.

NOTE: The ice machine control board will automatically recognize the LuminIce® II. A 12 month bulb change reminder is set and a LuminIce® II icon is added to the touchscreen.

- A blue icon is shown for normal operation
- A red icon is shown when bulb replacement is required.
- An icon flashing red/blue indicates an incorrect bulb is installed.