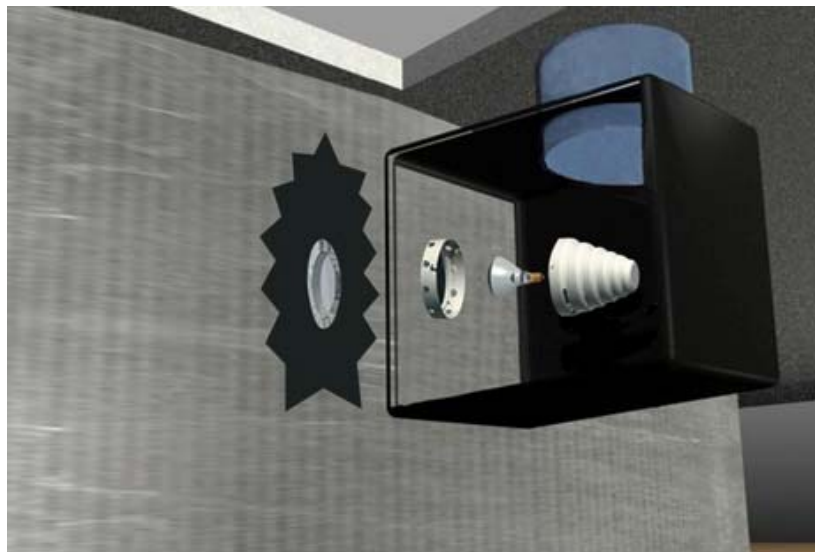




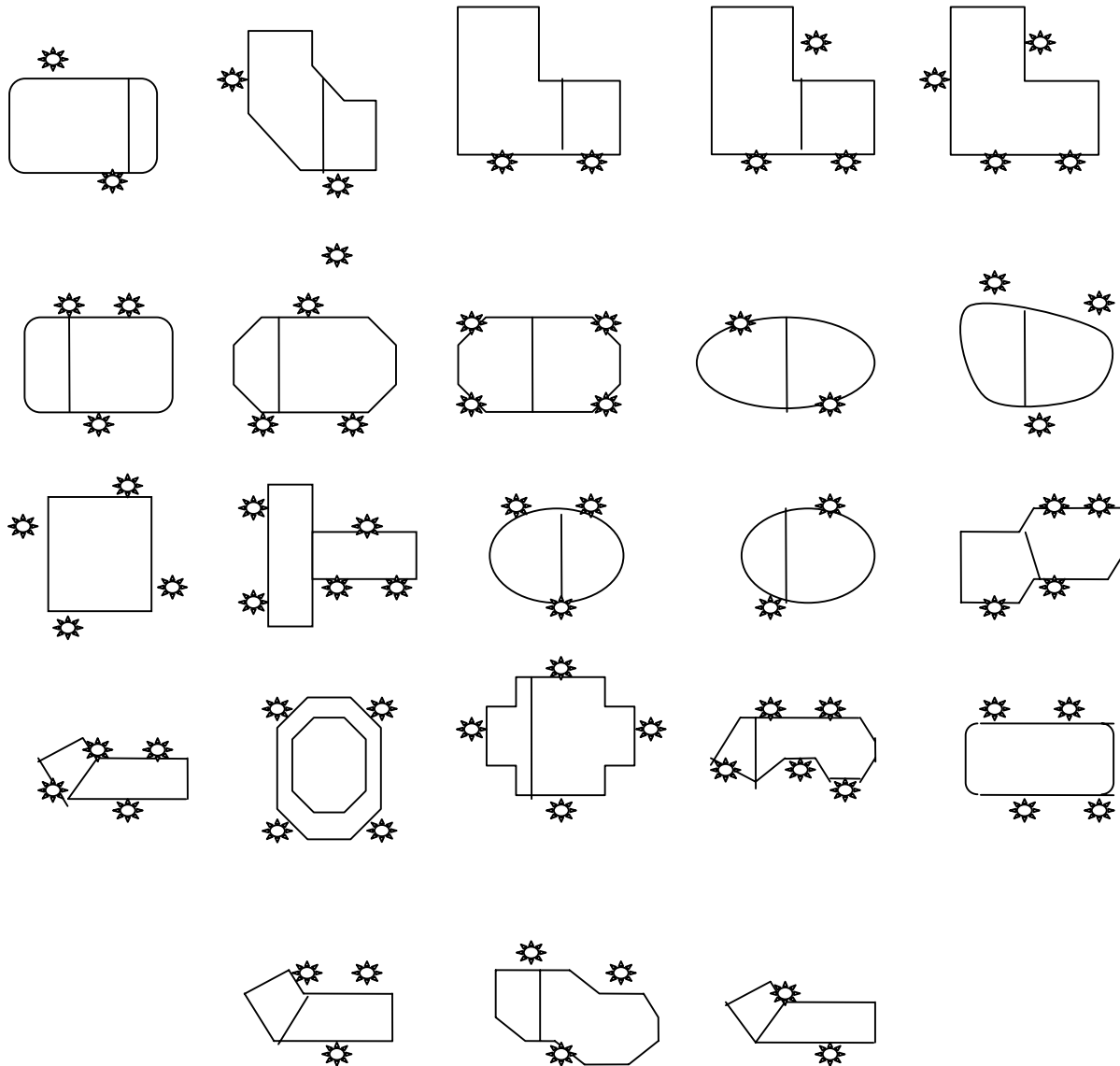
www.lumi-o.com

*INSTALLATION INSTRUCTION (U.S.A)
FOR LUMI-O DRY NICHE INGROUND LIGHT.
STANDARD & L.E.D.*



STEP 1- Position of light

- ❖ Find the best position for the lights to get the maximum lighting all around the pool knowing that it will light-up in "V". You must consider that the porthole lid (lens) needs to be installed on a flat surface.
- ❖ To fully enjoy your lighting system, avoid installing the dry niche under the slide, diving board or on a curved wall



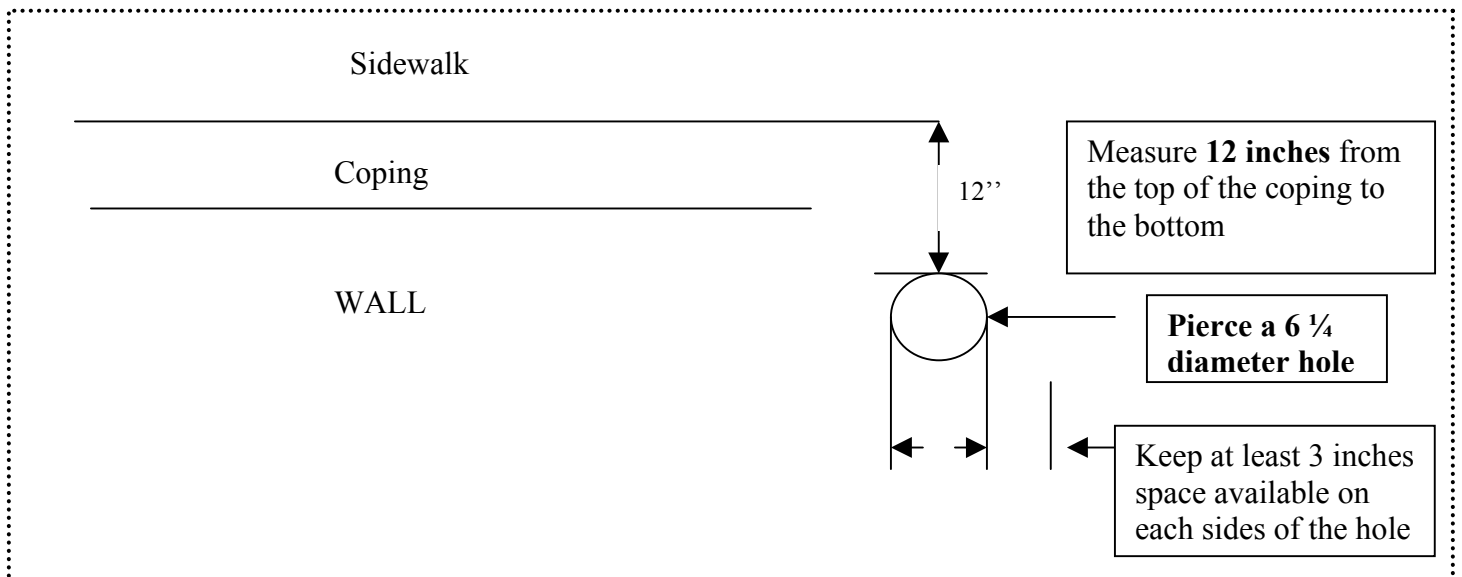
STEP 2- Wall piercing for the porthole lid

- When the walls are up, measure 12`` from the top of the wall and mark the top of the porthole.

- Using the Lumi-O piercing template tool, pierce a hole of 6 ¼". (See image below)
- Inspect the hole edges carefully and smooth out nicely and cleanly by removing all metal flakes around the hole.
- Insert the porthole lid to test the size of the hole.
- Place tape over the hole. This is done to prevent the liner from bulging through the wall while filling-up the pool.



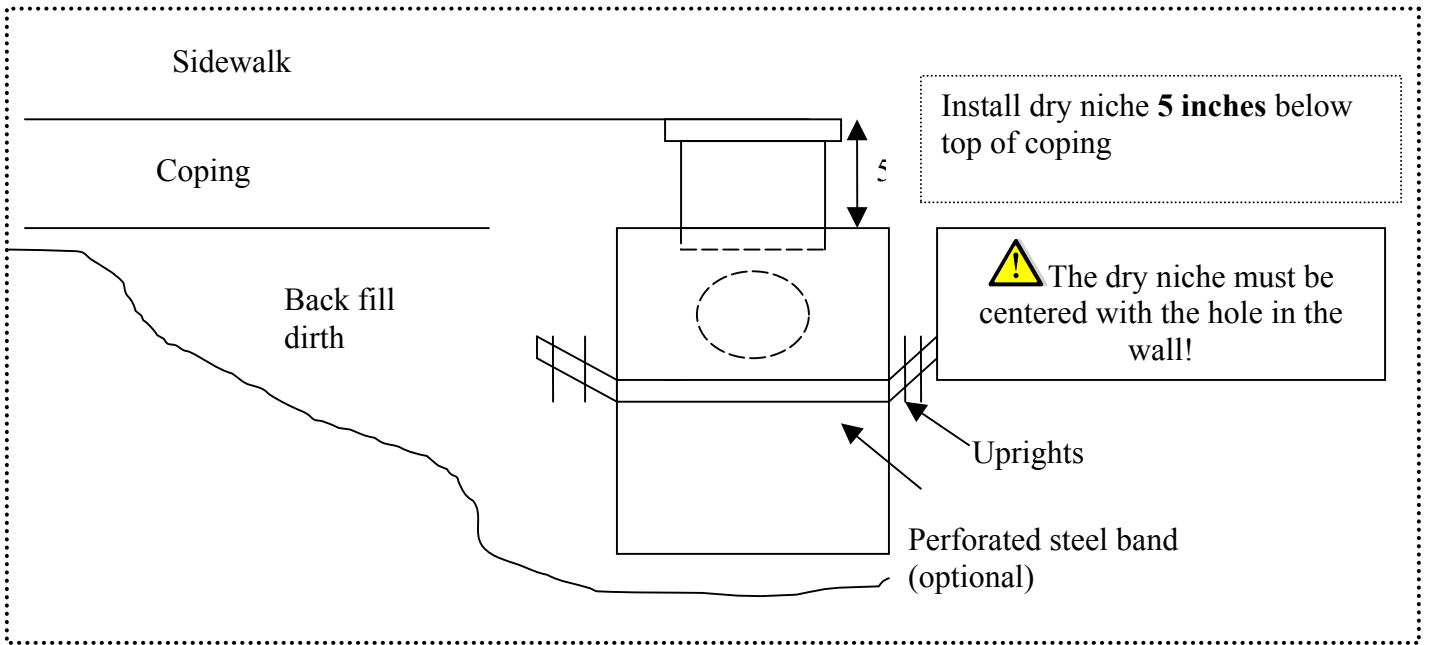
For metal walls
For fiber glass walls



ONCE **STEP 2** IS COMPLETED, THE LINER IS THEN INSTALLED.

STEP 3- Dry niche installation

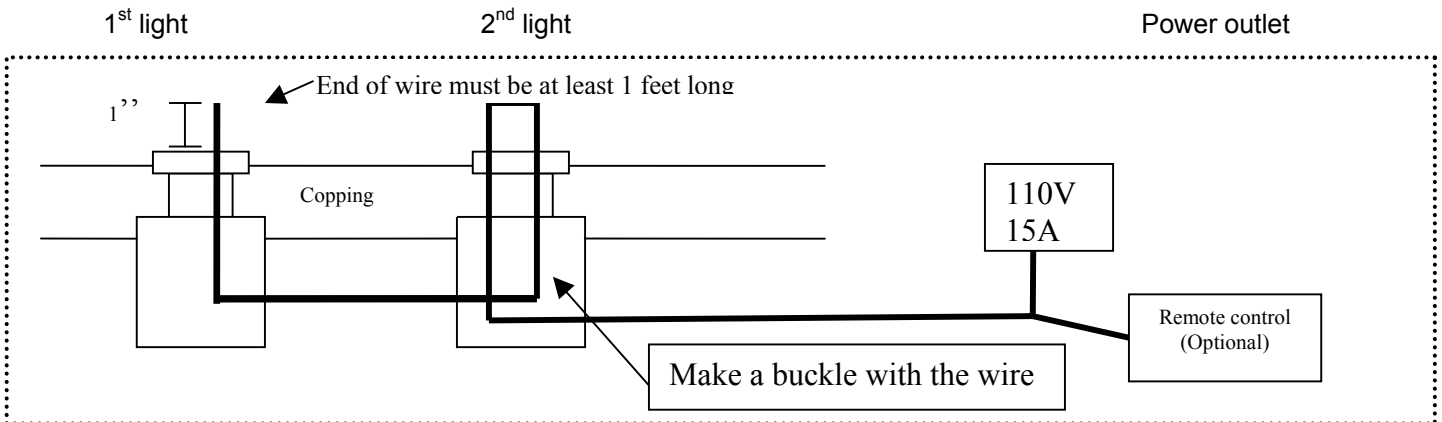
- While the pool is being filled-up, the dry niches (large black housing box) are placed on the back-fill around the pool and placed against the wall. (See image)



STEP 4 – Wiring

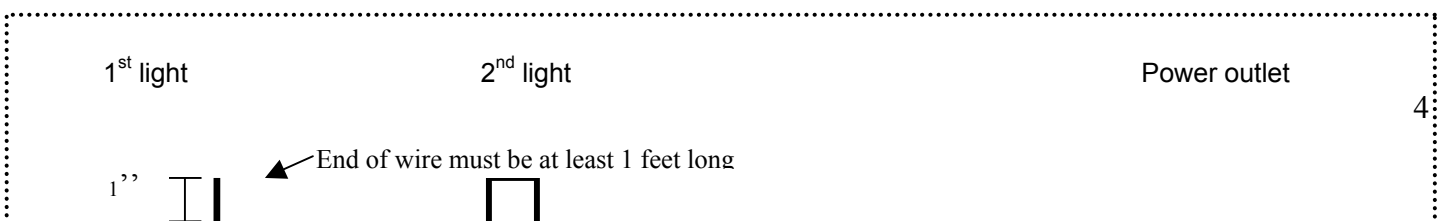
- Run all necessary electrical conduits between niches and to power supply. The electrical work can be done after the pool is completed. If so, the electricians will need to cut trenches for the conduits.
- Place the adjustable covers (access tube) on each niche so they can be levelled off when the concrete around the pool is done.

For standard Lumi-O light(s):



Important : Put wiring NMW 2/14 into a PVC pipe when wiring thru concrete and leave 24 inches of wire inside each dry niche.

For LUMI-LED light(s):



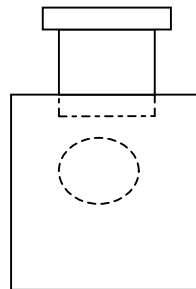
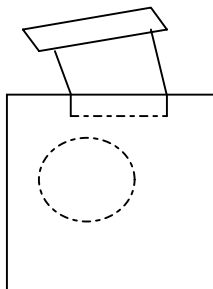


Transformer
12 Volt
Input 110V
Output 12V

STEP 5 -Last check up

Before pouring concrete for sidewalk make sure:

- ❖ The dry niche is centered with the hole in the wall.
- ❖ The top of the access tubes are leveled and at the height needed.
- ❖ That there is wiring in each dry niche.
- ❖ To prevent staining, wash the access tube and cover once the concrete is dry.



Step 6 -Installation of the PORTHOLE LID

IMPORTANT: Liner must be installed and pool full of water before the installation of the porthole lid.

You will need:

Tooling





Pliers

Utility knife

Phillips Screw Driver

Drill with a 15/64 bit

Clear 33S Silicone Sealant

Lumi-O parts

Lid, Retaining ring, Light fixture and bulb or LED light.

Once you have all you need near you and that your pool is full of water:

Note: If the light is installed prior to pool being completely filled, make sure that the water level is at least within a couple of inches of the light cut-out before you cut the liner.

- Clean the liner all around the hole.
- Apply a light coat of silicone 1 inch from the edge of the lid.
- With one hand, bring the lid above the porthole and press firmly into place against the liner. Then cut the liner with a sharp utility knife from the inside of the niche. The lid is then pushed in place through the wall.
- Take the retaining ring and tighten it to the lid following the **TOP indication**. (*Remember the light has reversed threads.*)
Note: The vents on the light fixture may be located up, down, left, right or anywhere in-between. Do not be concerned with the position they end up at.
- Take off excess of silicone from inside the pool. *Tips: use the liner circle that you just cut.*
- For standard light: Install the light bulb in the light fixture.
- Install the light fixture OR LED light into position and secure with the wing nut.
- Connect the wire in the junction box.
- Install the junction box in the upper part of dry niche.
- Install the Dry niche access cover.
- Turn on lighting system and verify all lights.

Notes:

Conduit only comes to outside of the large housing box – Conduit not required by National Electrical to be from light fixture to junction box inside large housing box.

If the electrical work is being done prior to the completion of the pool then the electrical connections are made now inside the junction box provided with the system.

Note: Conduit not used between light fixture and junction box.

How to winterize?

Standard Lumi-O lights

- Remove the light bulbs and keep them in a dry place.
- Put the light fixture in a plastic bag with the opening touching the ground.
- To help prevent corrosion apply electrical lubricant on the light socket.

LUMI-LED lights

- Unplug each LED light and store in a dry and heated place

? F.A.Q. ?

One of the lights does not open when the power is on:

- Try the light bulb in another light fixture (for standard light).
- With a screwdriver lift the small metal piece at the bottom of the socket and reinstall the light bulb.
- Check voltage inside socket. It may be too low.
- If you have a remote control, try to connect the lights directly in outlet. Remote control may be defective.

WARNINGS

1. This Lumi-O lighting system is made for swimming pools only. Do not install in hot tubs or whirlpools.
2. Never connect more than 1500 watts or 4 LED lights maximum.
3. Always turn off power before removing the light bulb.
4. Unplug or turn-off the light switches before changing the light bulb.
5. Conduit is not required inside the large housing box from the light fixture to junction box.

For any questions do not hesitate to contact us at 1-866-99LUMI-O

THANK YOU FOR CHOOSING LUMI-O FOR YOUR POOL LIGHTING.