



SlabLiteTM

Quick-Start Reference

August 2012

Thank you for purchasing TylerCo's SlabLite™ Panels

SlabLite™ Panels are the ultimate solution to back-lighting stones like onyx, solid surface translucent materials for countertops and other back lighting challenges. This energy efficient product is waterproof, durable and provides consistent even lighting for many surfaces with an expected life of 20 years.

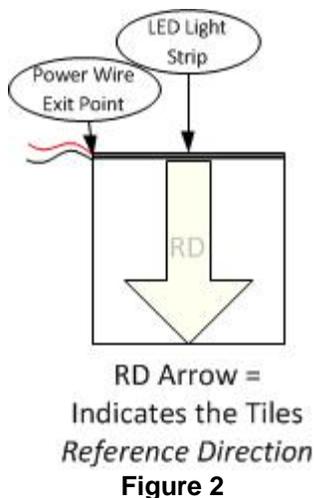
SlabLite™ Tile Specifications:

- Dimensions 12.0" x 12.0" X 0.375"
- Voltage 12VDC
- Power 1.92 watts per panel
- Draw .16 amps per panel @ 12VDC



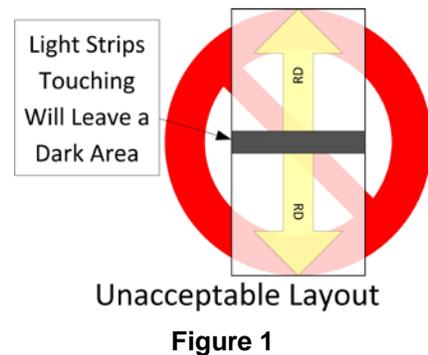
Working With SlabLite™ Panel

The Reference Direction (RD) refers to the location of the LED light strip to the panels orientation. The flow of light from the LED light strip determines the correct orientation of the panel.



Panels should be installed right next to each other with no gaps to avoided shadows.

Do not install two panels with light strips touching as this will result in a dark unlit strip where the panels meet.



Cutting SlabLite™ Panels

SlabLite™ panels can be cut to work around shapes like sinks curved countertops. Panels should be cut on one of the 3 - sides away from the "Light-Strip" whenever possible. Contact TylerCo Inc if your layout requires the Light-Strip to be cut.

Figure 3 below illustrates safe cuts or acceptable cuts to the panel in the left and center diagrams and an unacceptable cut on the far right. It is recommended that you layout your panels so it is not necessary to cut the Light-Strip edge if possible.

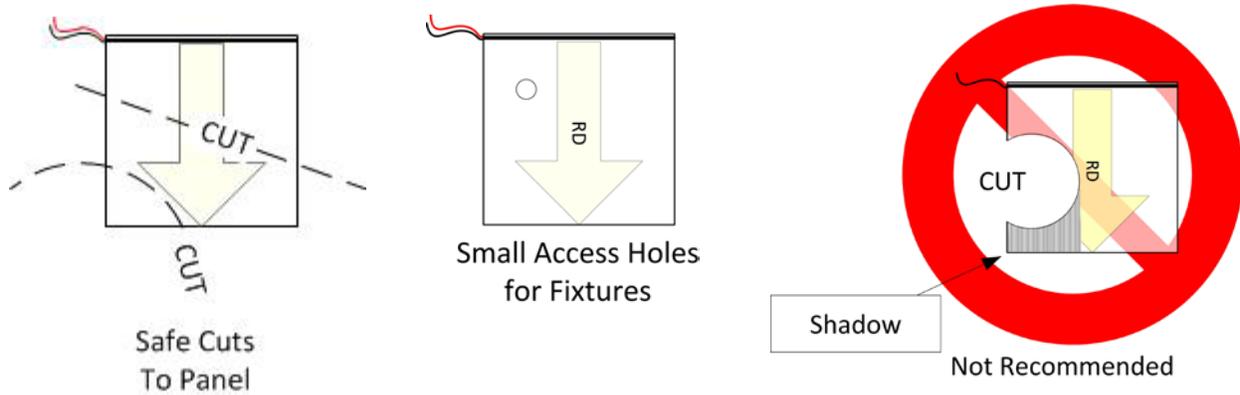


Figure 3

SlabLite™ Tile Layout

Figure 4 shows a typical layout with a return on each side. Red dots indicate wire location on each tile. For more information on **sample layouts** see our website.

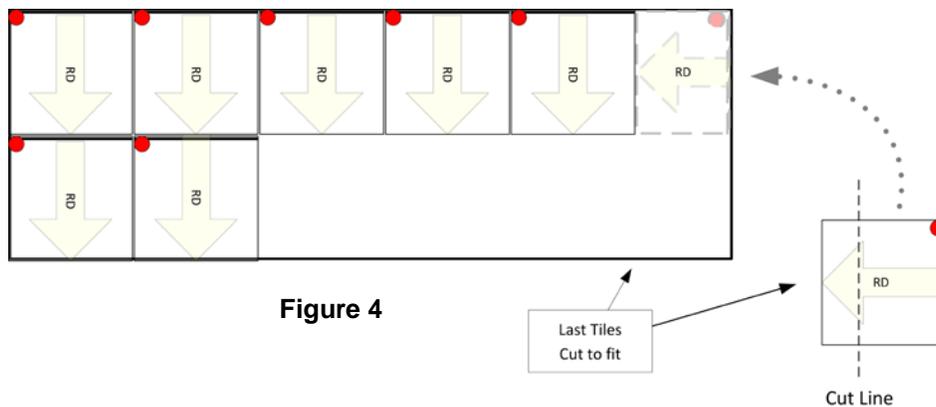


Figure 4

Cut Channels for wire and connections.

A paddle bit may be used to create a larger pocket in the substrate to conceal the wire and connectors at each panel location.

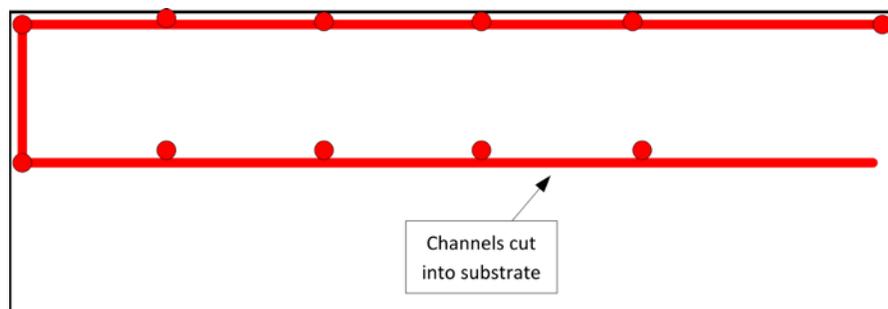


Figure 5

Substrate and Cabinet Considerations

SlabLite™ panels require a clean firm and solid surface to be adhered too. The SlabLite™ panels are fitted much like 12 X 12 ceramic panels while paying attention to the reference direction.

Electrical Requirements

TylerCo's SlabLite™ panels require 12VDC to power the proprietary LED Light Strip. Proper protection of the DC Circuit is important to insure the life of the panels. A 60 Watt LED driver (power supply) is recommended for up to 24 Panels. Calculate proper fuse size based on .16 amps per panel @ 12VDC.

A typical power plan might look like the diagram below.

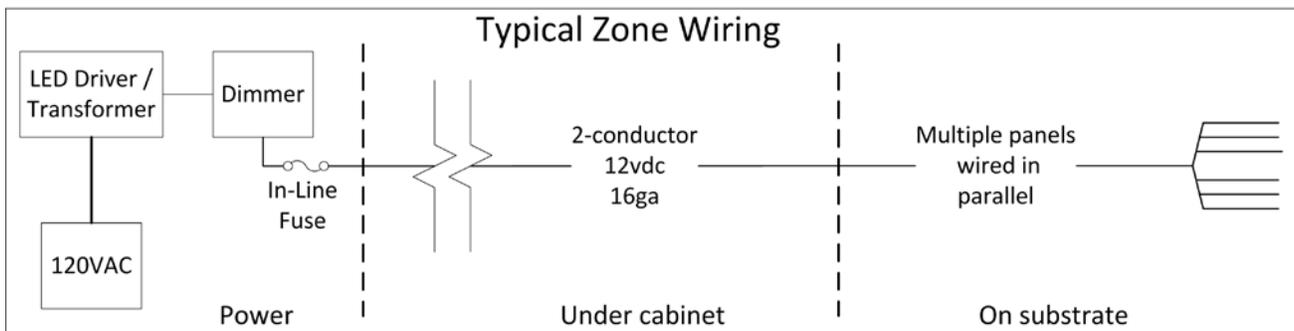


Figure 6

Wiring

SlabLite™ panels are to be wired in parallel. Wiring may be completed with 18AWG stranded or solid copper. Insulation Displacement Connections (IDC) like 3M's Scotchlok, wire nuts or insulated soldered joints may be used.

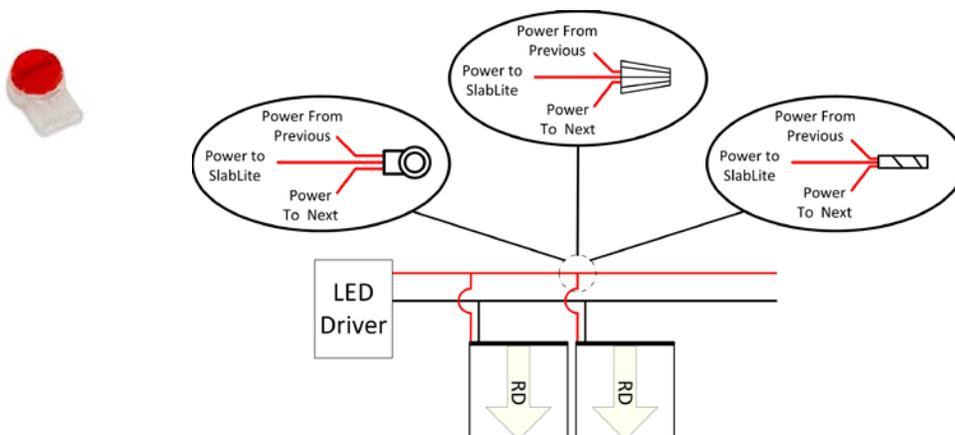


Figure 7

Setting / Wiring Panels

Once the layout is decided upon its time to wire, test and adhere the panels to the substrate.



Figure 8
12VDC to substrate



Figure 9
Connector / wires secured with hot glue



Figure 10
Panel tested, glued in place



Figure 11
Fixture and sink cutouts



Figure 12
Installed counter SlabLite panels

Counter Top Surface

Caution is advised during the placement of the countertop. TylerCo recommends the use of DAP DYNAFLEX 230 **CLEAR** sealant to adhere the counter top to the panels.

It is important to keep the SlabLite™ panels lit during the installation of the counter top surface to insure no connections are disrupted or panels are damaged during the installation.