



SALVIN I-PANELS

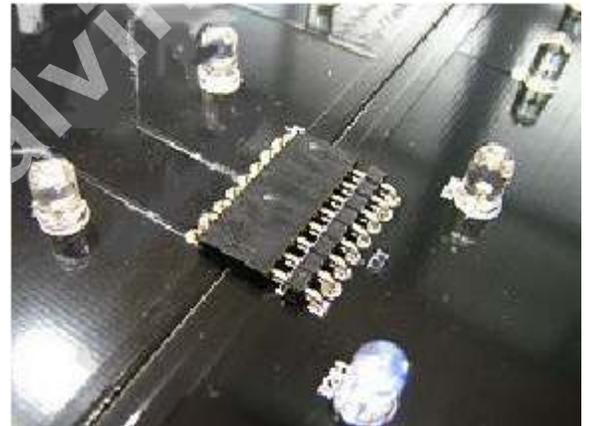
Interactive LED panels are giant circuit boards filled superbright LEDs that respond in a complex, subtle, and gentle fashion to stimulus provided by human interaction. They can be used as interactive art on your wall, or tucked under glass to make your own Interactive LED Coffee Table. The best way to get the idea is to watch a video and see how the panels behave.

(The LEDs in our panels are normally dim and constant-- the most you'll see in a dark room is a faint glow of twinkling like the night sky. But when you set your glass down on an interactive table, the table "sees" the motion, and induces a slight ripple starting in that location that can spread out to other areas as it dissipates. The overall effect is a bit like touching a pool of water, in that your local disturbance turns into an overall gentle rippling, and eventually settles down. There is not any blinking, programmed oscillations, or for that matter, any digital electronics at all-- the circuitry is completely analog for improved aesthetics and reduced eyestrain.

The panels work well under clear or frosted glass or plastic surfaces, and work in light conditions from darkness to sunlight.

New Design

Our new circuit board panels are black, 12" x 12" (~ 30.5 cm) square, with 80 superbright white LEDs arranged on a regular grid. Each circuit board panel has four motion sensor nodes, each of which controls 20 of the LEDs. So, a 6-panel setup covers six square feet of area (1x6 or 2x3), has 24 sensors and 480 LEDs, while an 8-panel version has 32 sensor nodes and 640 LEDs. We have also added new plug-in plug-out connectors to each board edge making it easy to reconfigure the panels in any rectangular arrangement.



I-Panels are essentially stand-alone devices. They require power to be provided but no computer or other external control is needed. Neighboring panels that are seamlessly connected together through their edge connectors can share power and communications between sensor nodes.

Our standard power supplies can provide power to up to 12 panels. Larger numbers of panels can also be connected together if you wish to build a larger display; instructions on how to do this ship with the panels. You mount these panels on a wall, in a coffee table, or on facing sides of a hallway, for an interesting art project.

About our power supplies

The power supplies are compact and energy efficient (Energy Star Level IV compliant) laptop-grade 24 V DC adapters. Our "Large" power supply (actually quite compact) powers from 1-12 panels. It accepts US or international AC power. Outside of US/Canada, this power supply ships without an AC line cord: international customers will need to supply a local line cord for the power supply, which accepts an IEC C7 ("Figure 8") cord.

If you are providing your own power source, it should be 24 V DC, well-regulated and capable of supplying at least 200 mA per panel. Do not power more than 12 panels from a single power supply; the inter-panel connections are designed for 2.5 A maximum.

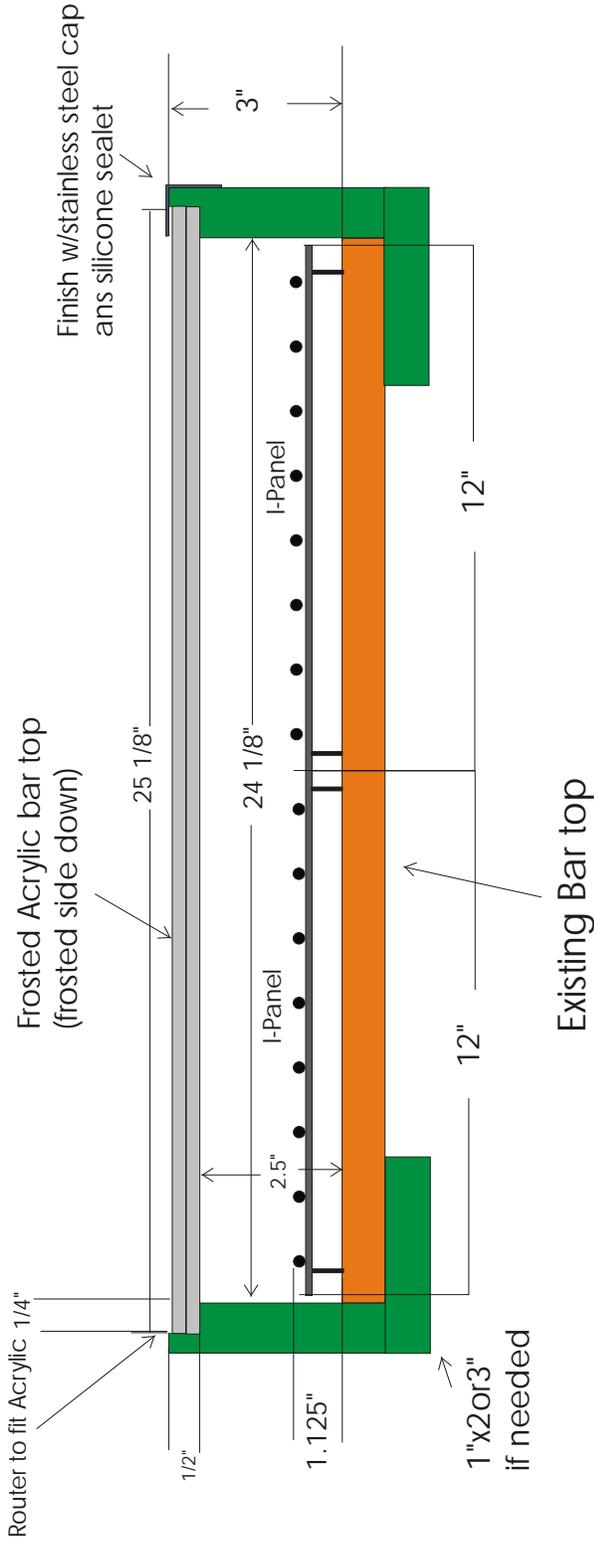
Power consumption

Our panels are energy efficient and typically use 1 W or less in the steady state-- under 8 W for a full 8-panel table top. (Most of this power is used to operate the sensor network.) At maximum amplitude when heavily stimulated, power consumption can reach as high as 5 W per panel, or 40 W for an 8-panel set.

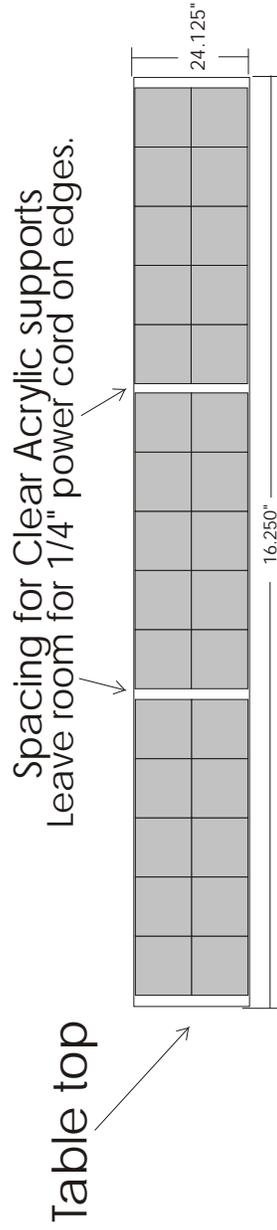


I-Panel for Floor, Wall or Table Top

Side View



Top View



I-Panel Lay Out on bar top

Notes

Salesperson:

Salvin Project Manager: **Vincent Conigliaro**

Client Contact:

Sales Order Number:

Project Number:

File Name:

Drawn by: **Vincent Conigliaro**

Date:

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SALVIN

308-B Route 28, Kingston, New York 12401
 Phone: 845-340-0489 Fax: 845-334-9618
 www.salvin.biz

Project:

Drawing Title:

**I-Panel
 Under Lament**

Drawing #:

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Project:

Drawing Title:

I-Panel Dimensions

Drawing #:

