



RSP Inc.
Global Supply Partner

Light Guide Film (LGF)

*A Creative, Cost-Effective
Lighting Solution*



Why use Light Guide Film?



Make an ordinary
switch extraordinary

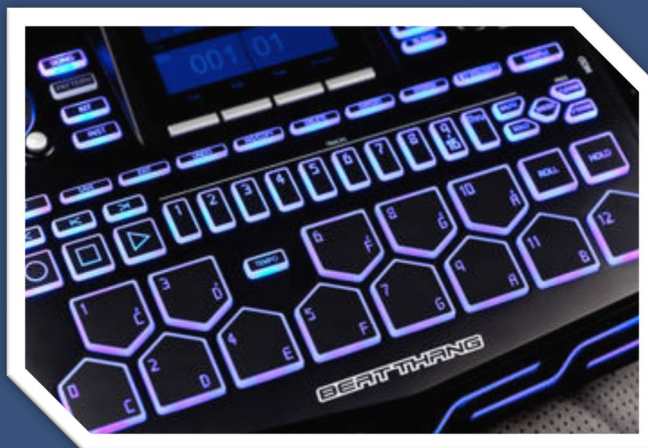
with user friendly
lighting!

You can even create
'movement' with light!



Choose from fully illuminated, soft
lighting, or icon lighting only! Flexible
design options.

LGF technology is very flexible in its uses, but also offers a cost-effective method to traditional LED methods of backlighting.



How it Works:

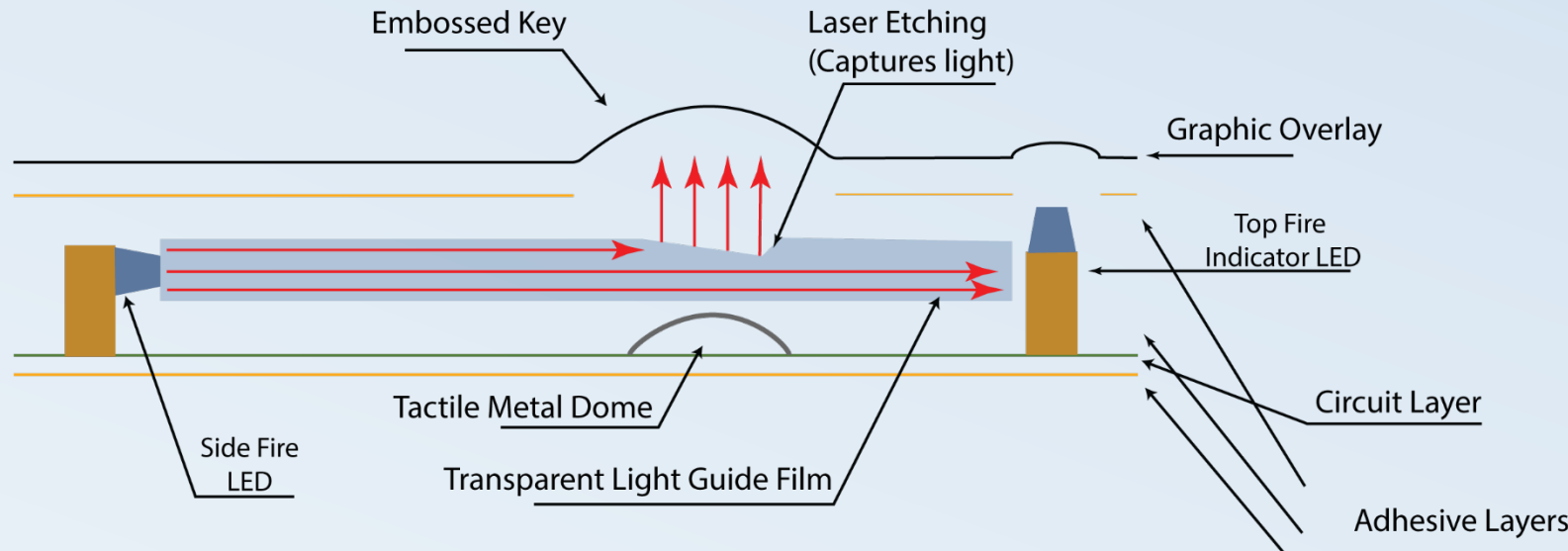
Step x Step

Step 1: Laser etch and remove material from a thin plastic Light Guide Film (grey layer below). Etching at varying depths allows for all items to be lit by the same LED.

Step 2: Light from an LED is shot sideways (side-fire LED) into the thickness of the Light Guide Film.

Step 3: Light travels down the length of the film until it hits a pocket of laser etched material. At this point, light is trapped in the laser etching, illuminating the pocket of removed material. Light not trapped by the first etching continues traveling to the next laser etching, which will be at a lower depth in the film.

Step 4: This process continues until all pockets are illuminated.



Possibilities



- Illuminate logos, fine print, symbols, borders, etc. without light creep.



- Illuminate multiple shapes and symbols with one single LED.



- Fix the technology into any surface that has room for one small side-fire LED.

Why use Light Guide Film?

- More **flexible** than traditional LED or EL lamp methods
 - More **customizable** – anything you can etch, you can light
 - Fit into **thinner, smaller** places
 - **Cost Effective & Minimal Tooling Costs**
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Why RSP, Inc.?



- RSP is a manufacturing partner invested in your success!
- RSP can help develop and bring your idea to market.

RSP is an end-to-end solution provider offering plastic molding, silicone molding, PCBA, metal fabrication, packaging and more!!!!



Contact Us!

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