



# Custom Solutions

## Custom Light Pipe Design Capabilities

Whether you're looking to optimize an existing product design or launch a new one in the most efficient way possible, VCC offers a full suite of custom design capabilities to help you meet or surpass your goals.

Even the smallest design tweaks, such as migrating from a touch button to a push button have consequences when it comes to light pipe output. Our team can customize a solution based on your unique electrical, optical and mechanical specifications while keeping your financial requirements in mind, too.



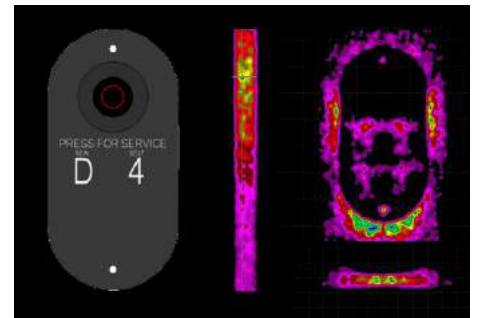
### Custom PCA Production

Our custom printed circuit assembly (PCA) designs do more than optimize indication and light output – they do it in the most efficient and effective ways possible. We provide solutions that solve design challenges while minimizing production and assembly costs.



### 3D Printing & Prototyping

At VCC, we use a state-of-the-art 3D printer to produce design prototypes in-house, passing time and cost savings to our customers. Our advanced processes and equipment help us deliver your ideal illuminated indication solution – lightning fast.



### Light Modeling & Simulation

Our team conducts thorough optical light simulations that lead to optimal human-machine interaction, driving better outcomes for both manufacturers and end users. Through advanced light modeling software, we run multiple tests until we design the ideal illumination properties and solution for your product.



We can provide design assistance with an understanding of your needs

- + SMT assembly
- + Light modeling design services
- + Customized cable harnesses
- + Mechanical, electrical and optical changes
- + Conformance with UL, cUL, CE, RoHS, REACH, and WEEE regulatory requirements NEMA and IP Rating performance



01.

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