



Design Services

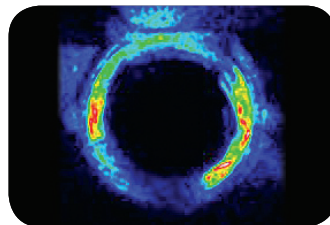
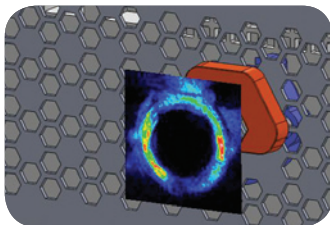
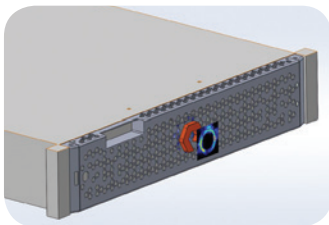
for Medical & Diagnostic Equipment

For more than forty years, VCC has been a trusted partner in high-reliability medical and diagnostic systems design helping OEMs solve challenging applications involving the delivery of light. From the simple to more complex human machine interface systems, VCC provides engineering experience and world-class manufacturing facilities that meet the stringent requirements of medical certifications to help companies communicate better with light.

LED Light Pipes | Secondary Optics | Displays | Panel Assemblies
Clinical/Laboratory Analysis Equipment • Medication Delivery Systems • Diagnostic Equipment • Patient Monitoring Systems • Home Healthcare Products

Light Modeling Services

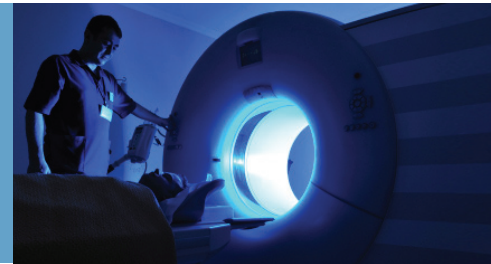
As part of our advanced design services, VCC utilizes light modeling and human vision simulation to provide a complete analysis of all photometric and colorimetric characteristics of any product design. By combining cross section, contrast, iso-curves, spectral and chromaticity coordinates for analysis, we can consider the optical properties of surfaces, materials, and light sources using actual data on light intensity, uniformity, contrast, propagation and distribution. We are able to predict the behavior of light and identify potential hot spots resulting in the design that produces the best performance for equipment used in critical applications. With this modeling, we verify compliance with standards and specifications, and optimize the output performance, efficiency and appearance of the HMIS lighting – all before any tooling metal is cut.



Key Benefits of VCC Light Modeling

- Minimize up-front design time and costs
- Check compliance with legislation and standards
- Optimize performance, efficiency and appearance
- Accurately predict stray light, hot-spots and uniformity
- Analyze surface contribution
- Simulate and analyze photometric and illumination properties

Contact VCC to optimize the performance of your next indication or illumination design.
800.522.5546 | designservices@vcc-lite.com



Engage with VCC

Benefits to Design Engineers

- Optimize design performance
- Create the most cost-effective solution
- Faster prototype to production
- Keep program development on schedule
- Shorter time to market

Benefits of Voice-of-Customer Initiatives

- VCC engineering expertise with best-in-class customer service
- 3-D models, prototyping and testing
- Lean manufacturing, fast turnaround
- Analysis of current production processes with cost-effective solutions
- Product launch support
- Lifecycle partnerships from concept through product fulfillment

Visual Communications Company, LLC, based in Poway, California, is the largest manufacturer of innovative LED light pipe, LED, incandescent, neon, and specialty indicator light solutions for global markets including aerospace, medical, automotive, transportation, safety, and industrial. VCC brings 40+ years of experience in LED indication design, engineering, manufacturing, and light modeling design services to change the way human machine interface systems use indication to communicate better with light.

ISO 9001:2008 Certified
ISO 14001:2004 Certified

Visual Communications Company, LLC

12780 Danielson Court
Poway, CA 92064 USA
858.386.5666

vcc-lite.com