

# Harsh Environments

Ruggedized meets reliable in VCC's comprehensive product lineup

Dirt. Vibration. Moisture. Sweat. And yes, even electric shock. Our innovative products are built to withstand whatever the job demands, day in and day out. And they do it without sacrificing reliability or safety.

At VCC, we understand that optimal viewing angle isn't a nice-to-have when there's work to be done in harsh environments. So our products do more than look the part. From EMI protection to watertight seals, our products are built for some of the toughest working conditions out there.

Whether you need a standardized or custom design, we'll deliver the ideal solution along with heavy-duty efficiencies in production, assembly and manufacturing costs.

## APPLICATIONS

No matter the application, VCC offers industrial-strength solutions:



- Food Warming Equipment
- Countertop Ovens & Boiling
- Insulated Hot Cabinet Equipment
- Weight Indicators Equipment
- Food Bagger Equipment



- Welding and Drilling Machines
- Aircraft Diesel Generators
- Power Generator Controllers
- Commercial Ozone Generator
- Solar Panel Control Box

## PRODUCTS

### PMIs built to take whatever you dish out

Whether you need wire leads, tabbed terminals or screw-post indicators, your control panel will be foolproof when it comes to keeping out moisture, or dirt with IP-rated products ranging from IP65 to IP67. Our products are bred for long, hard life with high visibility, day or night.

#### PCL22 SERIES

22 mm / 0.88"  
LED Pilot Light  
Diffused Translucent Lens  
12 VDC, 24VDC  
Rated IP65



#### CNX722 SERIES

22 mm / 0.88"  
Ruggedized LED Indicator  
Flex Voltage: 5V to 28V, 120VAC  
Direct Sunlight Visibility  
Rated IP67



#### CNX\_482 SERIES

10.16 mm / 0.39"  
High-Intensity LED Indicator  
3VDC Voltage  
Vibration-Resistant  
Rated IP66



#### PML50 SERIES

17.5 mm / 0.69"  
Unique Optical Low-Profile Lens  
Flex Voltage: 5V to 28V  
Vibration-Resistant  
Rated IP67



#### CNX714 SERIES

14 mm / 0.55"  
Ruggedized LED Indicator  
Flex Voltage: 5V to 28V, 120VAC  
Direct Sunlight Visibility  
Rated IP67



### Light pipes that line up for daily abuse

Whether you need linear or flexible light pipes, VCC has the solution that delivers watertight indication without compromising quality or visibility. These products are threaded, sealed and ready to provide years of reliable indication in the harshest applications.

#### LSS SERIES

4.34 mm / 0.171"  
180° View Angle  
w/ Retainer Ring  
Low-Profile  
Sealed Light Pipe



#### LMS SERIES

7.14 mm / 0.281"  
180° View Angle  
w/Retainer Ring  
Low-Profile



#### LCS SERIES

7.92 mm / 0.312"  
180° View Angle  
w/Lockwasher & Retainer Nut  
Threaded Moisture-Sealed Light Pipe



#### FLX\_322 SERIES

7.1 mm / 0.28"  
Fiber Optic  
w/ Fresnel Lens  
Seal & Retainer Ring



#### FLX\_44X SERIES

7.9 mm / 0.31"  
Fiber Optic  
w/ Lens  
Threaded Seal, Lock Washer  
& Retainer Ring



#### FLXR SERIES

10.1 mm / 0.40"  
Fiber Optic  
NEMA4 Threaded w/ Seal  
Lock Washer, & Retainer Ring



### Panel lenses designed to shine when the going gets tough

When the stakes are high, VCC's panel lenses step up with watertight construction to help eliminate electrostatic discharge. Various lens types deliver optimal daylight visibility and viewing angle. Mounting hardware is included to ensure the indicators stay put (and dry) in high-vibration situations.

#### HMS\_462 SERIES

PLC Lens 10mm 0.562"  
Watertight EPDM Seal  
Moisture-Sealed Fresnel Lens  
Lock Washer & Retainer Ring



#### CMS\_442 SERIES

PLC Lens 5mm 0.312"  
Watertight EPDM Seal  
Moisture-Sealed Fresnel Lens  
Lock Washer & Retainer Ring



#### CMS\_444 SERIES

PLC Lens 5mm 0.312"  
Moisture-Sealed Lens  
Watertight EPDM Seal  
Lock Washer & Retainer Ring

