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## VCC Introduces Ruggedized TuffLED<sup>TM</sup> Panel Mount Indicator Series

Resistant to Shock, Vibration, & Moisture, VCC's New CNX 722 Series TuffLED<sup>TM</sup> Indicators Facilitate Safety in Broad Range of Harsh Environment Applications

POWAY, CA (May 6, 2013) — VCC, the largest manufacturer of indication solutions for OEM and retrofit applications, including LED, neon, and incandescent indicators, and LED light pipes, has developed a new series of ruggedized panel mount indicators designed for use in a variety of harsh environments. Featuring built-in LEDs, which are visible both in direct sunlight and at wide angles, VCC's 22mm CNX 722 Series TuffLED<sup>TM</sup> indicators are resistant to shock, vibration, and moisture, and are RoHS compliant. The series also features several connection options, which facilitate fast, easy installation in extreme and outdoor applications, including: control cabinets, instrument panels, military and aircraft equipment, disinfection and sterilization environments, transportation dashboards, switch stations, outdoor signage, industrial machinery, and vending and gaming machines.

"Harsh environment applications require the highest quality, most ruggedized components," said Mark Baker, Director of Business Development of VCC. "In many of these applications, indicators are tasked with communicating the potential for danger both quickly and accurately, so features designed to facilitate quick installation and replacement and to ensure broad visibility, like those in our new series, are of the utmost importance."

VCC's CNX 722 Series TuffLED™ indicators are available in clear or color-coordinated polycarbonate, as well as in a glowing polycarbonate-acrylic blend. The series' built-in LEDs are available in red, yellow, green, blue, and white, and may be used in 5, 12, or 24 VDC

circuits. Additionally, optional bezels, which provide a smooth, cosmetic finish, are available in black, red, yellow, green, blue, white, aluminum, brushed aluminum, and chrome.

Featuring fast pitch threads and special nut assemblies that enable quick installation by requiring only a single turn with one's fingers or a 1" hex tool, VCC's TuffLED<sup>TM</sup> indicators are available in three termination styles: screw block, quick disconnect solder terminals, and wire lead. The ruggedized indicators are also moisture-sealed to IP67/NEMA 6P, rated for use between -40°C to 80°C, can withstand current up to 20mA, and can accommodate panel thicknesses of up to 7.6mm and mounting holes ranging from 21.7 - 23.1mm.

To access the CNX 722 Series TuffLED<sup>TM</sup> datasheet, please visit <a href="http://vcclite.com/documents/CNX722.pdf">http://vcclite.com/documents/CNX722.pdf</a>. For more information about VCC and its products, please visit <a href="https://www.vcclite.com">www.vcclite.com</a>.

## **About VCC**

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 combines 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. Learn more at <a href="https://www.vcclite.com">www.vcclite.com</a>.