Fortel Traffic’s VCalm®S is a powerful traffic calming sign, leveraging trusted VCalm® components embedded within a MUTCD-compliant retroreflective regulatory sign.

**Brightest Display:**
VCalm® utilizes high-volume high-intensity tightly clustered LEDs to maintain the highest visibility possible. This proven method of authoritative message presentation demands driver’s attention, making it the most effective traffic calming sign on the market.

**Lowest Power Consumption:**
VCalm® uses proprietary PWMS™ LED technology that consumes 50% less power than common LED technology. Our programming delivers exceptional autonomy for solar/battery installations.

**Strongest Construction:**
VCalm® maintains superior construction and durability with high quality components and no moving parts. The design meets the NEMA-3R specifications, and many of the VCalm® signs have withstood severe conditions, including hurricanes, fires, and extreme temperatures. VCalm® has consistently proven to be the longest lasting speed sign in the industry.

**Unrivaled Versatility**
- Multiple independently-scheduled vehicle speed thresholds can trigger any variation of messages and/or auxiliary devices: strobes, flashers, sirens, beacons, wireless alerts, etc.

**Simplest Programming:**
- SD Card provides practically limitless data storage space (40 years of data per gigabyte) and makes programming and data retrieval simple and affordable. (SDHC compatible)
- Modems, coupled with our automated online software, provide remote access to sign programming so changes can be made instantly.
- VSpeed™Online is the ultimate management software that gives the ability to program signs, simulate functionality, analyze data, and deploy configuration changes through remote access or SD cards.

**Easy and Accurate Reporting:**
- Traffic Data Acquisition System (TDAS) collects the fastest and slowest speed for each vehicle.
- Accurate raw data collected by VCalm® can be used to construct limitless report formats and parameters for thorough data analysis.

**Dimensions:**
- Overall: 24”(W) x 30”(H) x 3.625”(D)
- Numerals: 12”(H)

**Weight:**
- Less than 30 lbs

**Optional:**
- Wireless Modem
- Bluetooth
- Wireless Alert System
- Automatic Dimming
- Strobe, Flashers, Sirens
- GPS Clock
- Solar Package
- Engineering or Diamond-grade retroreflectivity

Now programmable via mobile!
Fortel Traffic’s VCalm®S is a powerful traffic calming sign, leveraging trusted VCalm® components embedded within a MUTCD-compliant retroreflective regulatory sign.

**Brightest Display:**
VCalm® utilizes high-volume high-intensity tightly clustered LEDs to maintain the highest visibility possible. This proven method of authoritative message presentation demands driver’s attention, making it the most effective traffic calming sign on the market.

**Lowest Power Consumption:**
VCalm® uses proprietary PWMS™ LED technology that consumes 50% less power than common LED technology. Our programming delivers exceptional autonomy for solar/battery installations.

**Strongest Construction:**
VCalm® maintains superior construction and durability with high quality components and no moving parts. The design meets the NEMA-3R specifications, and many of the VCalm® signs have withstood severe conditions, including hurricanes, fires, and extreme temperatures. VCalm® has consistently proven to be the longest lasting speed sign in the industry.

**Unrivaled Versatility**
- Multiple independently-scheduled vehicle speed thresholds can trigger any variation of messages and/or auxiliary devices: strobes, flashers, sirens, beacons, wireless alerts, etc.

**Simplest Programming:**
- SD Card provides practically limitless data storage space (40 years of data per gigabyte) and makes programming and data retrieval simple and affordable. (SDHC compatible)
- Modems, coupled with our automated online software, provide remote access to sign programming so changes can be made instantly.
- VSpeed™Online is the ultimate management software that gives the ability to program signs, simulate functionality, analyze data, and deploy configuration changes through remote access or SD cards.

**Easy and Accurate Reporting:**
- Traffic Data Acquisition System (TDAS) collects the fastest and slowest speed for each vehicle.
- Accurate raw data collected by VCalm® can be used to construct limitless report formats and parameters for thorough data analysis.

---

**Dimensions:**
- Overall: 30”(W) x 36”(H) x 3.625”(D)
- Numerals: 16”(H)
- Lens: 3/8”
- Polycarbonate lens
- Paint: powder-coated black, white, or orange

**Weight:**
- Less than 32 lbs

**Optional:**
- Wireless Modem
- Bluetooth
- Wireless Alert System
- Automatic Dimming
- Strobe, Flashers, Sirens
- GPS Clock
- Solar Package
- Engineering or Diamond-grade retroreflectivity

---

Now programmable via mobile!
Fortel Traffic’s VCalm®S is a powerful traffic calming sign, leveraging trusted VCalm® components embedded within a MUTCD-compliant retroreflective regulatory sign.

**Brightest Display:**
VCalm® utilizes high-volume high-intensity tightly clustered LEDs to maintain the highest visibility possible. This proven method of authoritative message presentation demands driver’s attention, making it the most effective traffic calming sign on the market.

**Lowest Power Consumption:**
VCalm® uses proprietary PWMS™ LED technology that consumes 50% less power than common LED technology. Our programming delivers exceptional autonomy for solar/battery installations.

**Strongest Construction:**
VCalm® maintains superior construction and durability with high quality components and no moving parts. The design meets the NEMA-3R specifications, and many of the VCalm® signs have withstood severe conditions, including hurricanes, fires, and extreme temperatures. VCalm® has consistently proven to be the longest lasting speed sign in the industry.

**Unrivaled Versatility**
- Multiple independently-scheduled vehicle speed thresholds can trigger any variation of messages and/or auxiliary devices: strobes, flashers, sirens, beacons, wireless alerts, etc.

**Simplest Programming:**
- SD Card provides practically limitless data storage space (40 years of data per gigabyte) and makes programming and data retrieval simple and affordable. (SDHC compatible)
- Modems, coupled with our automated online software, provide remote access to sign programming so changes can be made instantly.
- VSpeed™Online is the ultimate management software that gives the ability to program signs, simulate functionality, analyze data, and deploy configuration changes through remote access or SD cards.

**Easy and Accurate Reporting:**
- Traffic Data Acquisition System (TDAS) collects the fastest and slowest speed for each vehicle.
- Accurate raw data collected by VCalm® can be used to construct limitless report formats and parameters for thorough data analysis.

**Dimensions:**
- Overall: 36"(W) x 48"(H) x 3.625"(D)
- Numerals: 18"(H) Amber or White LEDs

**Construction:**
- Enclosure: .090 Gage continuous-formed aluminum
- Lens: 3/8" Polycarbonate lens
- Paint: powder-coated black, white, or orange

**Weight:**
- Less than 36 lbs

**Optional:**
- Wireless Modem
- Bluetooth
- Wireless Alert System
- Automatic Dimming
- Strobe, Flashers, Sirens
- GPS Clock
- Solar Package
- Engineering or Diamond-grade retroreflectivity

Now programmable via mobile!
Fortel Traffic’s VCalm®S is a powerful traffic calming sign, leveraging trusted VCalm® components embedded within a MUTCD-compliant retroreflective regulatory sign.

**BRIGHTEST DISPLAY:**
VCalm® utilizes high-volume high-intensity tightly clustered LEDs to maintain the highest visibility possible. This proven method of authoritative message presentation demands driver’s attention, making it the most effective traffic calming sign on the market.

**LOWEST POWER CONSUMPTION:**
VCalm® uses proprietary PWMS™ LED technology that consumes 50% less power than common LED technology. Our programming delivers exceptional autonomy for solar/battery installations.

**STRONGEST CONSTRUCTION:**
VCalm® maintains superior construction and durability with high quality components and no moving parts. The design meets the NEMA-3R specifications, and many of the VCalm® signs have withstood severe conditions, including hurricanes, fires, and extreme temperatures. VCalm® has consistently proven to be the longest lasting speed sign in the industry.

**UNRIVALED VERSATILITY**
- Multiple independently-scheduled vehicle speed thresholds can trigger any variation of messages and/or auxiliary devices: strobes, flashers, sirens, beacons, wireless alerts, etc.

**SIMPLEST PROGRAMMING:**
- SD Card provides practically limitless data storage space (40 years of data per gigabyte) and makes programming and data retrieval simple and affordable. (SDHC compatible)
- Modems, coupled with our automated online software, provide remote access to sign programming so changes can be made instantly.
- VSpeed™Online is the ultimate management software that gives the ability to program signs, simulate functionality, analyze data, and deploy configuration changes through remote access or SD cards.

**EASY AND ACCURATE REPORTING:**
- Traffic Data Acquisition System (TDAS) collects the fastest and slowest speed for each vehicle.
- Accurate raw data collected by VCalm® can be used to construct limitless report formats and parameters for thorough data analysis.

**Dimensions:**
- Overall: 48”(W) x 60”(H) x 3.625”(D)
- Numerals: 26” (H)
  - Amber or White LEDs

**Weight:**
- Less than 40 lbs

**Optional:**
- Wireless Modem
- Bluetooth
- Wireless Alert System
- Automatic Dimming
- Strobe, Flashers, Sirens
- GPS Clock
- Solar Package
- Engineering or Diamond-grade retroreflectivity

**Now programmable via mobile!**
VCalm® Solar Package
by Fortel Traffic, Inc

The VCalm® Solar Package makes the VCalm® unit completely autonomous. A Solar Package eliminates the need to assume the extra expense of an external power source, making this the most popular of the VCalm® options. In addition, VCalm® uses proprietary PWMS™ LED technology that consumes 50% less power than common LED technology. This ultra low power consumption enables the sign to run all day using only a single small solar panel.

Specifications (Standard Configuration):
• Batteries: (2) 79AH Batteries
• Weight: 53.6lbs
• Operating Temperature: -60°C – 60°C

Solar Panel: 85 Watt
• Dimensions: 46.1" x 21.3"
• Weight: 17lbs
• Cells: 36
• Maximum Voltage: 17.5V
• Maximum Current: 4.9A
• Degradation: 10% (10 years) 20% (20 years)

Solar Controller
• Digital LCD Display
• Low power consumption (24mA)

Options:
• Batteries: (2) 105AH Batteries
• Solar Panel: 123 Watt
• Mounting options
  - Side of pole
  - Top of pole
Optional Items
for VCalm®

VCalm® Optional Equipment
by Fortel Traffic, Inc

The VCalm®’s optional equipment not only makes it the most versatile sign on the market, but also the most useful and effective. The following are popular options available for VCalm®.

**Wireless IP Modem**
Automate data downloads and configuration changes wirelessly and eliminate the need to visit the sign physically using VSpeed™Online
- Connection speeds up to 2.4Mbps
- 3G and 4G cellular options
- Send Instant Amber Alerts
- Automatic sign reporting

**GPS**
Automatically adjusts date and time settings using GPS tracking of sign position. Also allows coordinates to be accessed using IP modem

**Automatic Dimming**
Optimizes the VCalm®’s display visibility by adjusting LED brightness according to ambient light conditions with the photo diode upgrade. Ambient light conditions are also logged to allow accurate diagnosis of solar outages.

**Strobes, Flashers and Sirens**
Force speed reduction by simulating law enforcement flashers, sirens, or photo radar.

**WiFi**
Connect to your sign to an existing Wi-Fi infrastructure network
- WPA Security ready

**Bluetooth**
Connect to your sign wirelessly to upload programs and download data using VSpeed™Mobile for Android smartphones and tablets.
- Up to 300 ft. wireless range
- Send Instant Amber Alerts
- Verify Sign Programming
- Sync sign data with VSpeed™Online using the mobile device’s Internet connection

**Wireless Alert System**
A wireless alert system is ideal for improving the safety of various situations and has up to a 2-mile range (depending on antennae used).
- Alert construction workers of unsafe drivers entering the construction zone.
- Give advanced warning to vehicles when pedestrians are crossing a nearby crosswalk.
- Warn children of unsafe drivers in school zones.

**Ground-level Access**
Adding a Drop-down Box allows for easy access to sign programming without the use of ladders, buckets, or platform trucks.
- 10 ft. of armored, weatherproof flex conduit
- Corrosion-proof, weather-tight Pelican lock box

Copyright© Fortel Traffic, Inc. 2015