

# KAMELION-VSLS VARIABLE SPEED LIMIT SIGN

The Kamelion-VSLS is a variable speed limit sign that changes according to a programmable schedule. The appropriate maximum speed limit can be selected according to a schedule (daily, weekly and annually). The KAM-VSLS is equipped with flashing beacons which activate when the lowest speed is displayed. It is an excellent school zone safety tool to draw attention of the speed limit during school hours.



PEDAGOGICAL TOOL



REDUCE SPEED



FULL MATRIX



**KAMELION**  
Advanced electronic signage





# FEATURES OF THE KAMELION-VSLS VARIABLE SPEED LIMIT SIGN

**Full matrix display**  
Display all speed limits,  
10 to 90 km/h respecting  
standardized drawings.

**Polycarbonate  
Anti-glare window**  
Improve visibility  
and impacts resistant.

**Photocell**  
Adjusts brightness  
automatically.

**Aluminium**  
Light and resistant.  
Installs like a standard  
traffic sign.



**Polyethylene housing**  
Lightweight, for easy  
installation and resistant  
against shocks and vandalism.

**Internal calendar**  
Allow you to alternate  
the speed according to  
the hour, day or month.  
Programmable via Bluetooth.

**Flashing Beacons**  
Activate when the lowest  
speed is displayed.  
Light intensity is adjusted  
with ambient lighting.

## 120-240 VAC Electric cabinet



**Electrical components**  
120-240 VAC converter  
and battery charger.

**12V AGM Battery  
38 AMP for 12 hours**  
Provide electricity  
when power is off.

**Cabinet**  
IP66 metal cabinet  
with a door and hinge.

**Strapping attach**  
The cabinet can be easily  
installed on a lamp pole.



## Kamelion Software



Software is provided free charge with the product.  
These software allow you to;

- Create messages or pictograms
- Create an operating schedule
- Adjust the light intensity parameters

Communication with the VSLS is hardwired or by Bluetooth.





# TECHNICAL SPECIFICATIONS OF THE KAMELION-VSLS VARIABLE SPEED LIMIT SIGN

## 120-240 VAC Electric Cabinet

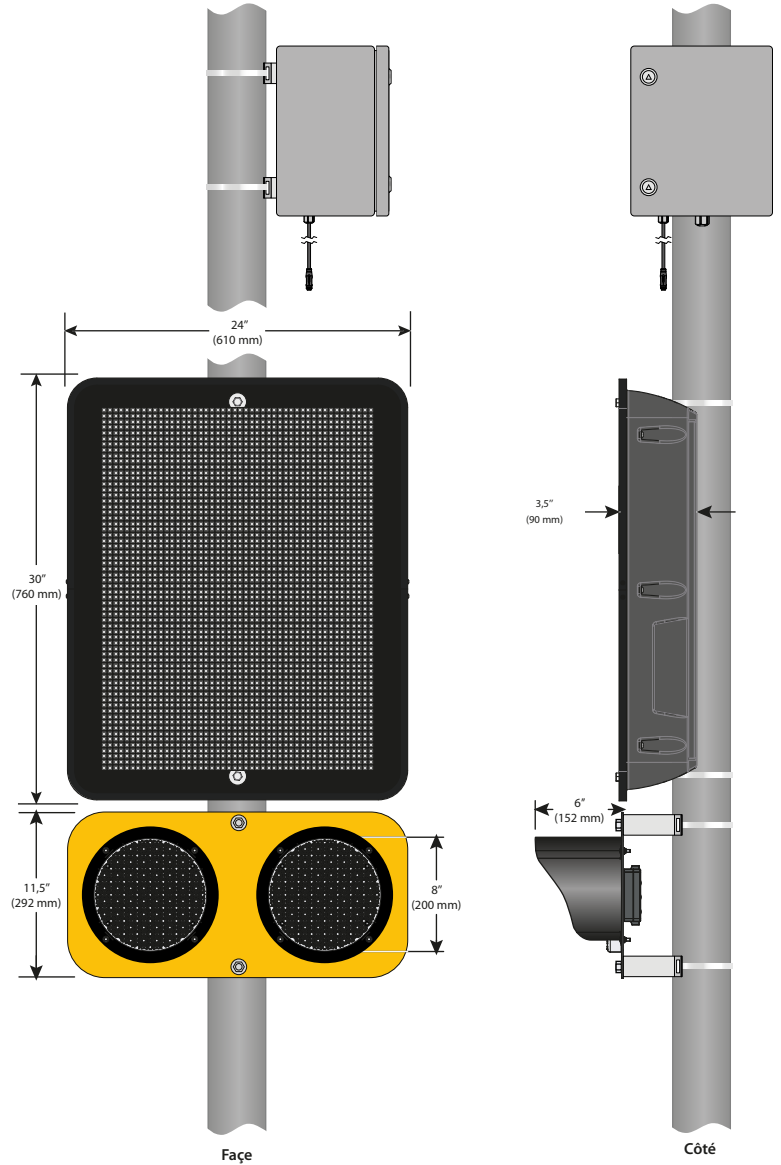
|                       |  |
|-----------------------|--|
| Voltage in            | 120-240 VAC                            |
| Battery               | AGM /12V - 38Ah                        |
| Battery charger       | PWM, 5 A, IP67                         |
| Connector             | 10mm OD, Female, 6", IP67              |
| Cabinet               | Steel Gray Painted, IP66               |
| Cabinet size          | 300 x 250 x 200 mm (11,8 x 9,8 x 7,8") |
| Operating temperature | -40 to + 165°F (-40 to +74°C)          |
| Weight                | 19 kg (42 lb)                          |

## Variable Speed Limit Sign

|                       |                                       |
|-----------------------|---------------------------------------|
| Housing               | Polyethylene (PE) with UV protection  |
| Window                | Polycarbonate .188" (5mm), anti-glare |
| Voltage in            | 10,8 to 15 VDC                        |
| Max. Power @ 12 V     | 188 Watts                             |
| Display Size          | 640 x 480 mm (25 x 19")               |
| Resolution            | 64 x 48 pixels                        |
| LED Angularity        | 50° x 100°                            |
| "MAXIMUM" height      | 80 mm (3,2")                          |
| Digits height         | 370 mm (14,6")                        |
| Led colors            | White                                 |
| Visibility            | More than 200 m                       |
| Auto-dimming          | Variable based on ambient light       |
| Connector             | 10mm OD, Male, 36", IP67              |
| Communication         | Bluetooth, 160' (50m) range           |
| Waterproof rating     | IP54                                  |
| Operating temperature | -40 to + 165°F (-40 to +74°C)         |
| Weight                | 12 kg (26 lb)                         |

## Flashing Beacon (12x24)

|                       |                                     |
|-----------------------|-------------------------------------|
| Beacon Size           | 8 po (200 mm)                       |
| Standard              | ITE VTCSH-STD 2005                  |
| Color                 | Amber 590 nm                        |
| Auto-dimming          | Variable based on ambient light     |
| Voltage in            | 10,8 to 15 VDC                      |
| Max. Power @ 12 V     | 8 Watts                             |
| Communication         | Wireless, 902 MHz                   |
| Connector             | 10mm OD, Male, 6 po, IP67           |
| Flashing pattern      | 0,5 sec, 60 per minute              |
| Activation            | When lowest speed is display        |
| Back Plate            | Aluminium 5052-H38, 0,125 po (3 mm) |
| Reflective Sheeting   | Type IV 3M™ High Intensity          |
| Visor                 | Aluminium, black painted            |
| Lens                  | Clear polycarbonate with anti-glare |
| Waterproof rating     | IP65                                |
| Operating Temperature | -40 to +131°F (-40 à +50°C)         |
| Weight                | 3,7 kg (8 lb)                       |



## Expedition

| Product number | Description   |
|----------------|---|
| #37898         | KAM-VSLS Variable Speed Limit Sign with double 8" (200mm) flashing beacon 12x24 sign                              |
| #38092         | KAM-VSLS Variable Speed Limit Sign with double 8" (200mm) flashing beacon 12x24 sign - with AC/DC Power Converter |

| Box : Dimenson - Weight           | Code HSS |
|-----------------------------------|----------|
| Display : 37 x 28 x 11 in - 38 lb | 8530.90  |
| Beacon : 12 x 24 x 8 in - 20 lb   |          |
| Cabinet : 12 x 12 x 10 in - 45 lb |          |

**Included in kit :** Installation hardware for streetlight pole. Two (2) years Limited Warranty against defects in workmanship and materials.