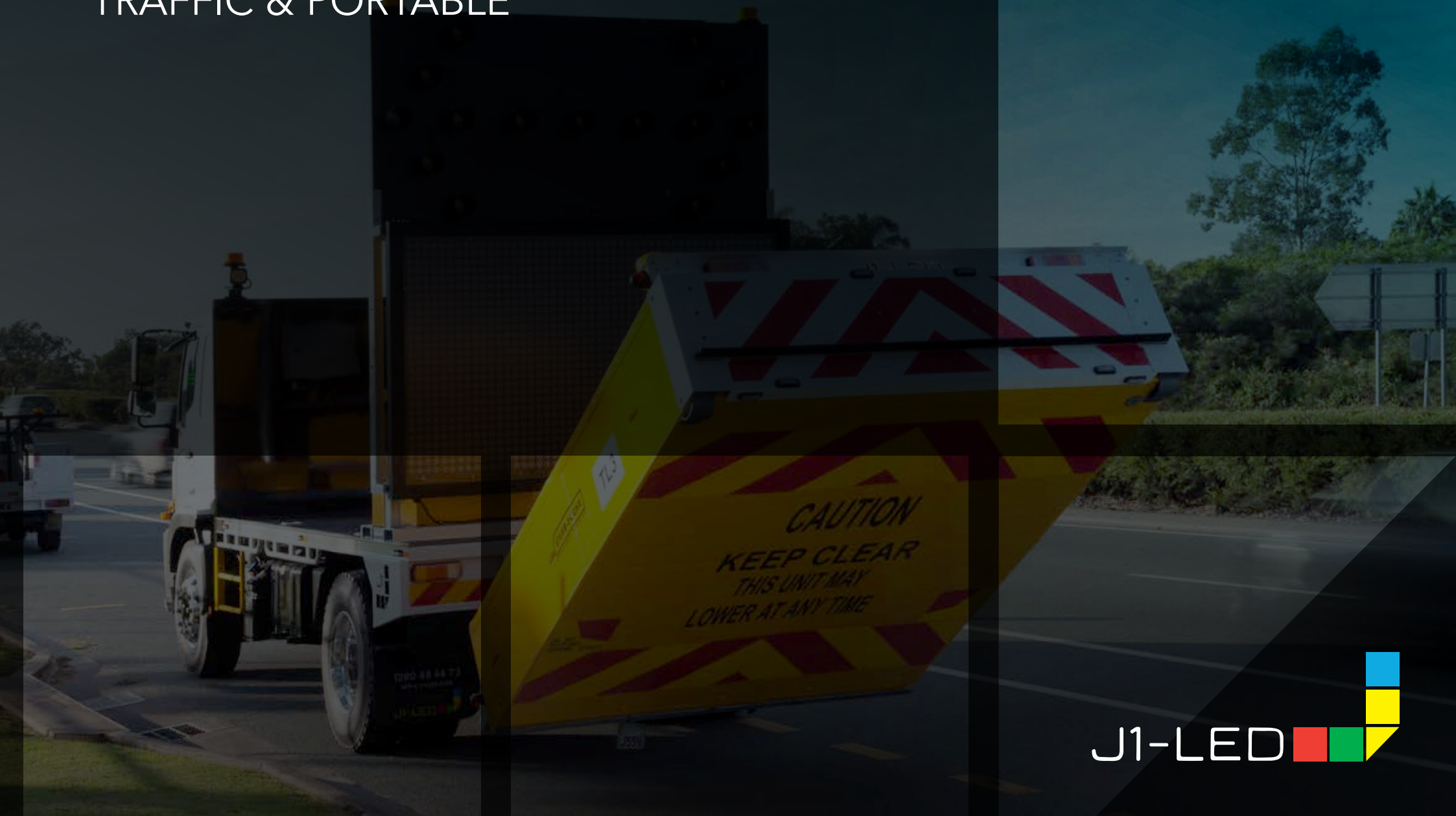


PRODUCT RANGE

TRAFFIC & PORTABLE



KNOW YOUR DESTINATION
ENJOY THE JOURNEY

BOUNDARY ROAD	EXIT 138	3 km	2 min
ANZAC AVENUE	EXIT 133	7 km	7 min
GYMPIE ARTERIAL RD	EXIT 127	13 km	12 min

CONTENTS

Why We're Different!	4
Variable Message Sign (VMS) Trailer	6
Traffic Light Trailer	8
Arrow Board Range	10
Variable Speed Limit Sign (VSLS) Trailer	12
Single Line VMS	14
Speed Advisory Signs	16
Vehicle Mounted VMS	18
Truck Mounted Attenuator	20
Sign Management (ITS HOST)	22
The Last Word	23

WHY WE'RE DIFFERENT!

J1-LED is an Australian owned, market leader in roadside, digital, electronic and LED infrastructure, encompassing fixed, portable, traffic and vehicle mounted products.

We continuously seek out the latest and best in LED technology, and we have the in-house expertise to seamlessly integrate this tech into our products - ensuring J1 remain the leader in quality LED systems and solutions.

OUR BRAND, OUR PRODUCT

- Wholly in-house design, engineering, manufacture, installation & servicing
- We own our designs and do not sub-contract
- Full control of supply chain to source leading componentry from around the world
- Australian manufacture not just assembly

PASSION FOR WHAT WE DO

- In-house optics laboratory for research and testing
- Customised solutions & prototyping
- Innovative designs in product safety and resilience
- Products meet more than 30 national & international standards for the ITS industry
- ISO9001:2008 certified

IT'S ABOUT YOU!

- Solutions for your business, operational and safety needs
- Off-the-shelf as well as cost-effective tailored products
- Servicing & support to ensure no downtime
- Field vehicles & interstate resources for on-site and after hours support
- We support your non-J1 products and update componentry
- On-time delivery & installation



VARIABLE MESSAGE SIGN (VMS) TRAILER

We designed and manufactured our VMS trailer for safe & rapid single person deployment. Transporting the trailer is simple, using a standard vehicle to tow. The unit is built to last, with high corrosion resistance, marine grade aluminium enclosure and Lexan polycarbonate viewing window. All our solar-powered units feature ultra high solar capacity and long run time.

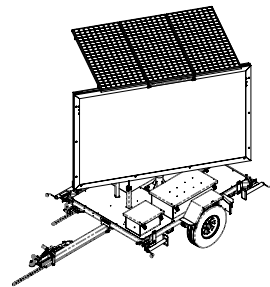
Manufactured in-house, this rugged trailer offers a reliable, low maintenance service life. For ease of management, we also offer web-based control & monitoring. The unit is suitable for extreme wind conditions without need for water ballast or additional anchor points.

OPTIONS TO CUSTOMISE YOUR FLEET INCLUDE

- ✓ 3G remote or satellite communications
- ✓ BlueTrack (real-time traffic information)
- ✓ Can be viewed over CCTV, IP and STREAMS
- ✓ Radar detection kits (speed management)
- ✓ Vehicle activated managed server connectivity
- ✓ Additional solar panel (triple frame)
- ✓ Lock kits and anti-graffiti options
- ✓ High gain antennas



SCAN FOR DEMO



VARIABLE MESSAGE SIGNS (VMS)

	A SIZE	B SIZE	C SIZE
MODEL NO	JL-D-0041	JL-D-0042	JL-D-0043
DISPLAY SIZE (MM)	1620 x 1050	2400 x 1430	2600 x 1625
CHARACTER HEIGHT (MM)	200	320	400
RESOLUTION (PIXELS)	48 x 28	48 x 28	48 x 28
NET WEIGHT (KG)	668	988	1003
PITCH (MM)	28.6	46	50
TOWING SIZE (MM) W x H x L	1790 x 2425 x 2005	1955 x 2855 x 3760	1955 x 2855 x 3760
SETUP SIZE (MM) W x H x L	1965 x 3025 x 2023	3147 x 4670 x 3469	3147 x 4670 x 3469
DIMMING LEVELS	16	16	16
MARINE GRADE ALUMINIUM ENCLOSURE	●	●	●
LEXAN POLYCARBONATE ENCLOSURE WINDOW	●	●	●
INGRESS PROTECTION IP65	●	●	●
30° HORIZONTAL & VERTICAL VIEWING ANGLE	●	●	●
SETUP MECHANISMS	ELECTRIC LINEAR ACTUATOR	HYDRAULIC RAM	HYDRAULIC RAM
	ELECTRIC SOLAR TILT/ROTATE. GAS STRUT ASSISTED ENCLOSURES		
PIXEL CONFIGURATION	5mm AMBER / 5mm RGBAW (PENTA)		
POWER SUPPLY	12vDC, 145W SOLAR, STAND ALONE, 2/3 SOLAR PANELS		
OPERATING TEMP	-10°C TO +70°C		
COMMUNICATIONS	STAND-ALONE REMOTE 3G, REMOTE 3G MANAGED SERVER		
CONTROL SYSTEMS	ONSITE OR REMOTE – LOCAL LAPTOP, STREAMS, ITS HOST		



TRAFFIC LIGHT TRAILER

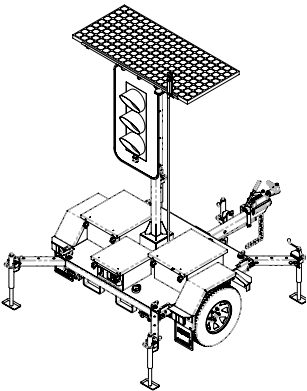
J1-LED's Traffic Light Trailer was designed for rapid & safe single person deployment with electric raise/lower. It features high corrosion resistance and ultra high solar capacity with long run time.

Like all J1-LED products, it offers a reliable, low maintenance service life. The intelligent design includes secure extendable outriggers and 2 up towing with a standard vehicle.

Equipped with a high gain antennae with channel hopping, the trailer can be synchronised with up to 4 units.

OPTIONS TO CUSTOMISE YOUR FLEET INCLUDE

- ✓ 3G remote or satellite communications
- ✓ GPS tracking
- ✓ Anti-graffiti treatments
- ✓ Lock kits
- ✓ Vehicle detection radars to minimise queuing
- ✓ Web-based control & monitoring
- ✓ Four-way shuttle mode



TRAFFIC LIGHT TRAILER

MODEL NO	JL-D-0006
LANTERN SIZE (MM)	200 OR 300, 2 OR 3 ASPECT
NET WEIGHT (KG)	700
TOWING SIZE (MM) W x H x L	1790 x 2425 x 2005
SETUP SIZE (MM) W x H x L	1965 x 3025 x 2023
DIMMING LEVELS	16
MARINE GRADE ALUMINIUM ENCLOSURE	●
INGRESS PROTECTION IP65	●
30° HORIZONTAL & VERTICAL VIEWING ANGLE	●
POWER SUPPLY	12vDC, 145W SOLAR, STAND ALONE, 1 SOLAR PANEL 4 X 120AH-12V BATTERIES
OPERATING TEMP	-10°C TO +70°C
COMMUNICATIONS	STAND-ALONE REMOTE 3G, REMOTE 3G MANAGED SERVER. HIGH GAIN OMNI ANTENNAS, RELIABLE SIGNAL STRENGTH >1.2km
CONTROL SYSTEMS	ONSITE OR REMOTE – LOCAL LAPTOP, LCD, ITS HOST
SETUP MECHANISMS	ELECTRIC LINEAR ACTUATOR



ARROW BOARD RANGE

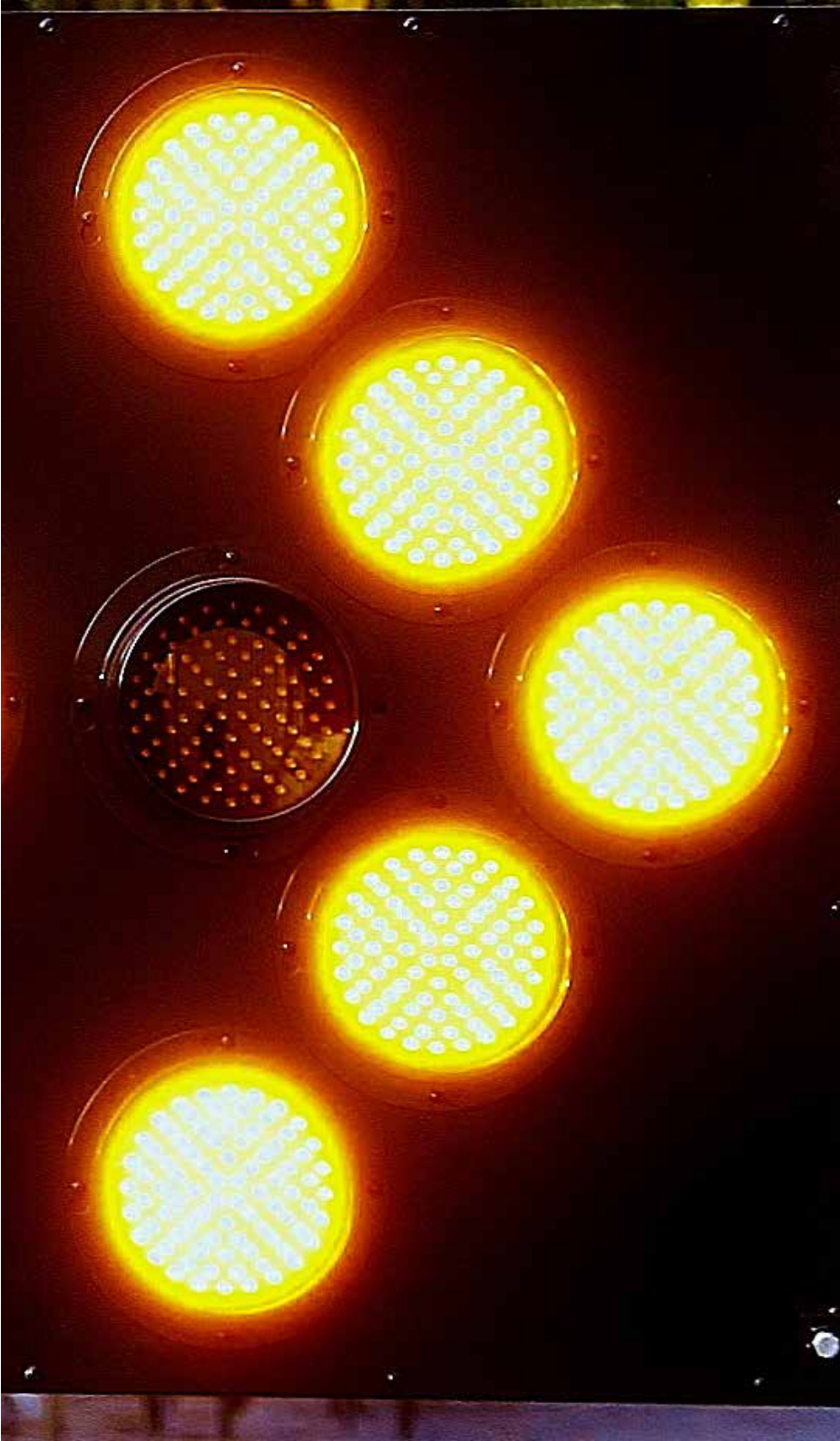
Our arrow boards may be either vehicle or trailer mounted and may be single or double sided. Functions include: left arrow, right arrow, double arrow and non-directional warning with switchable rear lamps.

The newly redesigned trailer boasts ultrahigh solar capacity with long run time, wind region C rating and rapid & safe single person deployment.

Vehicle mounted units may be controlled via a dash-mounted LCD display, rotary dash-mounted switch control or remotely via our web-based control system.

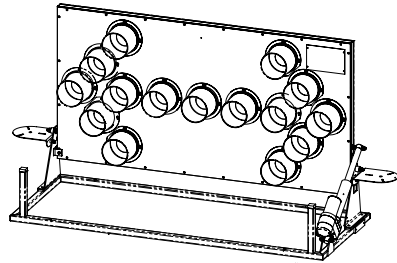
DEPLOYMENT OPTIONS INCLUDE

- ✓ 4WDs, utes, vans, trucks and J1-LED trailer units
- ✓ 3G remote communications and GPS positioning
- ✓ Remote status and health reporting
- ✓ FAS5 approved

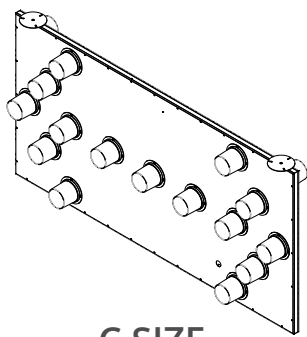


ARROW BOARD

MODEL NO



B SIZE
JL-D-0128
(UTE, VAN, 4WD MOUNT)



C SIZE
JL-D-0040 (TRUCK MOUNT)
JL-D-0038 (TRAILER)

ENCLOSURE SIZE (MM) W X H	1800 X 790	2400 X 1190
LANTERN SIZE (MM)	130	130
NUMBER OF LANTERNS	15	17
NET WEIGHT (KG)	15	30
CONTINUOUSLY VARIABLE DIMMING LEVELS	●	●
MARINE GRADE ALUMINIUM ENCLOSURE	●	●
INGRESS PROTECTION IP65	●	●
30° HORIZONTAL & VERTICAL VIEWING ANGLE	●	●
12/24V DC POWER SUPPLY	●	●
SETUP MECHANISMS	ELECTRIC LINEAR ACTUATOR	HYDRAULIC RAMS
PIXEL CONFIGURATION	592nm AMBER LED	
OPERATING TEMP	-10°C TO +70°C	
COMMUNICATIONS	LCD OR A/B DASH CONTROLLER	
VIEWING DISTANCE	0-860m @ 110kph	
CONTROL SYSTEMS	ONSITE OR REMOTE	

VARIABLE SPEED LIMIT SIGN (VSLS) TRAILER

The intelligent design of our VSLS trailer allows for easy transportation as it can be towed 2 up using a standard vehicle. Featuring electric raise lower, deployment is rapid & safe and can be deployed by a single person.

Built with Australian conditions in mind, the unit offers high corrosion resistance and a reliable, low maintenance service life. Capable of withstanding extreme wind conditions, the trailer does not require additional ballast or anchor points and the ultrahigh solar capacity ensures a long run time.

Monitoring & control is easy via our web-based platform, ITS HOST. Available in B & C speed size signage.

OPTIONS TO CUSTOMISE YOUR FLEET INCLUDE

- ✓ 3G remote or satellite communications
- ✓ High gain antennas
- ✓ Can be viewed over CCTV, IP and STREAMS
- ✓ Radar detection kits
- ✓ Vehicle activated managed server connectivity
- ✓ Lock kits and anti-graffiti options



VSLS TRAILER

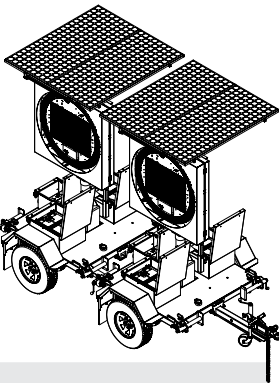
MODEL NO

B SIZE

JL-D-0096

C SIZE

JL-D-0024



ENCLOSURE SIZE (MM) W X H	600 x 610	900 x 930
RESOLUTION (PIXELS)	34 x 20	32 x 20
CHARACTER HEIGHT (MM)	200	320/400
NET WEIGHT (KG)	685	700
PITCH (MM)	12	18
TOWING SIZE (MM) W X H X L	1790 x 2785 x 2291	1790 x 2785 x 2291
SETUP SIZE (MM) W X H X L	1965 x 3385 x 2297	1965 x 3385 x 2297
DIMMING LEVELS	16	16
MARINE GRADE ALUMINIUM ENCLOSURE	●	●
LEXAN POLYCARBONATE ENCLOSURE WINDOW	●	●
INGRESS PROTECTION IP65	●	●
30° HORIZONTAL & VERTICAL VIEWING ANGLE	●	●
SPEED ZONES	60-80 kph	80 kph+
PIXEL CONFIGURATION	1 x 5mm WHITE LED	1 x 5mm WHITE LED
POWER SUPPLY	12vDC, 145W SOLAR, STAND ALONE, 2 SOLAR PANELS	
OPERATING TEMP	-10°C TO +70°C	
COMMUNICATIONS	STAND-ALONE REMOTE 3G, REMOTE 3G MANAGED SERVER	
SETUP MECHANISMS	ELECTRIC LINEAR ACTUATOR, BOTH SIGN & SOLAR LIFT. ELECTRIC MOTOR FOR SOLAR PANEL ROTATION. GAS STRUT ASSISTED ENCLOSURE.	
CONTROL SYSTEMS	ONSITE OR REMOTE – LOCAL LAPTOP, STREAMS, ITS HOST	

SINGLE LINE VMS

This lightweight, modular unit is suitable for multiple deployment options including vehicle mounted & static signs. The single line VMS complements existing J1-LED vehicle or trailer signage options and may also be integrated into non-J1-LED fittings.

This sign is routinely used in Truck Mounted Attenuators, Arrow Boards, Traffic Response Vehicles and Driver Advance Warning Systems including Road Condition Information Signs.

Text can be displayed as red, green & amber.

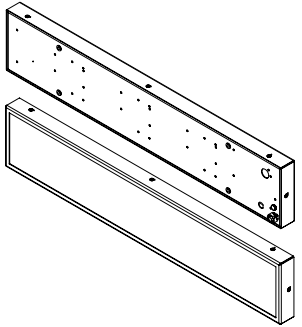
OPTIONS TO CUSTOMISE YOUR FLEET INCLUDE

- ✓ Optional 3G communications, STREAMS and GPS tracking
- ✓ Custom or fixed text including rolling text options
- ✓ LCD touch screen controller



SINGLE LINE VMS

MODEL NO	JL-D-0050
ENCLOSURE SIZE (MM) W X H	1138 x 218
DISPALY SIZE (MM) W X H	1094 x 160
RESOLUTION (PIXELS)	48 x 7
NET WEIGHT (KG)	7.5
PITCH (MM)	22.8
DIMMING LEVELS	16
MARINE GRADE ALUMINIUM ENCLOSURE	●
LEXAN POLYCARBONATE ENCLOSURE WINDOW	●
INGRESS PROTECTION IP65	●
30° HORIZONTAL & VERTICAL VIEWING ANGLE	●
POWER SUPPLY	12/24vDC
PIXEL CONFIGURATION	3A, 3R, 2G
OPERATING TEMP	-10°C TO +70°C
COMMUNICATIONS	STAND-ALONE REMOTE 3G, REMOTE 3G MANAGED SERVER
VIEWING DISTANCE	4-150m @ 60kph
CONTROL SYSTEMS	ONSITE OR REMOTE – LOCAL LAPTOP, STREAMS, ITS HOST



SPEED ADVISORY SIGNS

J1-LED vehicle activated signs are the next generation in speed advisory technology, incorporating real-time speed data and motorist warnings. These modular signs can be deployed as a fixed signage or mounted to a trailer.

Signs feature a red, green, amber, & white multicolour display and can be solar powered with battery or via mains for fixed signage.

Control & monitoring is via our web-based platform, ITS HOST, with remote activation/configuration as well as monitoring of solar charge and battery capacity.

Brightness adjusts according to ambient light conditions.

DEPLOYMENT OPTIONS INCLUDE

- ✓ Concrete pre-cast base with forklift and crane lifting points
- ✓ Standard 4.1m Traffic Signal Post
- ✓ Small trailer which may be towed 2-up with a standard vehicle



SPEED ADVISORY SIGNS

MODEL NO		TRAILER
		JL-D-0019
SIGN SIZE (MM) W X H	800 x 1000	
DISPLAY SIZE (MM) W X H	384 x 384	
RESOLUTION	32 x 32	
NET WEIGHT (KG)	700	
PITCH (MM)	12	
TOWING SIZE (MM) W X H X L	1790 x 2425 x 2005	
SETUP SIZE (MM) W X H X L	1965 x 3025 x 2023	
MARINE GRADE ALUMINIUM ENCLOSURE	●	
INGRESS PROTECTION IP65	●	
30° HORIZONTAL & VERTICAL VIEWING ANGLE	●	
PIXEL CONFIGURATION	RED, GREEN, WHITE & AMBER	
POWER SUPPLY	12vDC, 145W SOLAR, STAND ALONE, 1 SOLAR PANEL	
OPERATING TEMP	-10°C TO +70°C	
COMMUNICATIONS	STAND-ALONE REMOTE 3G, REMOTE 3G MANAGED SERVER	
SETUP MECHANISMS	ELECTRIC LINEAR ACTUATOR (SIGN ONLY), GAS STRUT ASSISTED ENCLOSURES	
VIEWING DISTANCE / RADAR RANGE	20-250m / 90m+	
CONTROL SYSTEMS	ONSITE OR REMOTE - LOCAL LAPTOP, ITS HOST	



VEHICLE MOUNTED VMS

Suitable for mounting on a wide variety of trailers, trucks and utility vehicles, J1-LED Vehicle Mounted VMS can be controlled remotely or via the in-cabin LCD control system (Autonomous Control System) for ease & safety.

Fitting options include fixed, vertical & horizontal hydraulics and also POD (pVMS On Demand), which is designed for quick-fit and removal for flexible fleet management.

Designed to Australian Conditions with high ambient temperatures, large viewing area, waterproof external connections and crystal clear viewing from multiple directions.

Available in Amber or up to 5 colour (RGBAW) combinations.



SCAN FOR POD DEMO



VEHICLE MOUNTED VMS

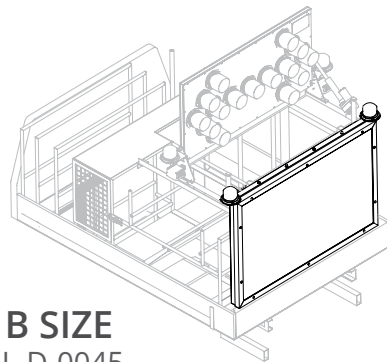
MODEL NO

A SIZE

JL-D-0044
(UTE MOUNT)

B SIZE

JL-D-0045
(TRUCK MOUNT)



DISPLAY SIZE (MM) W X H	1620 x 1050	2400 x 1430
CHARACTER HEIGHT (MM)	200	320
RESOLUTION (PIXELS)	48 x 28	48 x 28
NET WEIGHT (KG)	45	180
PITCH (MM)	28.6	46
DIMMING LEVELS	16	16
MARINE GRADE ALUMINIUM ENCLOSURE	●	●
LEXAN POLYCARBONATE ENCLOSURE WINDOW	●	●
INGRESS PROTECTION IP65	●	●
30° HORIZONTAL & VERTICAL VIEWING ANGLE	●	●
PIXEL CONFIGURATION	5mm AMBER / 5mm RGBAW (PENTA)	
POWER SUPPLY	12/24vDC (145W SOLAR PANEL OPTIONAL)	
OPERATING TEMP	-10°C TO +70°C	
COMMUNICATIONS	STAND-ALONE REMOTE 3G, REMOTE 3G MANAGED SERVER	
SETUP MECHANISMS	HYDRAULIC RAM FOR SIGN LIFT	
VIEWING DISTANCE (M)	4 – 200	20 – 250
CONTROL SYSTEMS	LCD IN-DASH CONTROLLER, REMOTE, LAPTOP & ITS HOST	

TRUCK MOUNTED ATTENUATOR

J1-LED use energy absorbing TMAs capable of stopping a 2000kg vehicle at 100kph. The cartridges are quickly replaceable, which results in less downtime and associated costs. Dual hydraulic rams ensure a swift raise / lower for storage and transport.

User-friendly, and intuitive, the digital LCD integrated control system (Autonomous Control System) is equipped with incident response presets for rapid and easy deployment. The high-quality, galvanised mounting unit is height adjustable, which ensures the unit remains at optimal height above ground no matter which type of vehicle is fitted out.

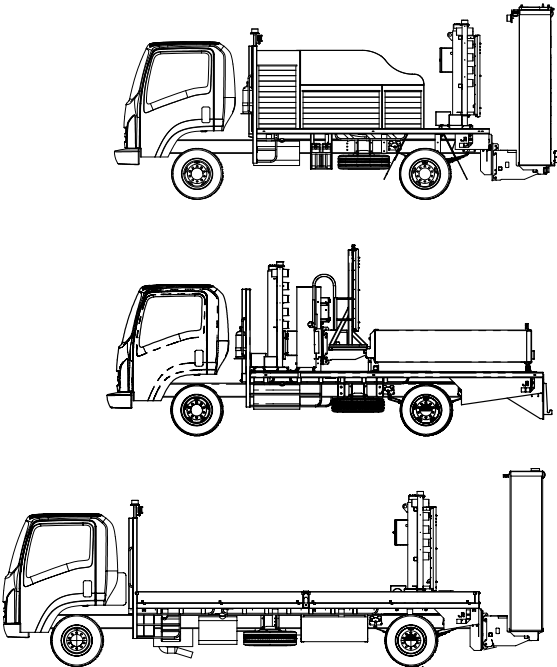
On board battery storage, and automatic impact brakes are standard.

VEHICLE FIT OUT OPTIONS INCLUDE

- ✓ Integrated Arrow Board - VMS unit
- ✓ High strength head boards
- ✓ Flashing lights and warning bars
- ✓ Independent power back up
- ✓ Dual CCTV system with hard drive recording
- ✓ UHF radio
- ✓ 4 point harness
- ✓ Air horns
- ✓ Incident response cabinets



WATCH CRASH TEST



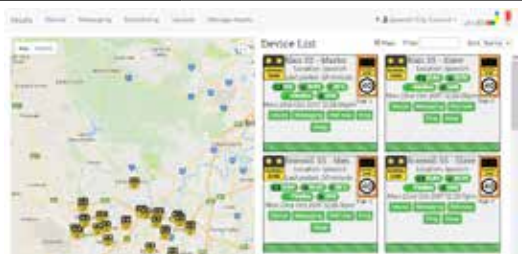
TMA

MODEL NO	JL-D-0850
DEPLOYED ATTENUATOR SIZE (MM) W X H X L (FROM GROUND)	2300 X ~1160* X 3977
RAISED CARTRIDGE SIZE (MM) W X H X L (FROM GROUND)	2300 X ~3580* X 1168
NET WEIGHT (KG)	781
SET UP MECHANISM	2 x HYDRAULIC RAMS POWERED BY 24V ELECTRIC HYDRAULIC PUMP

*Tolerance range ground to cartridge is 280-320mm

SIGN MANAGEMENT (ITS HOST)

An easy to use, installation-free and user-location independent system for the management of J1-LED signage.



- ✓ Sign Fleet lists including current status
- ✓ GPS Tracking on all signs
- ✓ Geo-fence capabilities
- ✓ Scheduling of images to date and time ranges
- ✓ Current sign storage capacity tracking
- ✓ Single colour and multi-colour display editing
- ✓ Custom text and graphic editing
- ✓ Access to predefined image lists
- ✓ Multi-image upload capability
- ✓ Battery Voltage, fault and other system diagnostic monitoring



THE LAST WORD

J1-LED offer a full range of Intelligent Transport Solutions as well as advertising, traffic and portable products.

As a family owned, Queensland success story, we have 20 years of serving the Traffic and Intelligent Transport System (ITS) industries, our products having withstood the most stringent testing available – time in deployment.

Currently we service national clients across the ITS, traffic and advertising markets supported by over 70 staff. We directly employ all specialist knowledge required to design and deliver our products, choosing not to outsource or subcontract. Our staff include Drafting (structural and mechanical), Engineering (structural, mechanical, electrical, applications and firmware), Manufacture (fabrication, electrical, automotive and assembly), Service & Installation as well as a small administrative capacity.

Our scalable production facilities in Beenleigh are able to rapidly increase and decrease production in line with customer needs and project changes. As owner occupiers of our production facilities, we can manage complex, high volume parallel projects without impacting delivery. All products complete their manufacturing process and undertake QA and testing in Beenleigh.

We hope the information provided has been useful, however our signage and fit out options extend far beyond the information on these pages.

Please call us on 07 3807 6272 for a customised quote, presentation or assessment of needs.

Regards

 Nathaniel Trieger
 Managing Director

WHAT WE DO

J1-LED is an Australian owned, market leader in roadside, digital, electronic and LED infrastructure, encompassing fixed, portable and vehicle mounted products.

- ✓ Intelligent Transportation Systems (ITS)
- ✓ Portable Display & Traffic Control Equipment
- ✓ Vehicle Fit Out - Trucks, Utes, Vans & 4WDs
- ✓ Truck Mounted Attenuators
- ✓ Advertising Display Solutions
- ✓ Leaders in Research & Development
- ✓ Specialty Engineering Capabilities
- ✓ Fleet Maintenance & Upgrades

J1-LED is committed to sustainability and ethical business practices. This catalogue was printed on environmental FSC accreditation stock by local indigenous printer Snap Underwood.

All specifications and illustrations used in this catalogue are based on the latest product information available at the time of printing. While J1-LED makes every reasonable effort to provide accurate information in this catalogue, there is no guarantee or warranty of accuracy. Furthermore, we do not assume any liability for the accuracy or completeness of information presented.

The STREAMS logo is owned by Transmax Pty Ltd an unlisted Australian company wholly owned by the Queensland Government Department of Transport & Main Roads and is used in this document with permission. ©2018 J1-LED

