



Our vision, your safety

VDA

Visual Dock Assistant



Designed in Australia



[www.lucidityaustralia.com.au](http://www.lucidityaustralia.com.au)



Reducing Fatigue

Reducing Costs

Increasing Safety

Reversing a trailer or trailer combination is one of the more difficult tasks required of a truck driver. So many sensory activities occurring at the same time and estimating the distance to your target is just one of them. Now you can eliminate the processing of the ESTIMATED distance to the target with a very accurate message telling you the EXACT distance, without complicating equipment combinations and most importantly reducing risks of collision and damage to machinery and infrastructure.

The Lucidity Visual Dock Assistant (VDA) offers the operator of a reversing vehicle five stages of optical indication of the distance to a loading dock.

### **Can the Lucidity VDA be fitted to your Trailer? YES.**

The Lucidity VDA system can be fitted to any trailer and is not dependent on anything other than the standard electrical connections for lighting.

You must have an operational lighting system and an adequately wired trailer which includes the reverse function. The Lucidity VDA system will work on both voltages 12 and 24 and also will operate on voltages supplied via Voltage reducers commonly found on European trucks. Trailer wired to standards AS2513 and AS4735.

### **What if I have EBS/ABS on my Trailer?**

The Lucidity VDA system is not dependent on EBS being fitted to the trailer. The VDA is a visual system that is compatible with operating on trailers with or without EBS.

### **How is this system so accurate?**

The Lucidity VDA system uses a Digital Ultrasonic Sensor. The sensing parameters are not affected by temperature or climatic conditions and maintain accurate measurement capabilities at all times.

### **Can I fit this product to equipment**

Yes, the VDA system is built for use with petrol and gas tankers. Cabling and Lighting complies with AS2809.1/2809.2.

# How does the VDA system Work?

## Activation

- The Lucidity VDA system is turned on by selecting the vehicles reverse gear.
- Once the vehicle is in reverse, two highly accurate digital sensors are activated.
- At the rear corners of the trailer, two flexible-based marker lamps are extending past the body line. These lamps are visible in your rearview mirror, if nothing is within any of the sensing zones the lamp will appear OFF, once you begin to move into the sensing area the light begins to flash at a consistent rate.

## Operation

- The Lucidity VDA system is a two sensor system design to detect docks.
- Once the VDA detects the loading dock is within 1.65 metres of the trailer, you will activate the first sensing zone and the flexible lamp will respond with a steady slow flash.
- As you move closer to the loading dock the response from the flexible lamp will change to a more rapid flash. Moving closer again the flash rate will continue to increase.
- Once the lamp stops flashing and it is illuminated solid you are within 300mm of the intended loading dock and the decision to brake is evident.
- The VDA system will automatically turn OFF once reverse is no longer selected.
- If your park lamps or headlights are turned ON whilst reverse gear is not selected, the flexible marker will act as a standard Red/Amber ADR45 approved marker lamp, which is approved for use if fitted under the guidelines of ADR13.



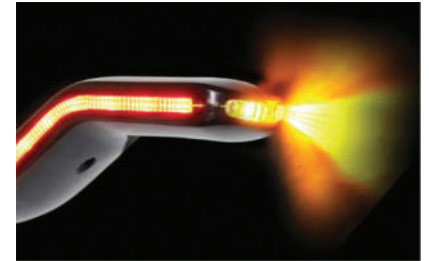
	Zone	Distance from Target	Flash Rate
Sensor Range	Zone 5	1650mm	2 flashes per second
	Zone 4	900mm	4 flashes per second
	Zone 3	600mm	6 flashes per second
	Zone 2	450mm	8 flashes per second
	Zone 1	300mm	Illuminated solid

## Why Choose the Lucidity VDA System

- Easily fitted to trailers for OEM and or after market.
- Does not complicate truck trailer combinations.
- ADR approved use of LED lighting.
- Will operate on all voltages commonly found within the Australian Trucking Industry, including reduced 24V supply from European trucks.
- Can be fitted to ANY trailer
- Reduces fatigue on Drivers
- Can reduce the frequency of collision or damage to Vehicles and property.
- Manufactured in Australia for Australian conditions.



**Straight Sensor  
with mounting hardware**



### Specification

		Operational Voltage		
		12 volt	24 volt	Reduced 24 volt
Operational Requirements	Park Signal	12 volt	24 volt	Reduced 24 volt
	Reverse Signal	12 volt	24 volt	Reduced 24 volt

The Lucidity VDA Kit is available in two options. Depending on your installation, we have the option of a right angled sensor, or a straight sensor.

Please contact Lucidity for advice on selection.

Part No.	Description
3371296	VDA Kit with Straight Sensor & Mounting Hardware 26559 Lamp.
3370344	VDA Kit with Straight Sensor & Mounting Hardware 26561 Lamp.
3370693	VDA Kit with Straight Sensor & Mounting Hardware 26563 Lamp.



26559N-VLH



26561B-1VLH1



26563B-1VLH