

VULKAN

INSTRUCTION MANUAL

PLEASE READ THIS INSTRUCTION MANUAL
BEFORE INSTALLING LIGHTS.

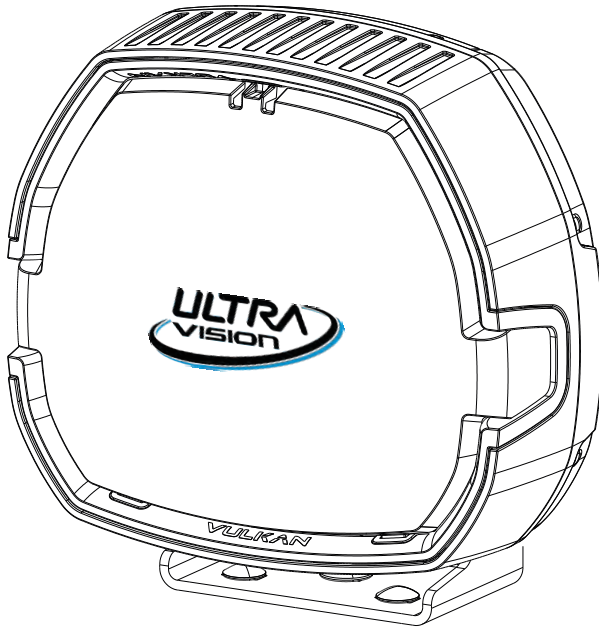


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Manufactured by:



Box Contents

Vulkan LED Driving lights - Pair

Contents:

- 2 x Vulkan Driving Lights
- 2 x Lens Covers With Logo
- 2 x Reversible Mounting Adaptors (fitted)
- 2 x M10x30 Cup Head Bolts
- 4 x M8x30 Cup Head Bolts
- 4 x M10x30 Hex Head Bolts
- 6 x M10 Nyloc Nuts, Washers
- 4 x M8 Nyloc Nuts, Washers
- 4 x Security M8x16 Captive Bolts/washers
- 6 x M8x20 Security Bolts With Captive Washers (fitted)
- 1 x T30 Torx Tool
- 1 x T40 Torx Tool
- 1 x Instructions And Install Guide
- 1 x VSM Switch And Harness

Vulkan LED Driving lights - Single

Contents:

- 1 x Vulkan Driving Light
- 1 x Lens Cover With Logo
- 1 x Reversible Mounting Adaptor (fitted)
- 1 x M10x30 Cup Head Bolt
- 2 x M8x30 Cup Head Bolts
- 2 x M10x30 Hex Head Bolts
- 3 x M10 Nyloc Nuts, Washers
- 2 x M8 Nyloc Nuts, Washers
- 2 x Security M8x16 Security Captive Bolts/washers
- 3 x M8x20 Security Bolts With Captive Washers (fitted)
- 1 x T30 Torx Tool
- 1 x T40 Torx Tool
- 1 x Instructions And Install Guide
- 1 x VSM Switch And Single Harness

Important Safety Information

- Only use the Vulkan lights in accordance with local regulations governing auxiliary vehicle lighting.
- Ensure the switch is installed by a qualified technician in accordance with the installation guide.
- Do not attempt to disassemble or modify the switch unit.

Introduction

The Vulkan Switch is a rotary encoder control unit designed to operate the Vulkan adaptable beam driving light system. This switch allows you to adjust the beam pattern from wide flood illumination to concentrated spot lighting, providing precise control over your auxiliary lighting.

The switch features an illuminated ring with colour – coded feedback to indicate the current operating status and beam configuration.

Switch overview

Key features

- Rotary encoder with tactile detent feedback for precise adjustment
- Push-to-toggle function for switching the Vulkan lights on and off
- Illuminated Logo Ring with colour coded status indication
- Can bus connectivity for reliable communication with the Vulkan Lighting System
- Memory function that recalls the previous beam/status setting when high beam is activated

Operating Instructions

The switch backlight provides visual feedback regarding the status of your vehicle lights and the Vulkan system.

Backlight Colour	Status Indication
White (5000K)	Vehicle lights are on; Vulkan system is in standby mode
Blue	Vulkan lights are on; beam pattern is set to full wide (WIDE)
Green	Vulkan lights are on; beam pattern is set to full spot (SPOT)
Green/Blue Mix	Vulkan lights are on; beam pattern is between wide and spot

Switching the lights on and off

The Vulkan lights can only be operated when the vehicles high beam is switched on.

To switch the Vulkan lights on :

- 1 – Ensure your vehicle's high beam is on.
- 2 – Press the rotary encoder knob to toggle the Vulkan lights on.
- 3 – The back light will change from white to a green/blue colour, indicating the lights are active.

To switch the lights off :

Press the rotary encoder knob again to toggle the lights off.

The backlight will return to white.

Adjusting the beam pattern

The rotary encoder (knob) allows you to adjust the beam pattern across the full range from wide flood to spot lighting.

Rotating Direction

Clockwise - Narrows the beam pattern towards SPOT
(Concentrated Long-Range)

Anti-Clockwise - Adjusts the beam pattern towards WIDE
(Broad peripheral coverage)

Memory function

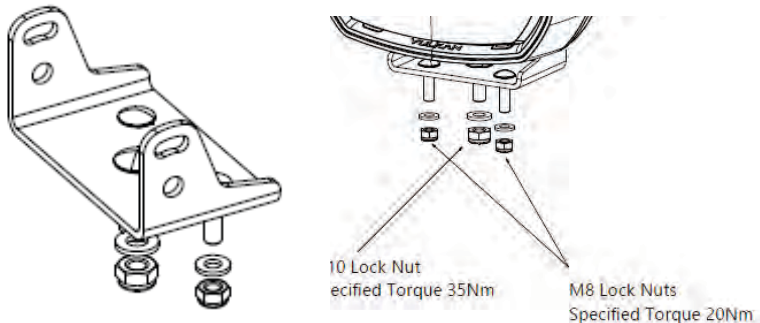
The Vulkan switch remembers its last setting. When the high beam is switched on, the Vulkan lights will automatically adopt the previous status (on or off) and beam setting from last use.

Technical Specifications

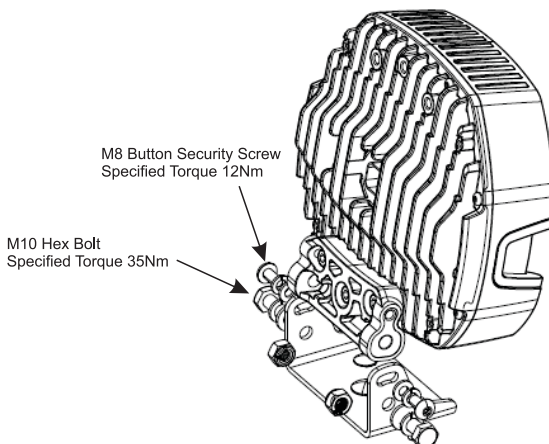
Parameter	Specification
Control Type	Rotary encoder with push-to-toggle function. No Stops
Detents	30 detents of rotation (wide to spot) 270 degrees
Backlight	RGB LED ring (white, green, blue)
Communication	CAN bus
Power Supply	12V & 24V DC Compatible

Installation of light:

1. Install Vulkan Driving light brackets onto vehicle using a centre M10x30mm Cup head bolt , 2 x M8x30 Cup head bolts with flat washers and Nyloc nuts supplied.

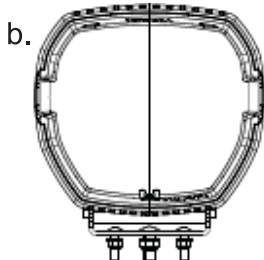
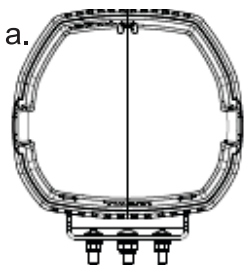


2. Install the Vulkan light onto the brackets fitted to the vehicle by fitting the M10X30 Hex head bolts first with the M10 Nyloc nut seated into the back of the bracket adaptor already fitted to the light. Then tilt the light into its position vertically and fit the M8X16 security screws with the security tool supplied.



Light orientation:

The Vulkan light can be mounted in two different orientations as per below image. This is to give your light the look it needs to best suit your vehicle. See below (a) Standard Orientation or (b) Inverted.



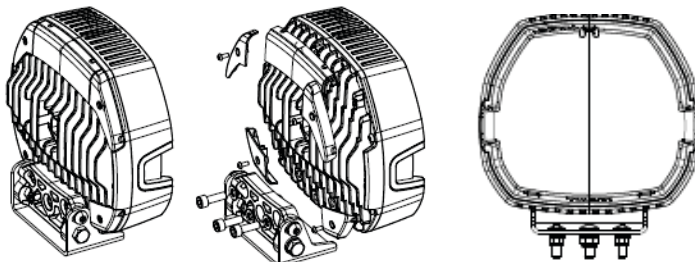
Please Note:

Lights are supplied with standard lens covers (a). If you require the inverted lens covers (b), please order off our website.

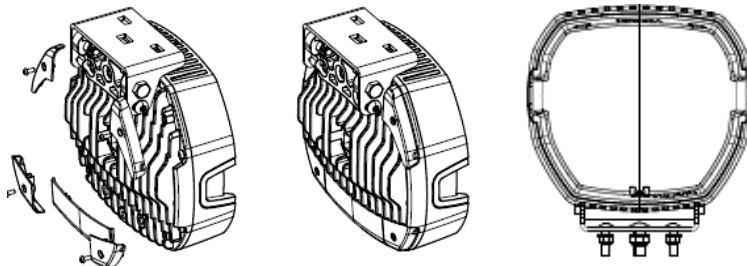
Part# VUL9-ILCC

To do this change you will need to remove the bracket adaptor from the light by undoing the three M8X20 security bolts and re-attach it to the other side of the light seen in images below. You will also need to remove and re-attach the rear covers to access these mounting holes.

Disassembly from factory to change mounting orientation

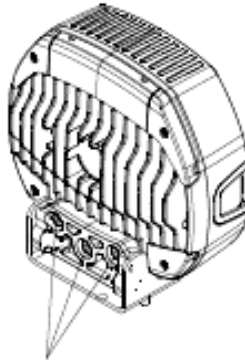


Re-assembly to new orientation



Light orientation (Cont.)

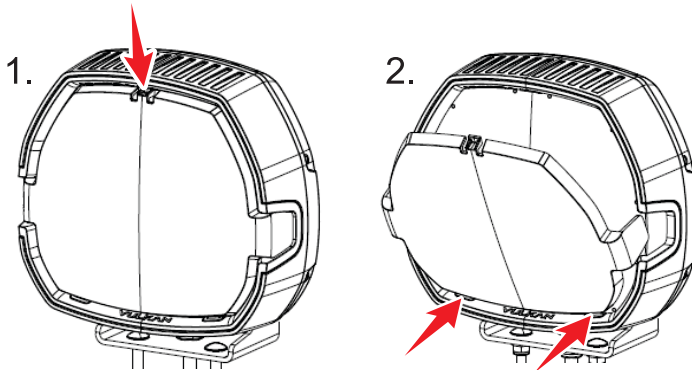
When re-attaching the three M8X20 security bolts, they must be re-tightened to a minimum of 12Nm of torque.



M8 Button Head Security Screws
Specified Torque - 12Nm

Lens cover removal and install:

The Vulkan driving lights come with the lens covers already fitted. However, they are easily removable to allow for cleaning or replacement. To remove the cover from the Vulkan light you simply need to push down the clip at the centre top position of the cover for it to release.



To re-install the cover, make sure the two locator tabs on the bottom of the lens cover are seated into position at the bottom of the light, swing the cover up and clip it into position with the top clip.

Ensure the lens cover is clipped securely into both lower locating tabs, then the top clip is securely *clicked into placed.

* An audible click should be heard and felt.

Troubleshooting

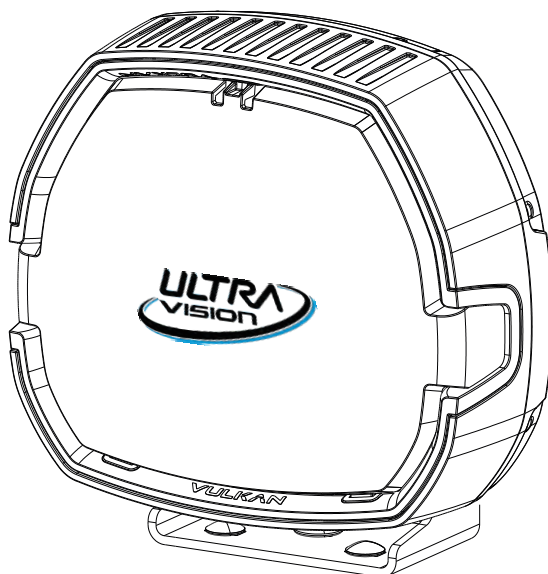
Symptom	Possible Cause / Solution
Backlight does not illuminate	Vehicle lights are off. Turn on the vehicle lights to activate the backlight.
Pressing the encoder does not toggle the lights	Main beam is not switched on. The Vulkan lights can only be toggled when the high beam is active.
No response from the switch	Check CAN bus and power connections. Ensure the wiring is secure and undamaged.

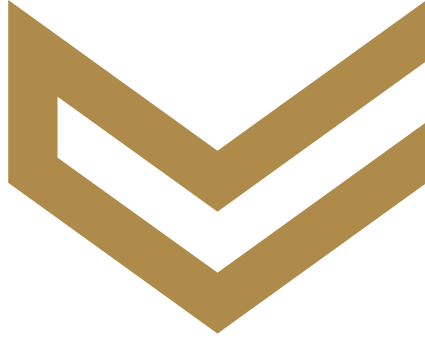
Contact & Support

For technical support or warranty enquiries, please contact your authorised Ultra Vision dealer or visit the Ultra Vision website.

www.ultra-vision.com.au

1800 66 55 66





VULKAN

Manufactured by



www.ultra-vision.com.au

1800 66 55 66

3 Westbrook Road
Swan Hill, Victoria
Australia

