

# **NARVA®**

## ***EX2 - L.E.D DRIVING LIGHTS*** ***Instructions & Specifications***

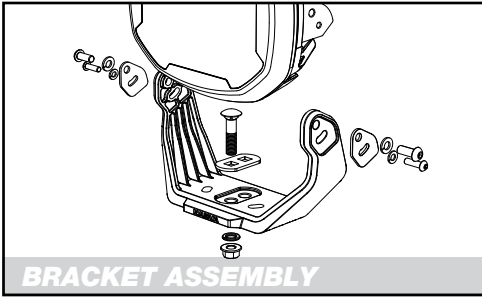
P/No. 72142, 72160, 72162, 72170, 72172, 72180, 72182



### ***IMPORTANT SAFETY INFORMATION***

- Remove negative battery cable before installation
- Ensure lamps are fitted using the appropriate wiring harness or an equivalent auxiliary wiring systems
- Ensure the lamps are mounted securely to a solid surface on the vehicle or bullbar
- Cables connected to the lamp must not be subjected to wear or other damage

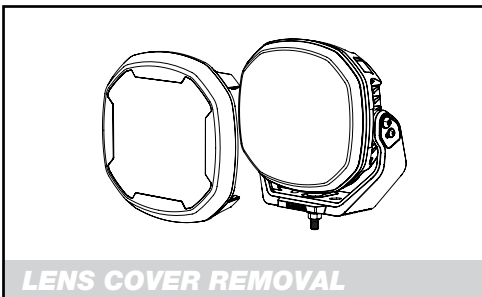
## MOUNTING



### BRACKET ASSEMBLY

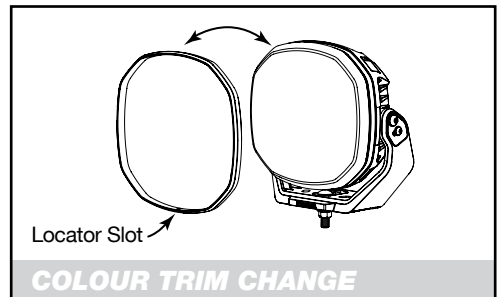
- 1 Each lamp is pre-assembled with stainless steel fasteners
- 2 Choose a solid surface on the vehicle or bullbar to mount the driving lights and secure the lamps by using the flat washer, spring washer with M10 nut

## ASSEMBLIES



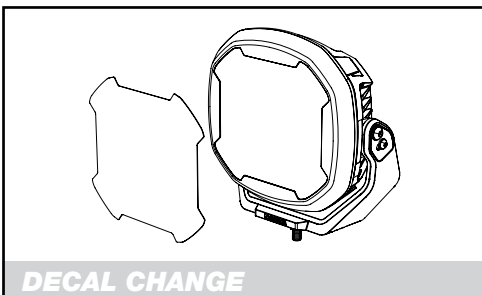
### LENS COVER REMOVAL

- 1 Remove Lens Protector by un-clipping the side wings



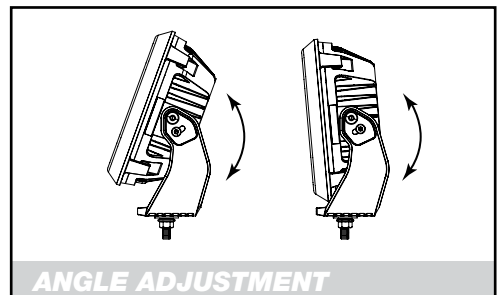
### COLOUR TRIM CHANGE

- 1 Remove the Colour trim by unclipping from the edge of the lamp
- 2 Change the Colour Trim and reassemble in reverse order



### DECAL CHANGE

Peel off the adhesive backing of the decal and align the decal to the edge of the lens cover decal outline. Press the decal down firmly and push out any bubbles, Wipe lens cover to avoid decal peeling off when washing



### ANGLE ADJUSTMENT

Loosen the nut and adjust lamp to the desired angle. Re-tighten nut

# WIRING INSTRUCTIONS

## **EX2 WIRING WITHOUT SWITCH**

1. Join both positive red leads from the driving lights to one cable size listed in the below table by crimping the ends together.
2. Terminate the cable to one end of the fuse holder and other end to the positive terminal of the battery.
3. Join both negative black leads from the driving lights to one cable size listed in the below table by crimping the ends together.
4. Terminate to negative terminal of the battery or vehicle ground chassis.
5. Join the yellow highbeam trigger wire to 3mm wire and connect it to the highbeam feed wire of the vehicle.

## **EX2 WIRING WITH SWITCH**

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3. Join both negative black leads from the driving lights to one cable size listed in the below table by crimping the ends together.
4. Terminate to negative terminal of the battery or vehicle ground chassis.
5. Join the yellow highbeam trigger wire to 3mm wire and connect it to the switch in cabin. Connect a 3mm wire from the switch to high beam feed wire of the vehicle.

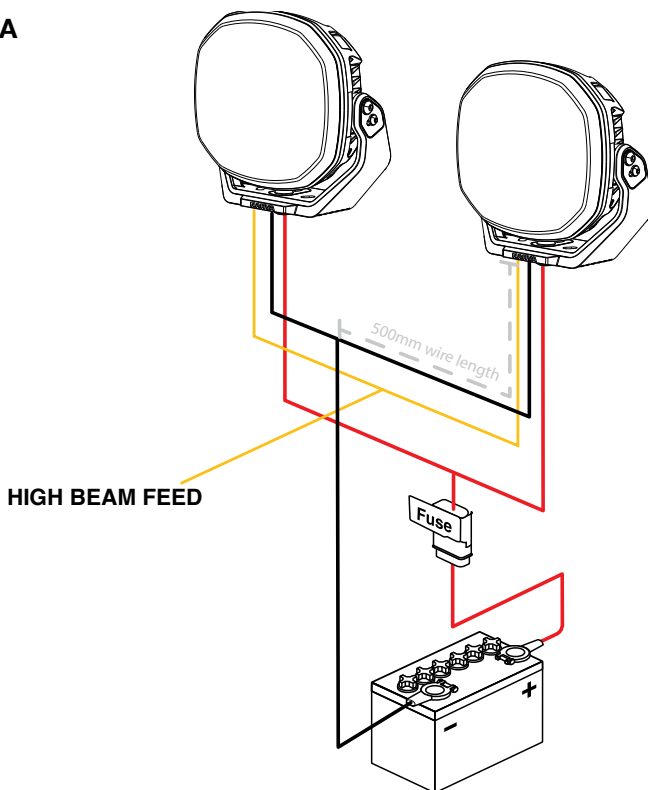
EX2 Driving lights come with 500mm flying lead

4" single	3mm wire	5A fuse
4" pair	3mm wire	7.5A fuse
6" single	3mm wire	7.5A fuse
6" pair	4mm wire	15A fuse
7" single	3mm wire	7.5A fuse
7" pair	4mm wire	15A fuse
9" single	4mm wire	15A fuse
9" pair	6mm wire	25A fuse

Driving lights must dip with High Beam to meet ADR requirements. Please refer to your local State Government for wiring requirements, as they can differ from state to state. Please consult a qualified Auto Electrician to adapt to your vehicle wiring.

# LAMP WIRING (WITHOUT SWITCH)

DIAGRAM A



**RED - POSITIVE**

**BLACK - NEGATIVE**

**YELLOW - HIGH BEAM FEED**

**\*Fuse not included (refer to table)**

**\*Length of wires for diagram purposes only**

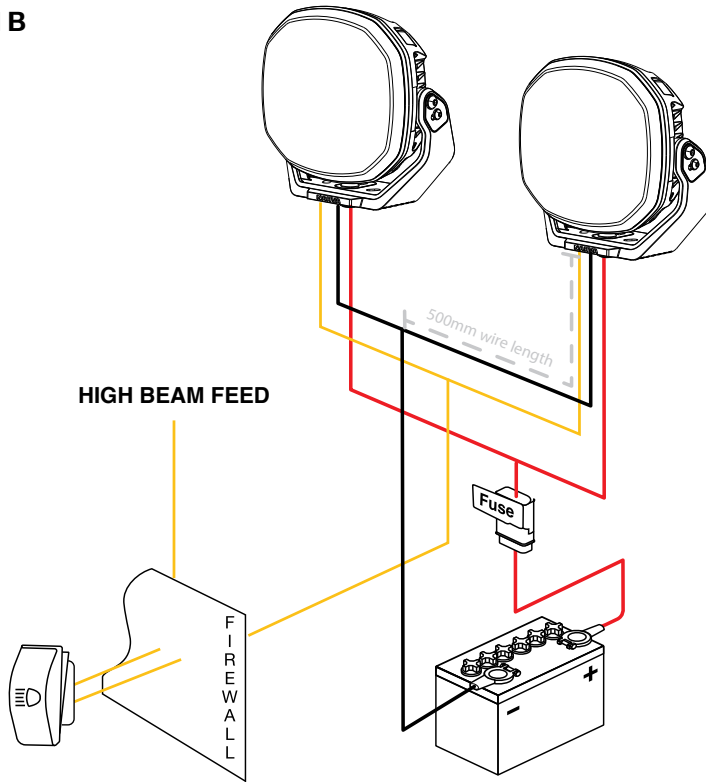
No relay required due to internal switching technology (patent pending)

Each EX2 driving light comes with 500mm flying lead wire

Note: Driving lights must dip with High Beam to meet ADR requirements. Please refer to your local State Government for wiring requirements, as they can differ from state to state. Please consult a qualified Auto Electrician to adapt to your vehicle wiring.

# LAMP WIRING (WITH SWITCH)

DIAGRAM B



**RED - POSITIVE**  
**BLACK - NEGATIVE**  
**YELLOW - HIGH BEAM FEED**

\*Fuse not included  
\*Length of wires for diagram purposes only

No relay required due to internal switching technology (patent pending)

Each EX2 driving light comes with 500mm flying lead wire

**Note: Driving lights must dip with High Beam to meet ADR requirements. Please refer to your local State Government for wiring requirements, as they can differ from state to state. Please consult a qualified Auto Electrician to adapt to your vehicle wiring.**

## TECHNICAL SPECIFICATIONS

Series Name:	4" EX2 Driving Lamp (Single)	6" EX2 Driving Lamp (Single)
Voltage:	12/24 dual voltage with reverse polarity protection	12/24 dual voltage with reverse polarity protection
LEDs:	12 x 5W Cree LEDs	24 x 5W Cree LEDs
Housing & Bracket	Aluminium pressure die-cast & extra tough glass reinforced polymer	Aluminium pressure die-cast & extra tough glass reinforced polymer
Beam Type	Hybrid beam	Hybrid beam
Lenses	Hardcoated polycarbonate	Hardcoated polycarbonate
Colour Temperature	5700°K	5700°K
Current Draw (@13.5V/@28V)	2.52/1.22	4.74/2.29

Series Name:	7" EX2 Driving Lamp (Single)	9" EX2 Driving Lamp (Single)
Voltage:	12/24 dual voltage with reverse polarity protection	12/24 dual voltage with reverse polarity protection
LEDs:	24 x 5W Cree LEDs	40 x 5W Cree LEDs
Housing & Bracket	Aluminium pressure die-cast & extra tough glass reinforced polymer	Aluminium pressure diecast & extra tough glass reinforced polymer
Beam Type	Hybrid beam	Hybrid beam
Lenses	Hardcoated polycarbonate	Hardcoated polycarbonate
Colour Temperature	5700°K	5700°K
Current Draw (@13.5V/@28V)	5.78/2.79	9.62/4.64

## PARTS AVAILABLE

	4" EX2 Driving Lamp	6" EX2 Driving Lamp	7" EX2 Driving Lamp	9" EX2 Driving Lamp
Volcano (Red)	C 72142-RD	C 72160-RD	C 72170-RD	C 72180-RD
Juiced (Orange)	C 72142-OE	C 72160-OE	C 72170-OE	C 72180-OE
Sunburst (Yellow)	C 72142-YW	C 72160-YW	C 72170-YW	C 72180-YW
Hyper (Green)	C 72142-GN	C 72160-GN	C 72170-GN	C 72180-GN
Electric (Blue)	C 72142-BE	C 72160-BE	C 72170-BE	C 72180-BE
Bubblegum (Pink)	C 72142-PK	C 72160-PK	C 72170-PK	C 72180-PK
Slate (Grey)	C 72142-GY	C 72160-GY	C 72170-GY	C 72180-GY
Stealth (Black)	C 72142-BK	C 72160-BK	C 72170-BK	C 72180-BK

# **WARRANTY**

## **Applicable only to product sold in Australia**

Brown & Watson International Pty Ltd of 1500 Ferntree Gully Road, Knoxfield, Vic., telephone (03) 9730 6000, fax (03) 9730 6050, warrants that all products described in its current catalogue (save and except for all bulbs and lenses whether made of glass or some other substance) will under normal use and service be free of failures in material and workmanship for a period of one (1) year (unless this period has been extended as indicated elsewhere) from the date of the original purchase by the consumer as marked on the invoice. This warranty does not cover ordinary wear and tear, abuse, alteration of products or damage caused by the consumer.

To make a warranty claim the consumer must deliver the product at their cost to the original place of purchase or to any other place which may be nominated by either BWI or the retailer from where the product was bought in order that a warranty assessment may be performed. The consumer must also deliver the original invoice evidencing the date and place of purchase together with an explanation in writing as to the nature of the claim.

In the event that the claim is determined to be for a minor failure of the product then BWI reserves the right to repair or replace it at its discretion. In the event that a major failure is determined the consumer will be entitled to a replacement or a refund as well as compensation for any other reasonably foreseeable loss or damage.

This warranty is in addition to any other rights or remedies that the consumer may have under State or Federal legislation.

## **IMPORTANT NOTE**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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