

NARVA

Part No. 72175, 72185

EX2 BLACKOUT LIGHTS

INSTRUCTIONS AND SPECIFICATIONS



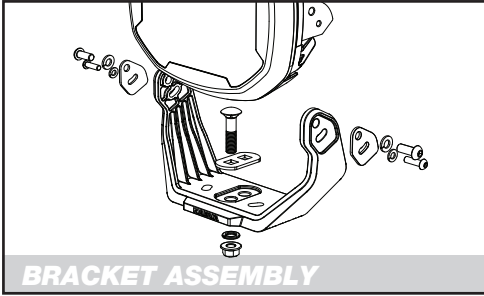
IMPORTANT SAFETY INFORMATION

Please read these instructions carefully before installation.

This product is intended for use as an auxiliary driving light and should be mounted to a vehicle facing forward. Applications outside this scope may void the product warranty.

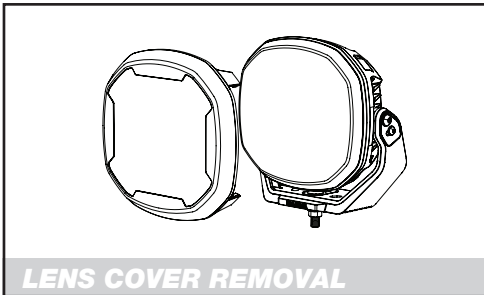
- Remove negative battery cable before installation.
- Ensure lamps are fitted using the appropriate wiring harness or an equivalent auxiliary wiring systems.
- Ensure the lamps are mounted securely to a solid surface on the vehicle or bullbar.
- Cables connected to the lamp must not be subjected to wear or other damage.
- Please refer to your local State Government for lighting requirements, as they can differ from state to state.
- Please consult a qualified Auto Electrician to adapt to your vehicle wiring.

DRIVING LIGHTS MOUNTING

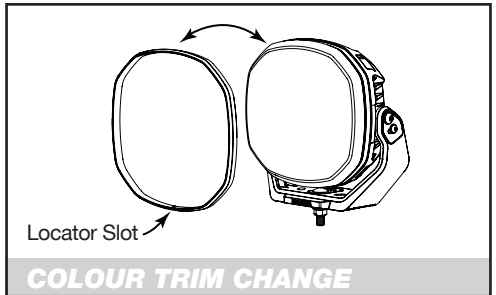


1. Each lamp is pre-assembled with stainless steel fasteners
2. Choose a solid surface on the vehicle or bullbar to mount the driving lights and secure the lamps by using the flat washer, spring washer with the M10 nut.

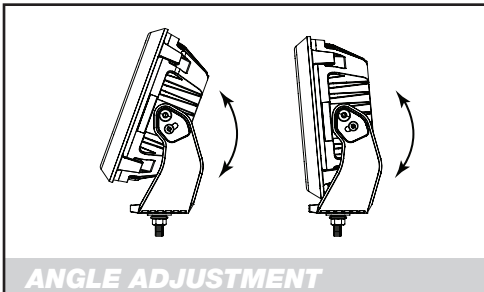
DRIVING LIGHTS ASSEMBLY



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



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



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

DRIVING LIGHTS WIRING INSTRUCTIONS

EX2 WIRING WITHOUT SWITCH

1. Join both positive red leads from the driving lights to one cable 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 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.
6. Ensure fuse and negative battery cable is connected. Test the driving lights by turning the highbeams on.

EX2 WIRING WITH SWITCH

1. Join both positive red leads from the driving lights to one cable 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 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.
6. Ensure fuse and negative battery cable is connected. Test the driving lights by turning the highbeams and switch on.

WHITE POSITION LIGHT

Connect the white wire using 2.5mm wire to ignition source or parking lights. Test the white position lights by turning on parking lights or ignition.

AMBER POSITION LIGHT

Connect the orange wire using 2.5mm wire to ignition source or parking lights. Test the Amber position lights by turning on parking lights or ignition.

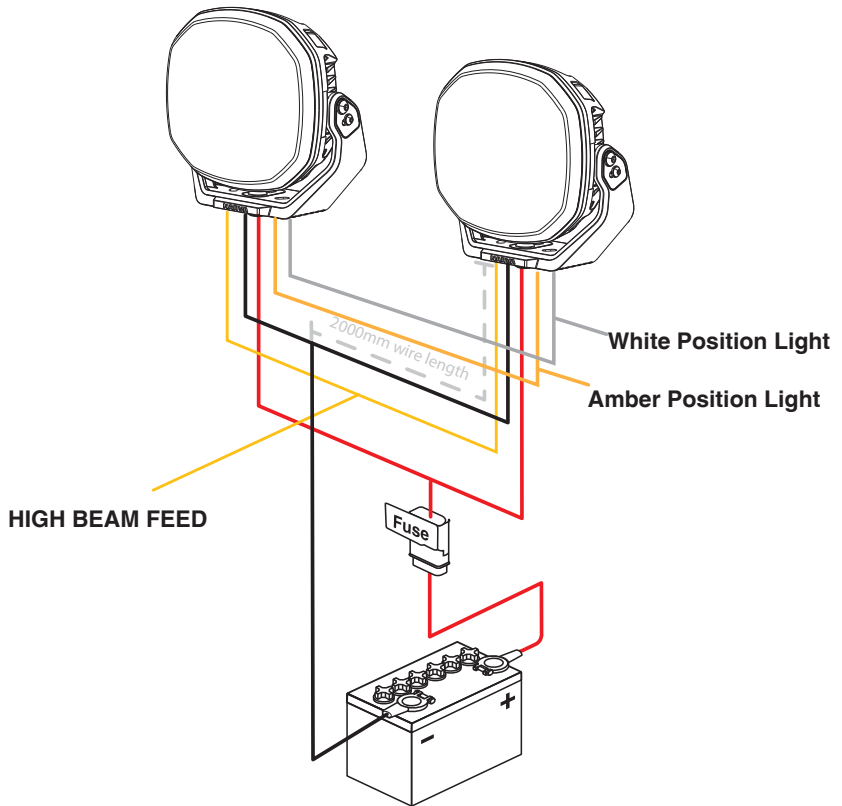
Position light wires require voltage signal only. If both white and orange wires detect voltage, position lights will not turn on.

CABLE AND FUSE

7" Pair	4mm cable with 15A fuse
9" Pair	6mm cable with 25A fuse

DRIVING LIGHT LAMP WIRING (WITHOUT SWITCH)

DIAGRAM A



RED - POSITIVE

BLACK - NEGATIVE

YELLOW - HIGH BEAM FEED

*Fuse not included (check cable and fuse for detail)

*Length of wires for diagram purposes only

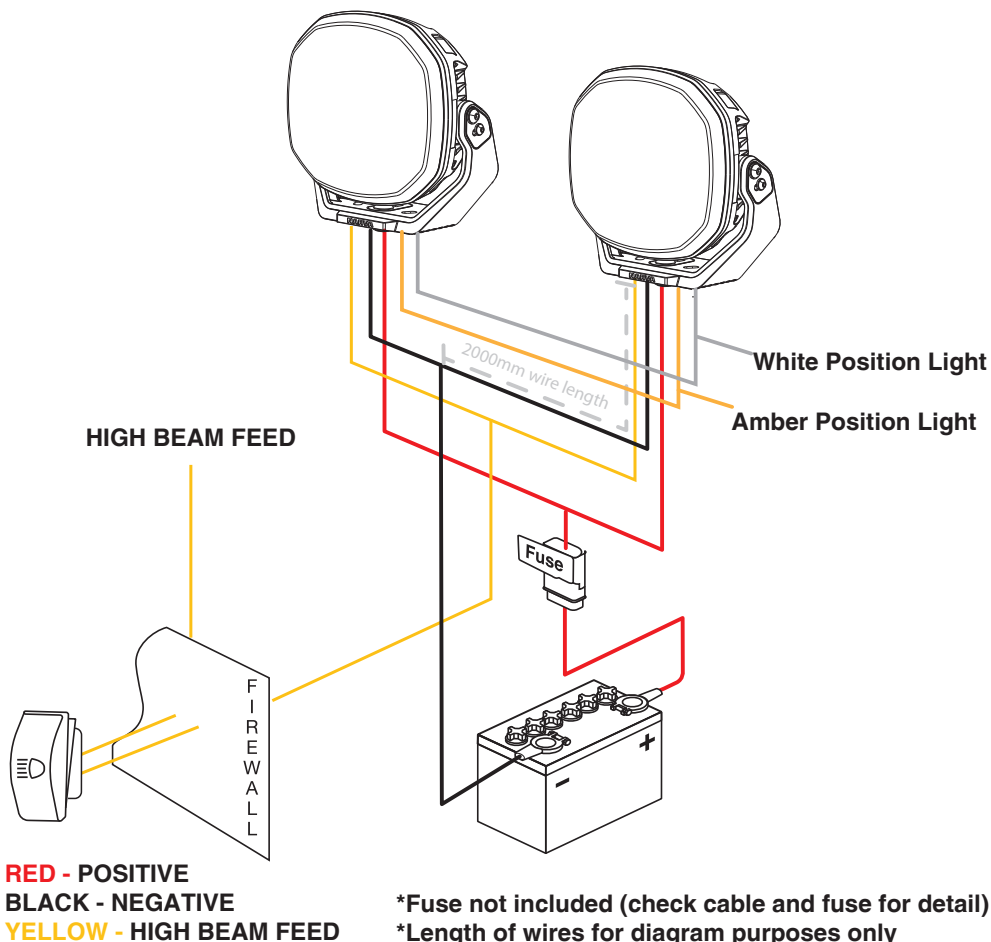
No relay required due to internal switching technology (patent pending)

Each EX2 driving light comes with 2000mm 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.

DRIVING LIGHT LAMP WIRING (WITH SWITCH)

DIAGRAM B



Please consult a qualified Auto Electrician to adapt to your vehicle wiring as wrong connections can cause damage to your vehicle wiring and electronic modules.

DRIVING LIGHTS TECHNICAL SPECIFICATIONS

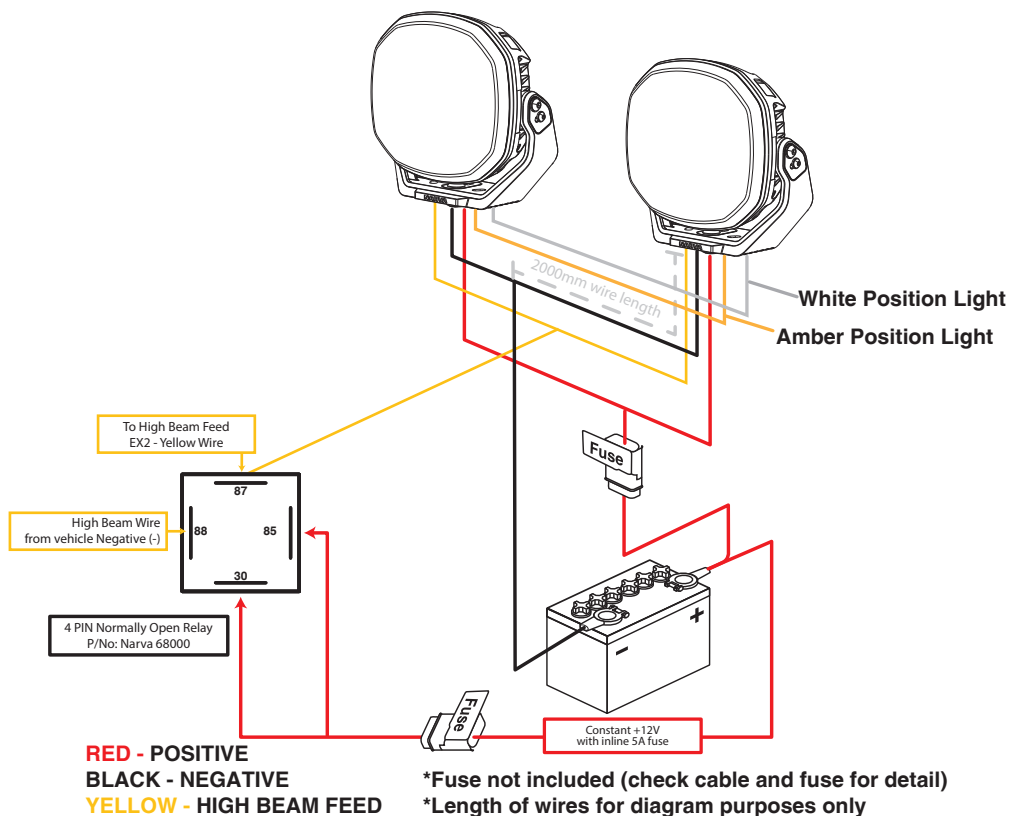
Series Name:	7" EX2 Driving Lamp (Single)	9" EX2 Driving Lamp (Single)
Input Voltage Range:	9-33V	9-33V
Current Draw (@13.5V)	11.6A (Pair)	19.2A (Pair)
LEDs:	24 x 5W Cree LEDs	40 x 5W Cree LEDs
Effective Lumens:	12,000Lm (Pair)	19,400Lm (Pair)
Beam Type	Hybrid beam	Hybrid beam
Colour Temperature	5700°K	5700°K
Colour Rendering Index:	70	70
Lenses	Hardcoated polycarbonate	Hardcoated polycarbonate
Hardware:	Stainless Steel	Stainless Steel
IP Rating:	IP68 & IP69K	IP68 & IP69K
Position Light:	Amber & White	Amber & White
Housing & Bracket	Aluminium pressure die-cast & composite bracket	Aluminium pressure die-cast & composite bracket

DRIVING LIGHTS PARTS AVAILABLE

	7" EX2 Driving Lamp	9" EX2 Driving Lamp
Volcano (Red)	C 72175-RD	C 72185-RD
Juiced (Orange)	C 72175-OE	C 72185-OE
Sunburst (Yellow)	C 72175-YW	C 72185-YW
Hyper (Green)	C 72175-GN	C 72185-GN
Electric (Blue)	C 72175-BE	C 72185-BE
Bubblegum (Pink)	C 72175-PK	C 72185-PK
Slate (Grey)	C 72175-GY	C 72185-GY
Stealth (Black)	C 72175-BK	C 72185-BK

DRIVING LIGHTS FOR NEGATIVE SWITCHED VEHICLES ONLY

1. Using a 4PIN normally open relay (Narva P/no 68000), connect PIN 30 and PIN 85 to a constant +12V source with 5Amp inline fuse
2. Connect negative (-) high beam wire from vehicle to PIN 86.
3. Connect PIN 87 to EX2 High beam feed.



Please consult a qualified Auto Electrician to adapt to your vehicle wiring as wrong connections can cause damage to your vehicle wiring and electronic modules.

WARRANTY STATEMENT

Brown & Watson International Pty Ltd ("BWI") of 1500 Ferntree Gully Road, Knoxfield, Vic., telephone (03) 9730 6000, fax (03) 9730 6050, warrants that all products described in its current catalogue will under normal use and service be free of failures in material and workmanship for a period of one (1) year from the date of the original purchase by the customer as marked on the invoice. This warranty does not cover ordinary wear and tear, abuse, alteration of products or damage caused by the purchaser. 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 the 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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