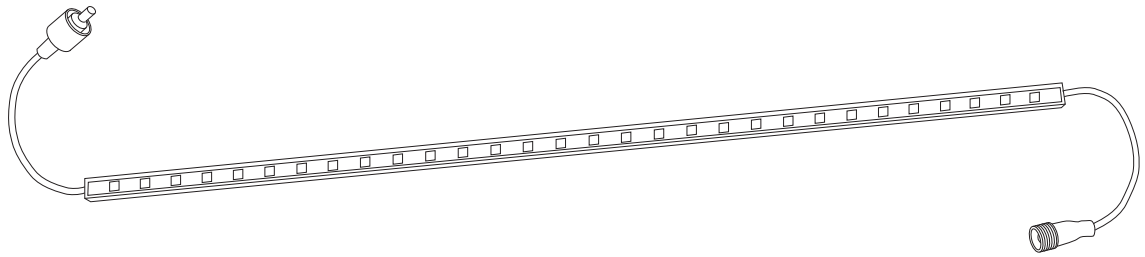
RHINO-RACK

LED Light Bar

Important: Please read these instructions carefully prior to installation.
Please refer to your fitting instruction to ensure that the LED Light Bar is connected and installed correctly.
Check the contents of kit before commencing fitment and report any discrepancies.



Colour	Input Voltage	Kelvin	Length	LED Type	Power	Current	LED Life	Ingress Protection
Pure White	12V	5000-5500	30cm/50cm	Tri Chip	4.3 / 7.2W	0.3 / 0.5A	50,000 hrs	IP68

Important Information

Warning:

Use caution when connecting cables to car battery as this may cause injury when not carried out correctly.

Some items in the kit are for indoor use only and should have adequate weather protection inside the vehicle it is installed on.

Do not look directly at LED lights as it can cause eye damage.

Read all instructions before use. If you are unsure on any items, please direct your questions to the place of purchase.

Note for Dealers and Fitters
It is your responsibility to ensure this fitting instruction is given to the end user or client.

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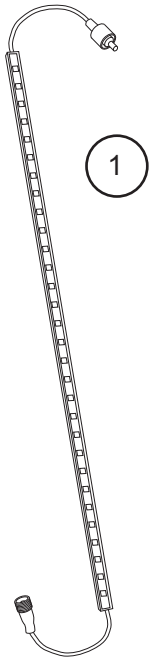
Warranty: 5 Years Limited Warranty on the Rhino-Rack LED Lighting.

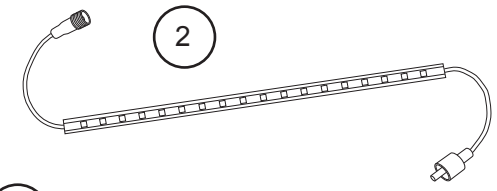
LED Light Bar

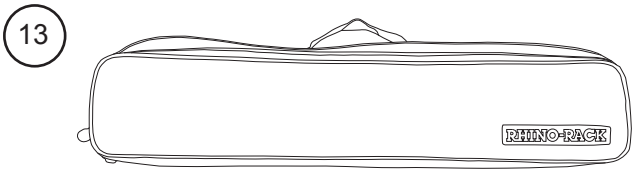
Parts List

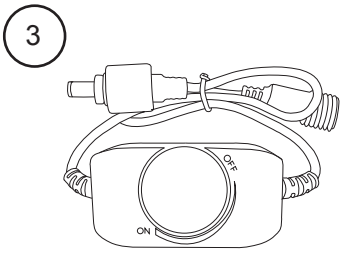
Item	Component Name	LEDKIT1	LEDKIT2	LEDKIT3	Part No
1	50 cm LED Light Bar	4	1	2	LED01
2	30 cm LED Light Bar	0	0	0	LED02
3	On/Off Dimmer Switch	4	1	1	LED03
4	Remote Dimmer Kit	0	0	0	LED04
5	12V / Alligator Clamps Lead	1	0	0	LED05
6	10m Extension Lead	1	0	0	LED06
7	2.5m Extension Lead	2	0	1	LED07
8	1.2m Extension Lead	2	0	0	LED08
9	Three Way Splitter	2	0	0	LED10
10	12V / 3m Cigarette / Merit Lighter Lead Fused 8A	1	1	1	LED11
11	Velcro Straps (6 pcs)	2	1	1	LED12
12	240V Power Adaptor AU/NZ	1	0	0	LED14
13	Padded Carry Bag	1	0	0	LED16

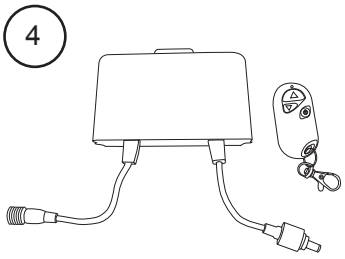
* Quantities shown are for instructional purposes. Actual kit quantities can vary

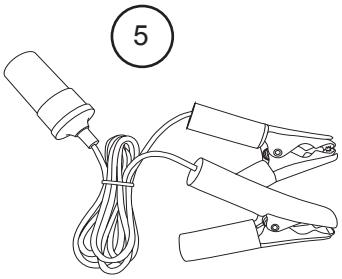


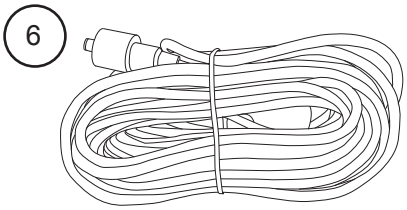


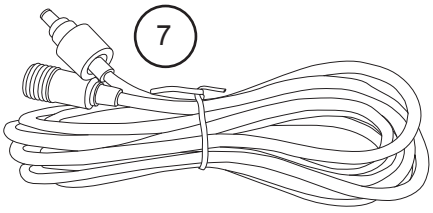


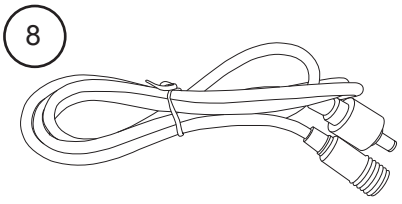


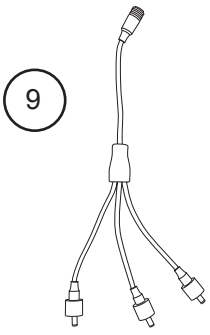


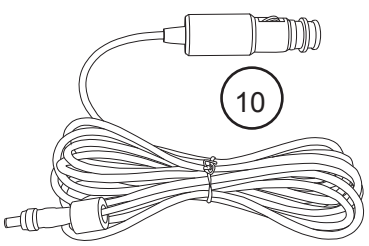


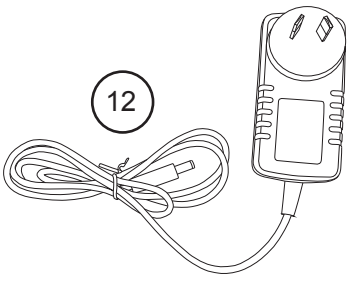






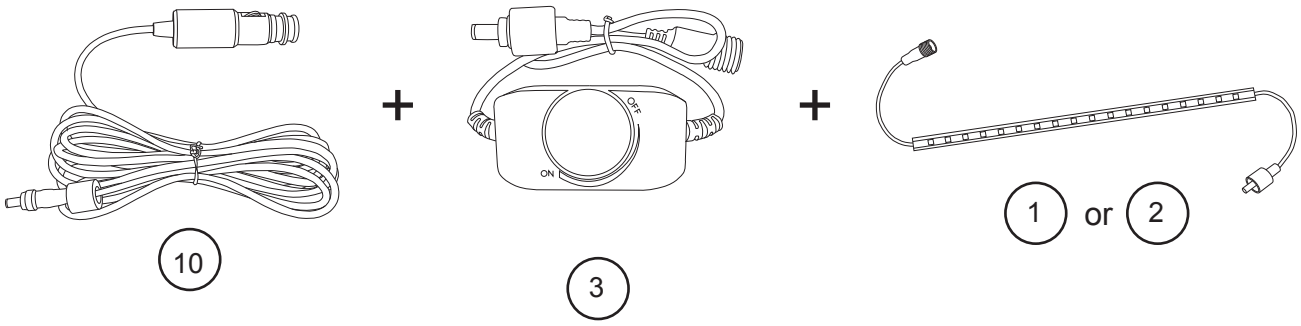




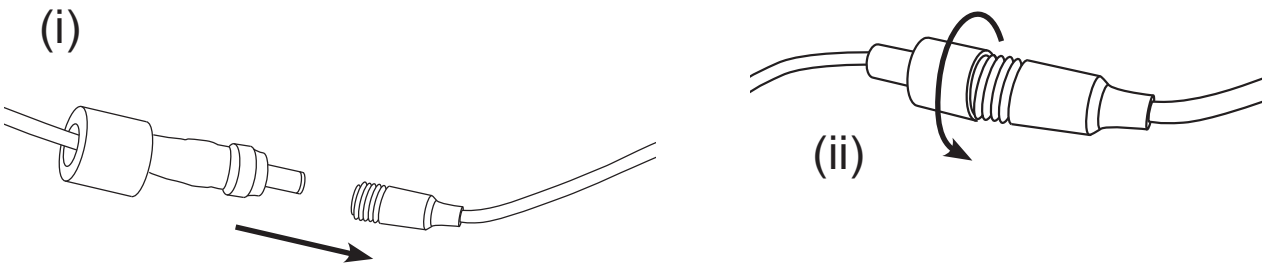


1 **Basic kit set up.**

Requires: Power Supply [Item 10] + On/Off Dimmer Switch [Item 3] + LED Light Bar [Item 1]



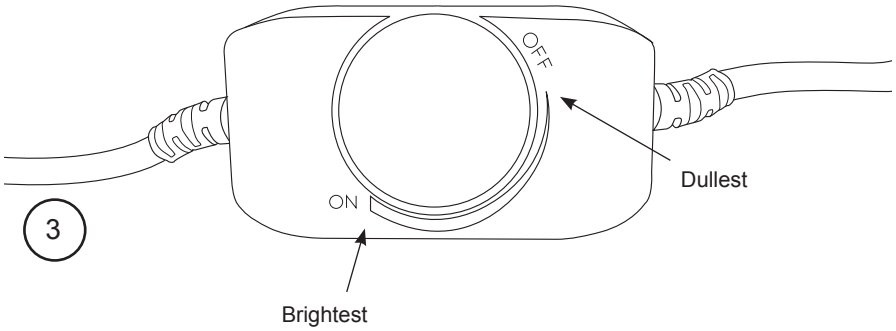
2 Connection as shown.



NOTE: 240V Power Supply does not have threaded collar as it is intended for indoor use only.

3

Once all items are connected, switch on Power Supply / 12V power. Turn on Dimmer Switch [Item 3] by rotating clockwise. Set appropriate light levels by turning clockwise / anticlockwise.



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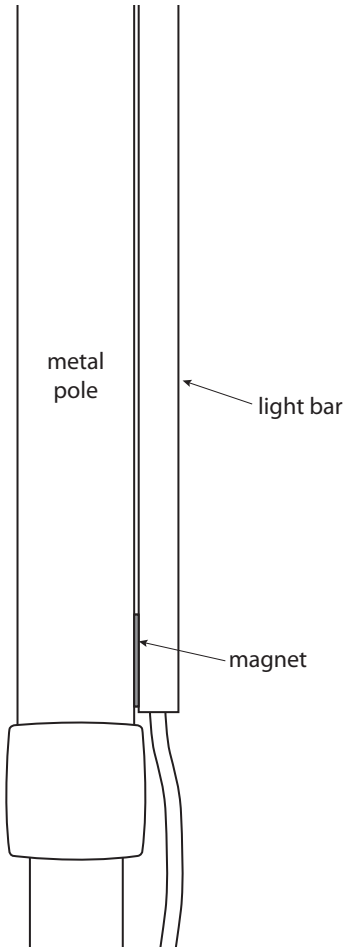
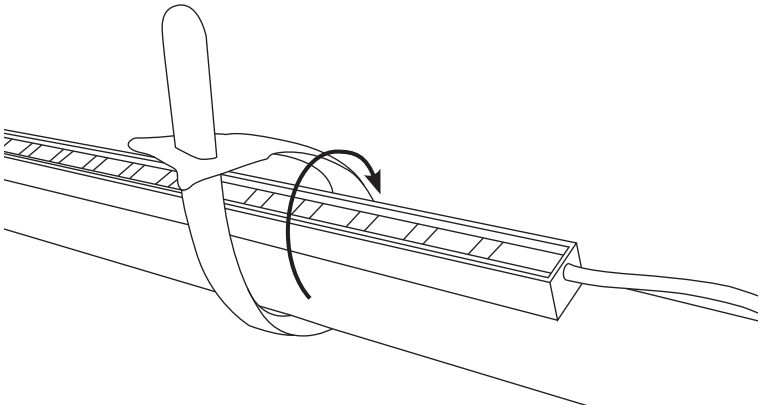
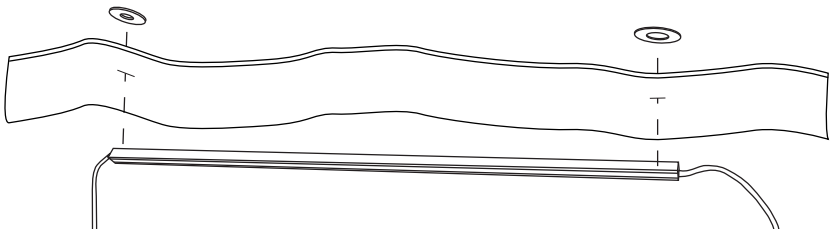
(i) Position LED Light Bar [Item 1] by either magnetising to metal object.

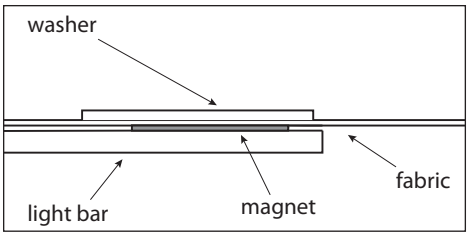


(ii) using Velcro Straps [Item 11]
Ensure leads are tucked away neatly to avoid any trip hazards.



(iii) Using a metal washer either side of awning fabric. Check washer has adequate corrosion protection so it does not stain your fabric.





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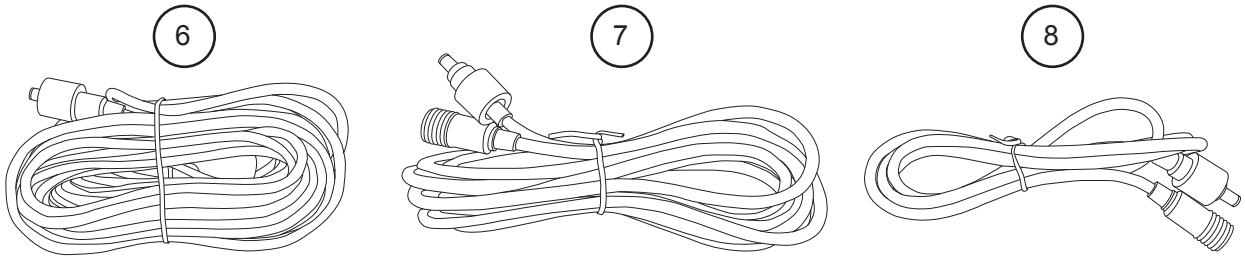
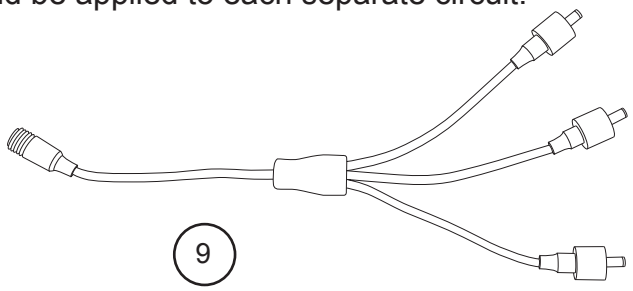
Extension leads [Item 6, 7 & 8] are to be used when additional length is required.

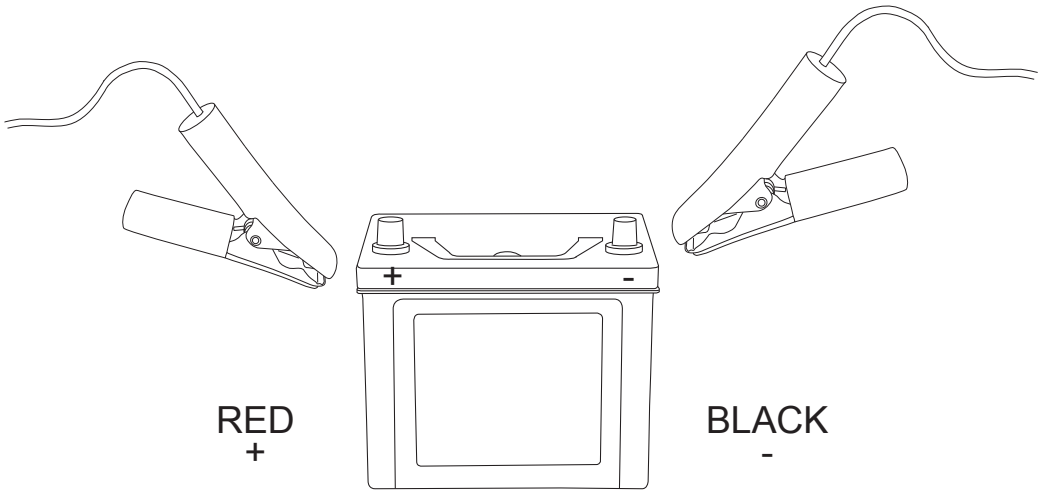


7 The Three Way Splitter [Item 9] is designed to allow lights to be set up on different circuits.
NOTE: A Dimmer Switch should be applied to each separate circuit.

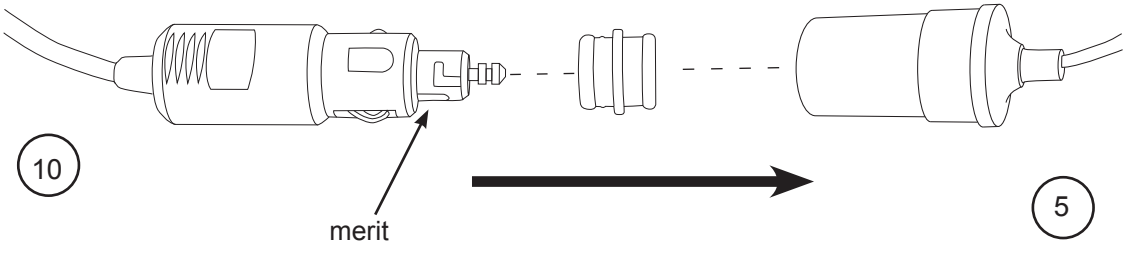


9

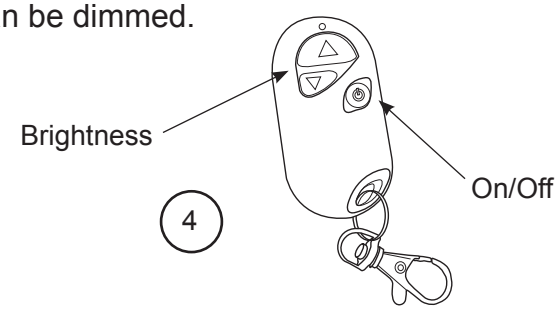
8 **Attaching Alligator Clamps [Item 5] to battery terminal.**



When using Alligator Clamps [Item 5], the 3m Cigarette Lead [Item 10] must be used to attach into the female socket.
When red collar is removed from cigarette socket it can be used to fit into merit sockets.



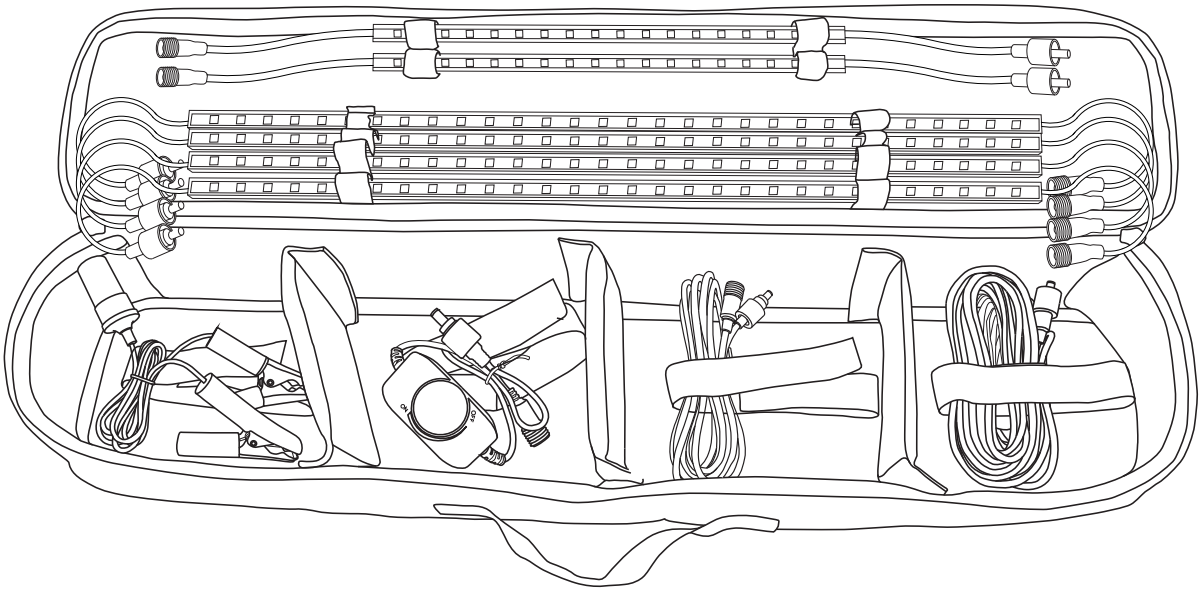
9 **Using the Remote Dimmer Kit [Item 4].**
Plug Remote Dimmer onto power supply. NOTE: This Remote Dimmer Kit [Item 4] is not weather protected and must have adequate protection from moisture and rain. Onto the other lead plug LED Light. Now using the remote, turn on the LED. Using the up and down arrows the LED can be dimmed.



Record Number of Key Remote if replacement is ever required:

Remote No. _____

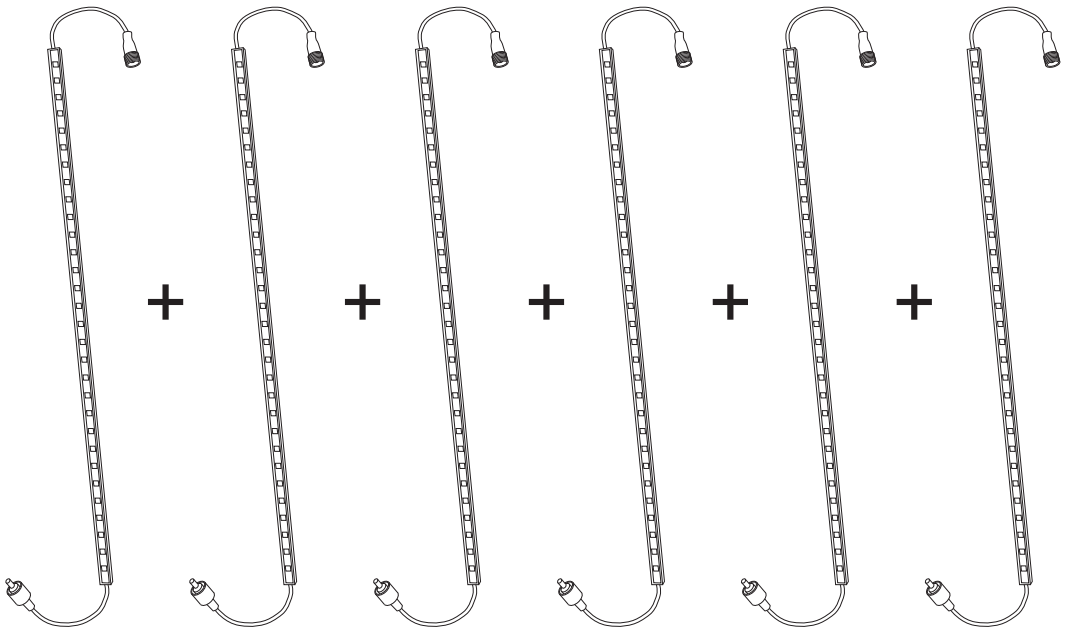
10 A Padded Carry Bag can be used to safely store all LED items. Place neatly into bag by evenly using the 4 small storage compartments. The LEDs are placed under the elastic loops and the cover is closed up. Ensure all items are dry before storing in the bag.
The velcro in the bag can be used to secure down each item.



The Carry Bag is designed so all items can easily fit back into the case after use.
Note: Compartment dividers can be removed if required.

10 Note: A maximum of 6x 50cm LED bars can be used off one circuit. Any additional bars may cause overheating and damage to the items / circuits.

MAX. 6



Troubleshooting:

1. The LED light is not illuminating when I switch it on via the manual dimmer.

Ans: (i) Check all connections are secure. Check power supply is plugged in and switched on. Note: some vehicle cigarette sockets can be a loose fit and cause problems with the connection. Try pushing the cigarette plug in further. If this still does not work you will need to use a different power source. You can connect directly to the battery using Item 5.

(ii) If it is still not working try unplugging the dimmer switch and connecting the LED directly to the power source. If it now works you have located a problem in the dimmer switch operation. Contact the nearest Rhino-Rack distributor for service.

(iii) If it is still not working, open up 3 metre cigarette socket lead using a phillips head screwdriver and check the glass tube fuse. If this is blown, replace with a 20mm 8A Fuse (F8A250V).

2. What happens if an individual LED gets damaged? Will the entire LED stop working?

Ans: No. The LED will continue working except for the damaged LED chip. Note: The LED's are arranged in lots of 3. Therefore if one is damaged, 2 others will also stop working.

3. Can the LED's be repaired if damaged?

Ans: No. As the LED's are encased in a IP68 rated resin, once they are damaged they remain like this. The LED will continue operating normally and is still fine to use.

4. The remote dimmer appears to stop working or is working intermittently.

Ans: Check all connections are secure and the power source is plugged in and turned on. If it is still not working check / replace the batteries in the hand remote by removing the back cover.

5. When using the three way splitter [Item 9] do I need to use leads on all connections?

Ans: No. You can either run 1, 2 or 3 additional circuits off the splittler. Note: a maximum of 6x 50cm LED's can be used off one power supply.

6. How do I install on my Foxwing, Sunseeker or Tag-Along Tent?

Ans: There are several ways the lights can be installed.

(i) Using the magnets at either end they can be connected to metal objects (not alloy). A small metal washer can be super glued onto your awning extrusion. Ensure it does not interfere with operation of the awning.

(ii) A metal washer can be placed on top of the fabric and the LED can be magnetised through the fabric.

(iii) Using the velcro ties it can be attached to any of the horizontal or vertical alloy poles. Ensure leads are neatly tucked away by running them behind any velcro securing tabs.