

BUSHRANGER

4x4 GEAR

NIGHT HAWK

VLI
S E R I E S

VARIABLE LIGHT INTENSITY



DRIVING LIGHTS | LIGHT BARS | WIRING SYSTEM

BUSHRANGER.COM.AU

NIGHT HAWK VLI SERIES

9" DRIVING LIGHT



175W
PER LIGHT



GENUINE
OSRAM LED'S



BRIGHTNESS
CONTROL



INTERCHANGEABLE
SPOT/FLOOD COVERS

**5 YEAR
WARRANTY**

VARIABLE
LIGHT
INTENSITY

VLI
SERIES

10,800
LUMENS | SINGLE

21,600
LUMENS | PAIR

1.3 km
1 LUX | PAIR

DURABLE EXTERIOR

Hard coated polycarbonate lens offers long term scratch resistance ensuring maximum optical efficiency for years to come. UV stable AkzoNobel powder coat, polycarbonate lens and covers ensure long term durability.

BUILT TOUGH

Pressure die-cast aluminium housing and strong, 4mm thick steel bracket will handle even the toughest tracks.

HIGH OUTPUT OSRAM LED'S

37 genuine, high output OSRAM LED's for unmatched performance. 175W and 10,800 effective lumens per light.

ACTIVE TEMPERATURE CONTROL

Intelligent onboard monitoring of the LED temperatures, combined with the superior cooling design allows for maximum output in all conditions.

SEALED TIGHT

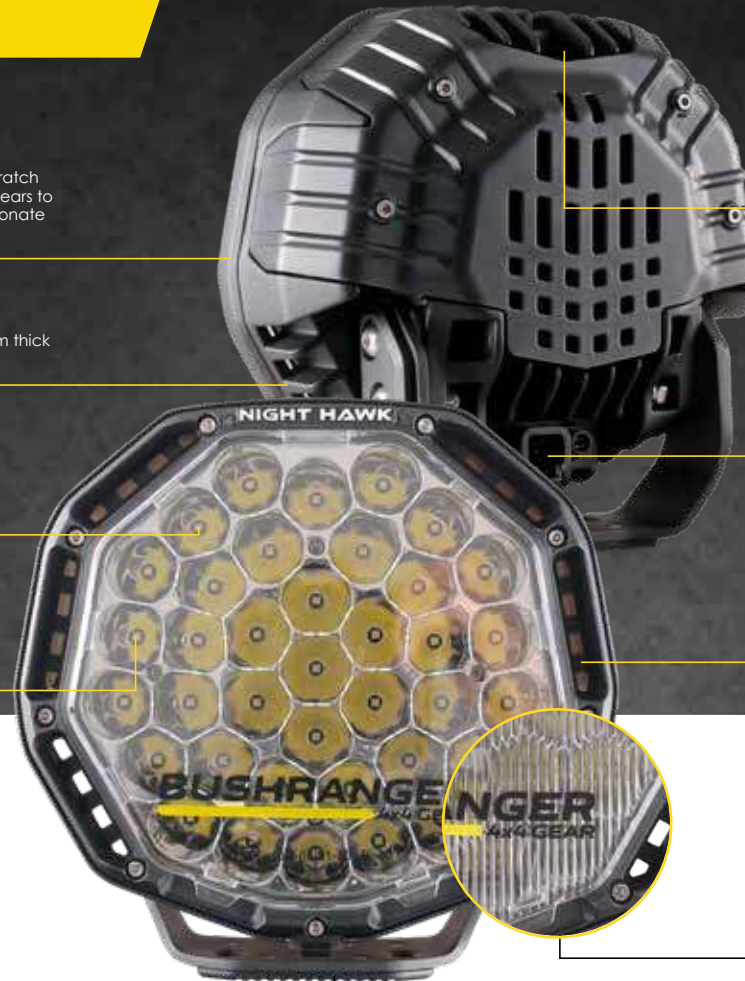
Waterproof and submersible, IP67 & IP69K rated with Genuine GORE breather, to manage the internal air pressure of the light.

MODERN ELECTRONICS DESIGN

Built in Transistor switching simplifies wiring installation by removing the need for traditional 12V relays. PWM dimming capability for brightness control at the turn of a dial. (Wiring system sold separately)

SUPERIOR COOLING DESIGN

Large air intakes channel cool air over the heatsink for unmatched cooling efficiency, allowing for the use of higher powered LED's.



CHANGEABLE BEAM PATTERN

Clip on/clip off protective covers allow for quick changes between beam patterns.

VERSATILE INSTALLATION

Unique shape and low profile design allows for diverse fits where regular 9" round lights may not suit.

SINGLE LIGHT SPECIFICATIONS

POWER	175W
CURRENT DRAW	12.2A @ 14.4V
VOLTAGE RANGE	10-30VDC
LED TYPE	37 x Genuine OSRAM LED's
LUMINOUS FLUX	10,800 lumens (effective)
COLOUR TEMPERATURE	5700K
POWER PLUG	Deutsch DTP
CONTROL PLUG	4 pin custom (use with VLI Series Wiring System, sold separately)
WEIGHT	3.1kg
COMPLIANCE	CE, UNECE, R10, IP67, IP69K, ROHS

SINGLE LIGHT

	Spot	Flood
Max distance @ 1 lux	950m	463m
Max Width @ 1 lux	52m	141m

PAIR OF LIGHTS

	Spot	Spot + Flood	Flood
Max distance @ 1 lux	1342m	1035m	636m
Max Width @ 1 lux	74m	147m	200m

NIGHT HAWK VLI SERIES 9" LED DRIVING LIGHTS

NHX230VLI Night Hawk 9" VLI Series LED Driving Light



NIGHT HAWK VLI SERIES

SINGLE ROW LIGHT BARS



GENUINE OSRAM LED'S



BRIGHTNESS CONTROL



INTERCHANGEABLE SPOT/FLOOD COVERS

5 YEAR WARRANTY

DURABLE EXTERIOR

UV stable polyester powder coat, polycarbonate lens and covers ensure long term durability to handle even the toughest Australian conditions.

HIGH OUTPUT OSRAM LED'S

Genuine, high output OSRAM LED's for unmatched performance.

SEALED TIGHT

Waterproof and submersible, IP67 & IP69K rated with Genuine GORE breather, to manage the internal air pressure of the light.

BUILT TOUGH

Extruded, 6061 aircraft grade aluminium housing and cast alloy mounting foot offers long term strength and durability

VERSATILE INSTALLATION

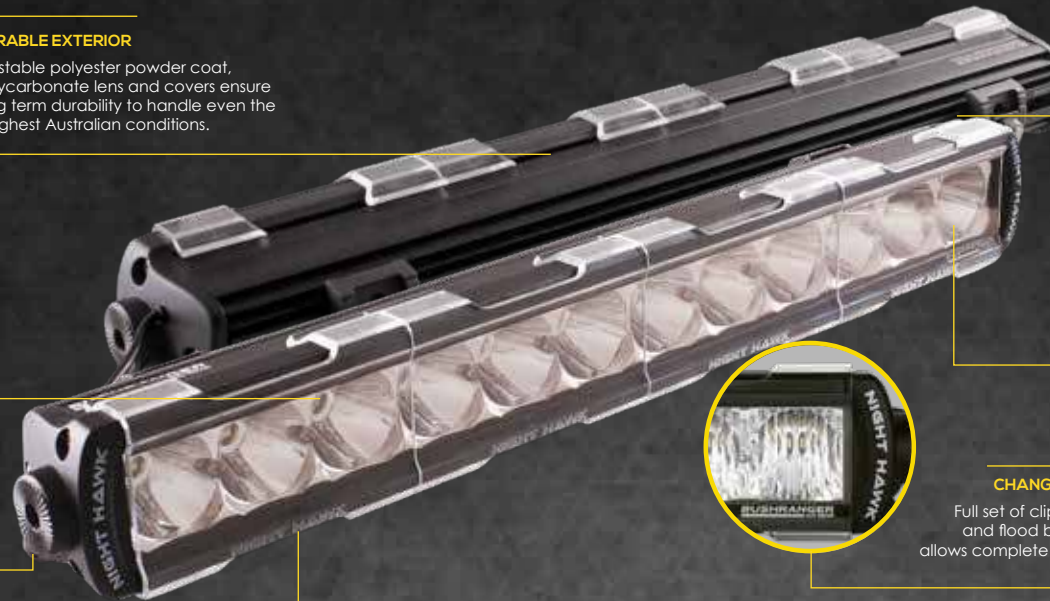
Lightweight and low profile design with highly adjustable sliding mounting feet allows for diverse fitment.

MODERN ELECTRONICS DESIGN

Built in Transistor switching simplifies wiring installation by removing the need for traditional 12V relays. PWM dimming capability for brightness control at the turn of a dial. (Wiring system sold separately)

CHANGEABLE BEAM PATTERN

Full set of clip on/clip off spot beam and flood beam protective covers allows complete customisation of beam pattern.



NIGHT HAWK VLI SERIES LIGHT BARS

Part No.	Power	Current Draw @ 14.4v	Voltage Range	Genuine OSRAM LED Qty	Lumens (effective)	Colour Temp.	Power Plug	Weight (kg)	Overall Length (L)	Mounting Hole Adjustment Range (D)	No. of Covers	Mounting Feet	Max Distance @ 1lux (Spot)	Max Primary Beam Width @ 1 lux (Spot)	Max Distance @ 1lux (Flood)	Max Primary Beam Width @ 1 lux (Flood)
NHT055VLI	13W	0.9A	10-30VDC	3	910	5700K	Deutsch DT	0.50	141	66	1	1	267	15	126	39
NHT130VLI	39W	2.7A	10-30VDC	9	2750	5700K	Deutsch DT	1.10	333	258	3	2	462	26	218	69
NHT170VLI	52W	3.6A	10-30VDC	12	3670	5700K	Deutsch DT	1.35	429	354	4	2	534	30	252	79
NHT205VLI	63W	4.4A	10-30VDC	15	4590	5700K	Deutsch DT	1.60	525	450	5	2	597	34	282	89
NHT245VLI	78W	5.4A	10-30VDC	18	5510	5700K	Deutsch DT	1.85	621	546	6	2	654	38	309	96
NHT280VLI	90W	6.3A	10-30VDC	21	6420	5700K	Deutsch DT	2.10	717	642	7	2	706	40	334	105
NHT320VLI	102W	7.1A	10-30VDC	24	7340	5700K	Deutsch DT	2.35	813	738	8	2	755	43	357	112
NHT395VLI	129W	9.0A	10-30VDC	30	9180	5700K	Deutsch DT	3.00	1005	930mm	10	3	844	48	399	125
NHT435VLI	141W	9.8A	10-30VDC	33	10100	5700K	Deutsch DTP	3.25	1101	1026mm	11	3	886	51	418	132
NHT510VLI	170W	11.8A	10-30VDC	39	11940	5700K	Deutsch DTP	3.75	1292	1218mm	13	3	963	55	454	143



7 x BRIGHTNESS
SETTINGS



EASY UNIVERSAL
FITMENT



CONTROL UP
TO 4 LIGHTS



RELAY-FREE
DESIGN

5 YEAR
WARRANTY

NIGHT HAWK VLI SERIES VLI WIRING SYSTEM

Simpler wiring, easier installation, more user control and greater reliability over the traditional plug and play wiring loom. The commonly used automotive 12V relay is removed entirely and replaced with modern transistor switching, which is built into the light and the control module. Each light is powered directly from the battery, rather than through a relay, meaning there are no power restrictions for the wiring system, which is a common limitation with traditional relay-based wiring looms. Up to 4 x Bushranger Night Hawk VLI Series LED lights can be controlled by 1 wiring system and any combination of models/sizes can be used.

SOFT START PROGRAMMING

The soft start feature programmed into the control module gradually increases the light intensity over the first second of operation to reduce eye strain and flash blindness that commonly occurs when switching into high beam mode with high intensity LED lights fitted. It also extends the life of the electronics by reducing the sudden shock load that occurs when high output LED's change instantly from off to on.



PLUG & PLAY CONNECTORS

The wiring system uses control leads with waterproof plugs which quickly and easily join together to allow plenty of flexibility when routing from the control module to the VLI lights.

PWM BRIGHTNESS CONTROL

The control module uses a Pulse Width Modulation (PWM) signal to control the brightness of all VLI series lights connected to the system. It allows the option of 7 x brightness settings which can be quickly changed at the turn of a dial to suit the conditions



NIGHT HAWK VLI SERIES WIRING SYSTEM & ACCESSORIES

NHW20VLI	VLI Wiring System
NHWA01L15	Control Lead - 1.5m
NHWA01L30	Control Lead - 3.0m
NHWA02HB3	HB3 Headlight Adaptor
NHWA02H4	H4 Headlight Adaptor
NHWA02D23	Nissan Navara D23 NP300 LED Headlight Adaptor
NHWA03FTM	Fuse Tap - Mini Fuse
NHWA03FTS	Fuse Tap - Standard Fuse

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