

Edition 4

# MINING LIGHTING



[www.ultra-vision.com.au](http://www.ultra-vision.com.au)

# CONTENT

This 2017 edition of the Ultra Mine Catalogue show-cases our latest developments within the LED lighting sector, incorporating a number of new products.

Our manufacturing base has grown significantly and we now do in-house electronics production and assembly for the majority of our products. This makes us versatile to adaptations within the market but also ensures we retain total control of the quality and ultimately the performance of the products.

A new purpose built factory will further streamline our processes and facilitate our focus on R&D and OEM projects. If you have a specific project, or unsolved lighting issues, call us to discuss your requirements.



Many of our products are Made in Australia - Keep your eye open for this logo.

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WHEN  
PERFORMANCE  
MEANS MORE THAN  
THE BRAND

## Ultra Vision Lighting

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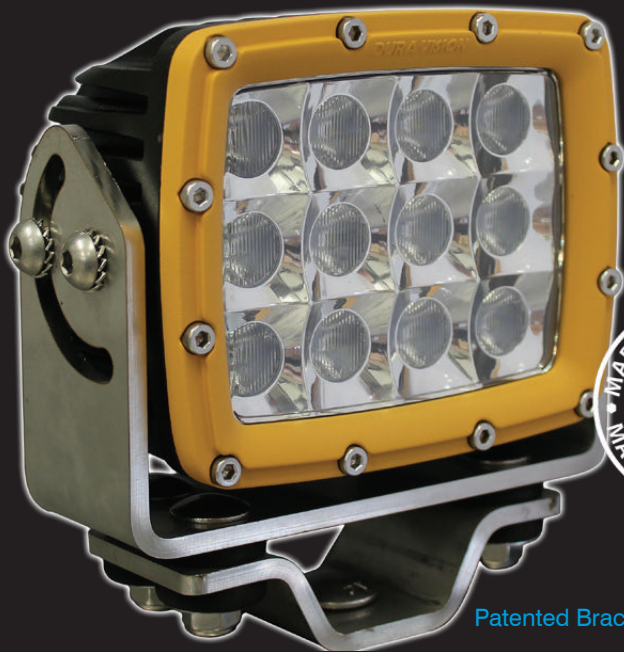
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## ENFORCER



Patented Bracket Design

The Dura Vision Enforcer 60w LED work lamp offers the latest in high powered LED technology, designed for use on heavy duty mining vehicles.

With a compact design, waterproof to IP69 and vibration ratings of 25G RMS the Enforcer provides lighting solutions in the most demanding environments.

Electronic Thermal management ensures a minimum of 50'000 working hours is achieved, even when used continuously. Utilising a 5mm stainless steel bracket with 145° of adjustment the Enforcer is one of the most versatile lamps available.

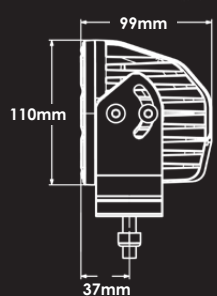
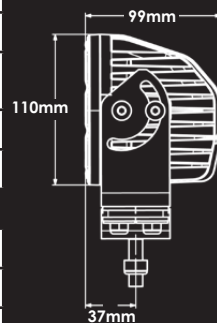
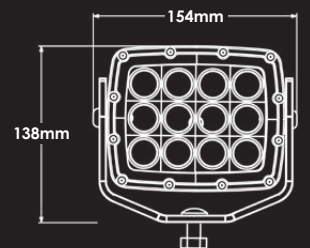
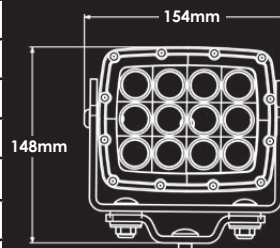
The Enforcer is also available as a 24V only option to deter theft of lamps on site.



SPECIFICATIONS	STANDARD	LOW PROFILE
Wattage	60 Watt	60 Watt
Light Source	12 x 5W L.E.D's	12 x 5W L.E.D's
Light Output (raw)	6180 Lumens	6180 Lumens
Light Output (effective)	5250 Lumens	5250 Lumens
Voltage	9V-32V DC or 24V DC only	9V-32V DC or 24V DC only
Current Draw	2.5A @ 24V DC	2.5A @ 24V DC
Operating Temp.	-40°C to +85°C	-40°C to +85°C
Vibration	25G rms	20G rms
IP Rating	IP69	IP69
Connector Type	Deutsch DT 2 Pin	Deutsch DT 2 Pin
Housing	Die-Cast Alloy	Die-Cast Alloy
Lens Construction	Polycarbonate	Polycarbonate
Bracket	5mm 316 S/Steel	5mm 316 S/Steel
Lifespan	50'000 Hours	50'000 Hours
Net Weight	2.5 kg	2.3 kg
Mounting Suitable	All types	All types
Beams Available	Wide Flood, Flood & Euro Beam	Wide Flood, Flood & Euro Beam
Warranty	5 Years	5 Years
Dimming Control	Yes (Optional)	Yes (Optional)
PART NUMBERS	STANDARD	LOW PROFILE
Euro Beam - Multivolt	DV512LEDEU/S	DV512LEDEU/C
Wide Flood Beam - Multivolt	DV512LEDWF/S	DV512LEDWF/C
Flood Beam - Multivolt	DV512LEDFB/S	DV512LEDFB/C
Euro Beam - 24V	DV512LED24EU/S	DV512LED24EU/C
Wide Flood Beam - 24V	DV512LED24WF/S	DV512LED24WF/C
Flood Beam - 24V	DV512LED24FB/S	DV512LED24FB/C

Standard

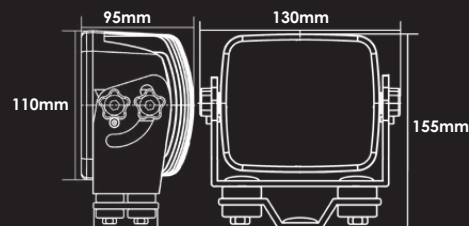
Low Profile



## INVADER



Patented Bracket Design



### CUSTOMISED MOUNTING OPTIONS

Discuss your special requirements with us, so we can find you a solution.

#### CASE STUDY:

The lamp mounting system shown above was designed for a customer who needed a lighting solution for when they were cleaning the inside of metal tanks. The mounting bracket shown above has magnets on the 4 legs, allowing the lamp to be attached to the inside of the tank without the it having to be permanently mounted.

### SPECIFICATIONS

<b>Wattage</b>	50 Watt
<b>Light Source</b>	5 x 10W Cree L.E.D's
<b>Light Output (raw)</b>	5260 Lumens
<b>Light Output (effective)</b>	4480 Lumens
<b>Voltage</b>	10V-40V DC
<b>Current Draw</b>	2.3A @ 24V DC
<b>Operating Temp.</b>	-40°C to +85°C
<b>Vibration</b>	25G rms*
<b>IP Rating</b>	IP68
<b>Connector Type</b>	Deutsch DT 2 Pin
<b>Housing</b>	Die-Cast Alloy
<b>Lens Construction</b>	Polycarbonate
<b>Bracket</b>	5mm 316 S/Steel
<b>Lifespan</b>	50'000 Hours
<b>Net Weight</b>	2.0kg
<b>Mounting Suitable</b>	Upright & Pendent
<b>Beams Available</b>	Wide Flood, Flood & Euro

PART NUMBERS	MULTI-VOLT	24 VOLT
<b>Euro Beam</b>	DV550LEDEU/Y	DV550LED24EU/Y
<b>Wide Flood Beam</b>	DV550LEDWF/Y	DV550LED24WF/Y
<b>Flood Beam</b>	DV550LEDFB/Y	DV550LED24FB/Y

## ATOM

Dura Vision ATOM LED work lamps have proved their high performance and rugged construction in some of the most harsh environments. Available in 3 output options, the Atoms cover a wide range of applications from work lights on light vehicles to lighting stairways, gangways and service areas on large machines. Their high light output relative to size, along with their IP68 waterproof rating, makes them extremely versatile.



### PART NUMBERS

Wide Flood	DVA10LEDWF
Euro Beam	DVA10LEDEU

### 10W

#### SPECIFICATIONS

Wattage	10 Watt
Light Source	1 x 10W Cree L.E.D.'s
Light Output (raw)	1040 Lumens
Light Output (effective)	950 Lumens
Voltage	9V-50V DC
Current Draw	0.83A @ 12V
IP Rating	IP68
Connector Type	Deutsch DT 2 Pin
Housing	Die-Cast Aluminium
Lifespan	50'000 Hours
Warranty	3 Years
Beams Available	Euro & Flood Beam



### PART NUMBERS

Wide Flood	DVA20LEDWF
Euro Beam	DVA20LEDEU

### 20W

#### SPECIFICATIONS

Wattage	20 Watt
Light Source	2 x 10W Cree L.E.D.'s
Light Output (raw)	2080 Lumens
Light Output (effective)	1800 Lumens
Voltage	9V-50V DC
Current Draw	1.6A @ 12V
IP Rating	IP68
Connector Type	Deutsch DT 2 Pin
Housing	Die-Cast Aluminium
Lifespan	50'000 Hours
Warranty	3 Years
Beams Available	Euro & Flood Beam



### PART NUMBERS

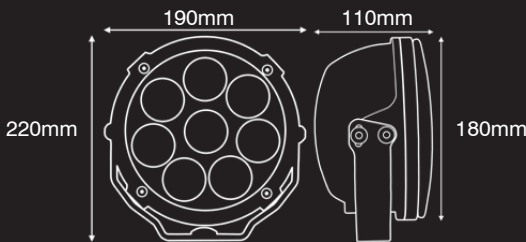
Wide Flood	DV500LEDWF
Euro Beam	DV500LEDEU

### 50W

#### SPECIFICATIONS

Wattage	50 Watt
Light Source	5 x 10W Cree L.E.D.'s
Light Output (raw)	4800 Lumens
Light Output (effective)	3980 Lumens
Voltage	9V-32V DC
Current Draw	4.2A @ 12V
IP Rating	IP68
Connector Type	Deutsch DT 2 Pin
Housing	Die-Cast Aluminium
Lifespan	50'000 Hours
Warranty	3 Years
Beams Available	Euro & Flood Beam

# ULTRA



## NITRO 80W

Built in Australia, the 80W Nitro delivers outstanding performance. Utilising an open optic the Nitro 80 gives an exceptional combination beam, delivering 600m of functional driving light, but also significant spread light. The stainless steel mounting system makes adjustment simple, but able to withstand high levels of vibration. Clear lens covers, a wiring harness and anti-theft nuts are included with every pair.

SPECIFICATIONS	80 Watt
Wattage	80 Watt
Light Source	10W Cree L.E.D's
Light Output - Raw	8415 Lumens/lamp
Light Output - Effective	7400 Lumens/lamp
Voltage	9V-36V
Current Draw	7.3A @ 13.5V
Operating Temp.	-40°C to +85°C
Waterproof Rating	IP68
Connector Type	Deutsch DT 2 Pin
Housing	Die-Cast Alloy
Lens Construction	Polycarbonate
Bracket	Steel Easy Adjust
Colour	6000K
Lifespan	50'000 Hours
Diameter	180mm
Net Weight	2.3kg
Beams Available	Combo Pencil
Warranty	5 Years

### PART NUMBERS

Black Housing	PV1880LEDB
Black Housing   Chrome Rim	PV1880LEDR

## ACCESSORIES

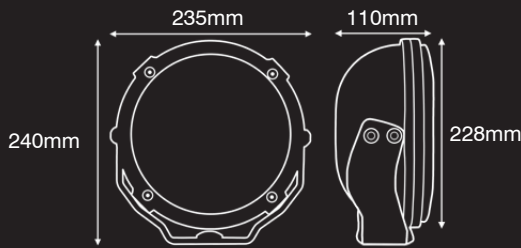
### ANTI-THEFT NUTS



THREAD SIZE	SUITS	PART No.
M10 (10mm)	Driving Lights/Work Lamps	PV4ATN
M8 (8mm)	Small Work Lamps	PV8ATN
M6 (6mm)	LED Light Bars	PV6ATN



## NITRO 120W



**1000M**  
USEABLE LIGHT



The NITRO 120 Maxx L.E.D Driving Lights are the latest addition to the Power Vision driving light range. Utilizing a robust high pressure die-cast aluminium housing, high impact polycarbonate lens and superior optics, the NITRO is in a class of its own. All pairs of Nitro lamps come complete with an easy adjust heavy duty mounting bracket, clear lens covers, a wiring harness and anti-theft nuts for peace of mind.

SPECIFICATIONS	120 Watt
Wattage	120 Watt
Light Source	5W Cree L.E.D's
Light Output - Raw	12360 Lumens/lamp
Light Output - Effective	10600 Lumens/lamp
Voltage	9V-60V
Current Draw	8.8A @ 13.5V
Operating Temp.	-40°C to +80°C
Waterproof Rating	IP68
Connector Type	Deutsch DT 2 Pin
Housing	Die-Cast Alloy
Lens Construction	Polycarbonate
Bracket	5mm Stainless Steel
Colour	6000K
Lifespan	50'000 Hours
Diameter	228mm
Net Weight	3.3kg
Mounting Suitable	All Types
Beams Available	Pencil & Spread Beam
Warranty	5 Years

PART NUMBERS	
Combo Beam	PVM2312LEDC
Spread Beam	PVM2312LEDS

## TUBE CLAMPS



TUBE SIZE	COLOUR	PART No.
49mm - 53mm	Black	PV50BKTB
49mm - 53mm	Silver	PV50BKTS
64mm - 67mm	Black	PV64BKTB
64mm - 67mm	Silver	PV64BKTS
76mm - 81mm	Black	PV76BKTB
76mm - 81mm	Silver	PV76BKTS



## WIRING HARNESSES

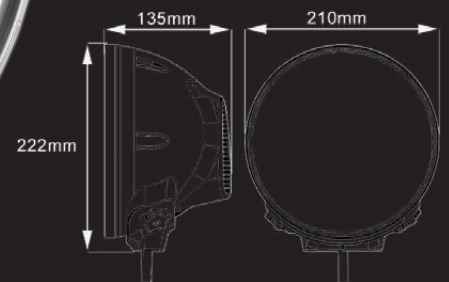
NORMAL & HEAVY DUTY

CONNECTOR	SUITS	VOLTAGE	PART No.
2 x Deutsch (2 pin)	HID 35W & 55W	12V	PVQ12H
2 x Deutsch (2 pin)	HID 35W & 55W	24V	PVQ24H
2 x Deutsch (2 pin)	HID 70W	12V	PVQ12HD
2 x Deutsch (2 pin)	HID 70W	24V	PVQ24HD
2 x Deutsch (2 pin)	Nitro 60W, 80W	12V	PVN12H
2 x Deutsch (2 pin)	Nitro 60W, 80W	24V	PVN24H
2 x Deutsch (2 pin)	Nitro 120W	12V	PVN12HD
2 x Deutsch (2 pin)	Nitro 120W	24V	PVN24HD
1 x Deutsch (2 pin)	60W, 100W & 120W	12V	DV12H
1 x Deutsch (2 pin)	60W, 100W & 120W	24V	DV24H
1 x Deutsch (2 pin)	180W, 240W & 260W	12V	DV12HD
1 x Deutsch (2 pin)	180W, 240W & 260W	24V	DV24HD

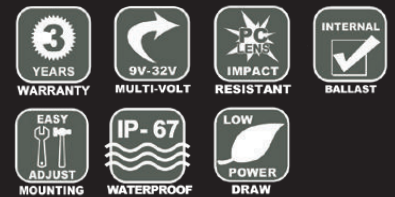
# ULTRA

## QUATTRO ELITE

The Quattro Elite HID driving light has proved its reliability in harsh environments for many years. Built in Australia, the Elite combines high-tech materials to ensure a long and trouble free life with maximum light output. With a multi-volt, internal ballast the Elite can be used across a wide range of vehicles. The Elite has a rugged but easy-adjust mounting system, designed to withstand the worst conditions. Supplied with a polycarbonate lens cover and Deutsch wiring harness.



SPECIFICATIONS	35 Watt	55 Watt	70 Watt
<b>Wattage</b>	35 Watt	55 Watt	70 Watt
<b>Light Source</b>	H.I.D Xenon	H.I.D Xenon	H.I.D Xenon
<b>Voltage</b>	9V-32V DC	9V-32V DC	9V-32V DC
<b>Current Draw</b>	3.75A @ 12V	4.53A @ 12V	5.35A @ 12V
<b>Operating Temp.</b>	-40°C to +85°C	-40°C to +80°C	-40°C to +80°C
<b>Connector Type</b>	Deutsch DT 2 Pin	Deutsch DT 2 Pin	Deutsch DT 2 Pin
<b>Housing</b>	Polyamide (Nylon)	Polyamide (Nylon)	Polyamide (Nylon)
<b>Lens Construction</b>	Polycarbonate	Polycarbonate	Polycarbonate
<b>Reflector</b>	Aluminium	Aluminium	Aluminium
<b>Bracket</b>	Alloy Easy Adjust	Alloy Easy Adjust	Alloy Easy Adjust
<b>Colour</b>	6000K Standard*	6000K Standard*	6000K Standard*
<b>Lifespan</b>	± 3000 Hours	± 3000 Hours	± 3000 Hours
<b>Diameter</b>	210mm	210mm	210mm
<b>Net Weight</b>	2kg	2kg	2kg
<b>Mounting Suitable</b>	Upright & Pendent	Upright & Pendent	Upright & Pendent
<b>Beams Available</b>	Pencil & Spread	Pencil & Spread	Pencil & Spread
<b>Warranty</b>	3 Years	3 Years	3 Years
<b>Harness Included</b>	Yes**	Yes**	Yes**
PART NUMBERS	35 Watt	55 Watt	70 Watt
<b>Pencil Beam - 6000K</b>	PVQ2100P6	PVQ2100MP6	PVQ2100M7P6
<b>Spread Beam - 6000K</b>	PVQ2100S6	PVQ2100MS6	PVQ2100M7S6
<b>Pencil Beam - 4300K</b>	PVQ2100P4	PVQ2100MP4	PVQ2100M7P4
<b>Spread Beam - 4300K</b>	PVQ2100S4	PVQ2100MS4	PVQ2100M7S4



\* Also available in 4300K

\*\* Wiring Harness is only supplied with each pair (2) driving lights purchased

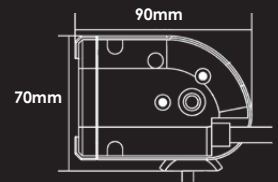
## TORNADO



Utilising 10W LED's and sophisticated combination optics, the ratio of size to light output is exceptional. Being supplied with both side and base-mounts ensures the Tornado can be fitted easily to most bars.

The Maxx Series feature the latest improvements in LED technology, incorporating a PCB made in Australia, along with the renowned Reflex optics, producing even more light.

**MAXX**



SPECIFICATIONS	60W	100W	120W	180W	260W	240W
<b>Wattage</b>	60 Watt	100 Watt	120 Watt	180 Watt	260 Watt	240 Watt
<b>Light Source - L.E.D</b>	6 x 10W Cree	10 x 10W Cree	12 x 10W Cree	18 x 10W Cree	26 x 10W Cree	24 x 10W Cree
<b>Light Output (raw)</b>	6300 Lumens	10'500 Lumens	12'600 Lumens	18'900 Lumens	27'300 Lumens	25'200 Lumens
<b>Light Output (effective)*</b>	3878 Lumens	6468 Lumens	7756 Lumens	11'641 Lumens	16'814 Lumens	15'519 Lumens
<b>Light Output (effec.)* - MAXX</b>	5540 Lumens	9240 Lumens	11'080 Lumens	16'630 Lumens	24'020 Lumens	22'170 Lumens
<b>Voltage</b>	9V-48V DC	9V-48V DC	9V-48V DC	9V-48V DC	9V-48V DC	9V-48V DC
<b>Current Draw</b>	5A @ 12V	8.3A @ 12V	10A @ 12V	15A @ 12V	22A @ 12V	20A @ 12V
<b>Operating Temp.</b>	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C	-40°C to +80°C
<b>Vibration</b>	15G rms	15G rms	15G rms	15G rms	15G rms	15G rms
<b>IP Rating</b>	IP68	IP68	IP68	IP68	IP68	IP68
<b>Connector Type</b>	Deutsch DT 2 Pin	Deutsch DT 2 Pin	Deutsch DT 2 Pin	Deutsch DT 2 Pin	Deutsch DT 2 Pin	Deutsch DT 2 Pin
<b>Housing</b>	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
<b>Lifespan</b>	50'000 Hours	50'000 Hours	50'000 Hours	50'000 Hours	50'000 Hours	50'000 Hours
<b>Net Weight</b>	1.5 kg	2.4 kg	2.8 kg	4.0 kg	5.6 kg	3.3 kg
<b>Length</b>	277mm	436mm	516mm	755mm	1074mm	516mm
<b>Warranty</b>	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years
<b>LED Warranty - MAXX</b>	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years
<b>Beams Available</b>	Combo Beam	Combo Beam	Combo Beam	Combo Beam	Combo Beam	Combo Beam
<b>PART NUMBERS</b>	DVS106LEDC	DVS110LEDC	DVS112LEDC	DVS118LEDC	DVS126LEDC	DVD124LEDC
<b>PART NUMBERS - MAXX</b>	DVM106LEDC	DVM110LEDC	DVM112LEDC	DVM118LEDC	DVM126LEDC	DVM124LEDC

Data valid as of January 2016

\* This is a guide only, see beam patterns on our website for actual beam distances.

The Mine Master has been designed as an energy efficient alternative for all MH & HPS lamps.

The Mine Master II is housed in the toughest extrusion available on the market and rated to 15.8g/rms and waterproof to IP69. The lamps are built in Australia and designed to withstand the worst conditions, covered by a 5 year warranty.

The Mine Master II has been designed for use on lighting towers, crusher plants, heavy machinery and similar applications. The technology used in the electronic circuitry allows the unit to operate at over 110 lumens/watt, making it one of the most efficient on the market.

The use of optics controls the light to a high degree, ensuring that the light produced is directed to where you need it most. Having 6 options of beam pattern ensures every application is covered.



### EXCELLENT FOR:

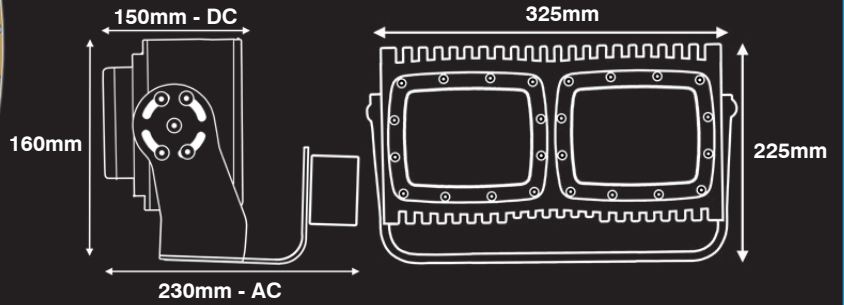
- Lighting Towers
- Area Flood Lighting
- Heavy Machinery Lighting
- Ship Yards
- Fishing Vessels
- Oil Rigs
- Security Flood Lighting



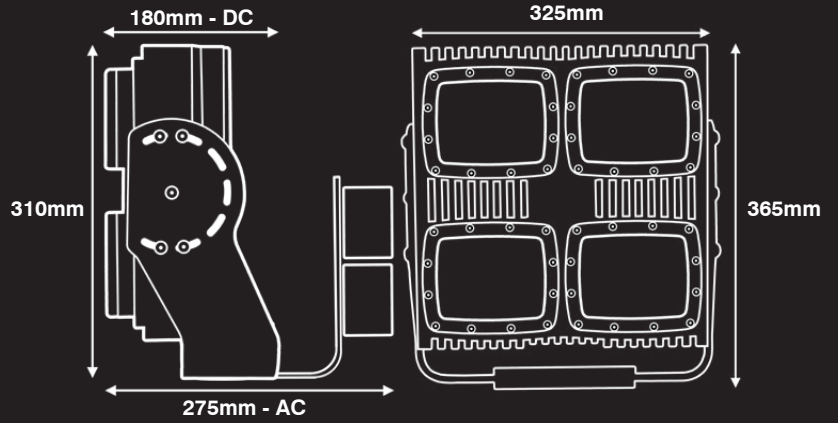
SPECIFICATIONS	180W		360W		540W	
<b>Wattage</b>	180 Watt		360 Watt		540 Watt	
<b>Light Source</b>	10W Cree L.E.D's		10W Cree L.E.D's		10W Cree L.E.D's	
<b>Light Output (Raw)</b>	28'800 Lumens		57'600 Lumens		86'400 Lumens	
<b>Light Output (Effective)</b>	19'900 Lumens @ 70°C		39'840 Lumens @ 70°C		59'760 Lumens @ 70°C	
<b>Voltage (AC)</b>	90V - 305V AC		90V - 305V AC		90V - 305V AC	
<b>Voltage (DC)</b>	9V - 40V DC*		9V - 40V DC*		9V - 40V DC*	
<b>Current Draw</b>	8A @ 24V DC		15A @ 24V DC		24A @ 24V DC	
<b>Operating Temp. AC</b>	-40°C to +70°C		-40°C to +70°C		-40°C to +70°C	
<b>Operating Temp. DC</b>	-40°C to +85°C		-40°C to +85°C		-40°C to +85°C	
<b>Vibration</b>	15G rms		15G rms		15G rms	
<b>IP Rating</b>	IP69		IP69		IP69	
<b>Connector Type</b>	Deutsch DT 2 Pin		Deutsch DT 2 Pin		Deutsch DT 2 Pin	
<b>Housing</b>	Extruded Aluminum		Extruded Aluminum		Extruded Aluminum	
<b>Lens Construction</b>	Polycarbonate		Polycarbonate		Polycarbonate	
<b>Bracket</b>	6mm Stainless Steel		6mm Stainless Steel		6mm Stainless Steel	
<b>Lifespan</b>	50'000 Hours		50'000 Hours		50'000 Hours	
<b>Net Weight</b>	7.5 kg		14 kg		20 kg	
<b>Mounting Suitable</b>	All types		All types		All types	
<b>Beams Available</b>	10°, 25°, 40°, 60°, 70° & 110°		10°, 25°, 40°, 60°, 70° & 110°		10°, 25°, 40°, 60°, 70° & 110°	
<b>Warranty</b>	5 Years		5 Years		5 Years	
<b>Dimming Control</b>	Yes (Optional)		Yes (Optional)		Yes (Optional)	
<b>PART NUMBERS</b>	<b>180W - AC</b>	<b>180W - DC</b>	<b>360W - AC</b>	<b>360W - DC</b>	<b>540W - AC</b>	<b>540W - DC</b>
<b>10° AC Flood Light</b>	DV180LED1A	DV180LED1D	DV360LED1A	DV360LED1D	DV540LED1A	DV540LED1D
<b>25° AC Flood Light</b>	DV180LED3A	DV180LED3D	DV360LED3A	DV360LED3D	DV540LED3A	DV540LED3D
<b>40° AC Flood Light</b>	DV180LED4A	DV180LED4D	DV360LED4A	DV360LED4D	DV540LED4A	DV540LED4D
<b>60° AC Flood Light</b>	DV180LED6A	DV180LED6D	DV360LED6A	DV360LED6D	DV540LED6A	DV540LED6D
<b>70° AC Flood Light</b>	DV180LED7A	DV180LED7D	DV360LED7A	DV360LED7D	DV540LED7A	DV540LED7D
<b>110° AC Flood Light</b>	DV180LED11A	DV180LED11D	DV360LED11A	DV360LED11D	DV540LED11A	DV540LED11D

\* Higher Voltage on Application

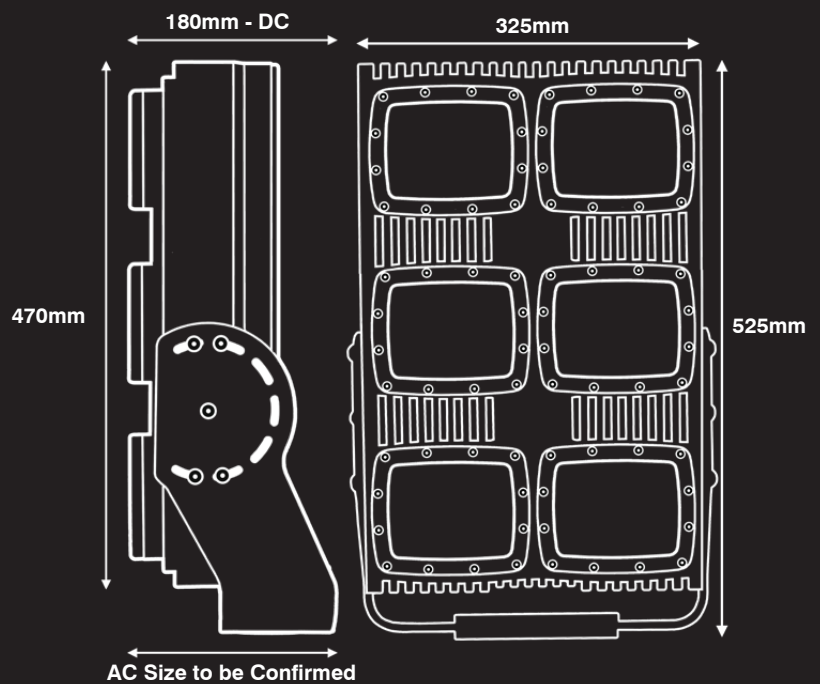
## 180W



## 360W



## 540W



# ULTRA

## FLARE

The Flare is the most versatile mine-spec LED tube lamp available on the market. Mounted in a high-impact-resistant tube and waterproof to IP68 the Flare provides an extremely rugged and slimline luminaire. The use of Deutsch connectors on both ends facilitates linking them together in a daisy-chain but they can also be used in isolation. The lamp produces a bright, 180° flood of light and is suitable for a wide range of applications including engine bays, walkways and conveyor systems. The modules can easily be mounted by spring clips or clamps.



PART NUMBERS	LUMENS (effec.)	WATTAGE	VOLTAGE	CURRENT	LENGTH	DIAMETER
DVF05LED24-2	700 Lumens	5 Watt	20V - 30V DC	0.21A	340mm	20mm
DVF10LED24-2	1400 Lumens	10 Watt	20V - 30V DC	0.42A	620mm	20mm
DVF15LED24-2	2100 Lumens	15 Watt	20V - 30V DC	0.62A	900mm	20mm
DVF20LED24-2	2800 Lumens	20 Watt	20V - 30V DC	0.83A	1180mm	20mm
DVF05LED24-3	700 Lumens	5 Watt	20V - 30V DC	0.21A	340mm	35mm
DVF10LED24-3	1400 Lumens	10 Watt	20V - 30V DC	0.42A	620mm	35mm
DVF15LED24-3	2100 Lumens	15 Watt	20V - 30V DC	0.62A	900mm	35mm
DVF20LED24-3	2800 Lumens	20 Watt	20V - 30V DC	0.83A	1180mm	35mm

Please Note: If you require only a single plug, please add '-1' to the end of the part number

## LED MEANWELL DRIVERS

LED Drivers are available to operate the Flare from a 240V AC source. Please refer to table for drivers available. Tubes can be daisy chained and powered off one driver.

PART No.	WATTAGE	VOLTAGE	PART No.	WATTAGE	VOLTAGE
DLX80	80 Watts	90V - 285V AC	DLX185	185 Watts	90V - 285V AC
DLX120	120 Watts	90V - 285V AC	DLX240	240 Watts	90V - 285V AC
DLX150	150 Watts	90V - 285V AC	DLX320	320 Watts	90V - 285V AC

## ULTRA CLAMPS

We offer a range of clamps. Call us if you require one for a special application.

SERIES	SIZE	DESCRIPTION	PART No.
Standard	20mm	Standard Single Mount Clamp	SCS20
Heavy	20mm	Heavy Duty Single Mount Clamp with Rubber Mount	SCS20HD
Twin Standard	20mm & 20mm	Standard Twin Mount Clamp	SCD20
Twin Heavy	20mm & 20mm	Heavy Duty Twin Mount Clamp with Rubber Mount	SCD20HD
ACT Clamps	20mm	Anti Corrosion Technology - Single Mount	SCS20ACT
Hand Rail Clamp	20mm & 32mm	Suitable for Mounting a Single Tube to Hand Rails	SCS20HR



## LED HAND RAIL LIGHTING

This self-contained solar powered system has many applications where lighting is required in remote zones. Featuring high efficiency LED lighting and long-life battery packs, this system is designed for harsh environments and is cyclone rated to Category 4. Solarlux is a modular concept that allows customisation for each application. Discuss your application with our engineers



Patented Design



### LAMP SPECS.

Wattage	6 Watt
Light Source	32 L.E.D.'s
Light Output	500 Lumens
Voltage	9V-30V DC
Current Draw	0.5A @ 12V
Operating Temp.	-40°C to +60°C
Vibration	8G rms
IP Rating	IP68
Connector Type	DT Plug
Housing	Polycarbonate
Bracket	Stainless Steel
Lifespan	50'000 Hours

### BATTERY SPECS.

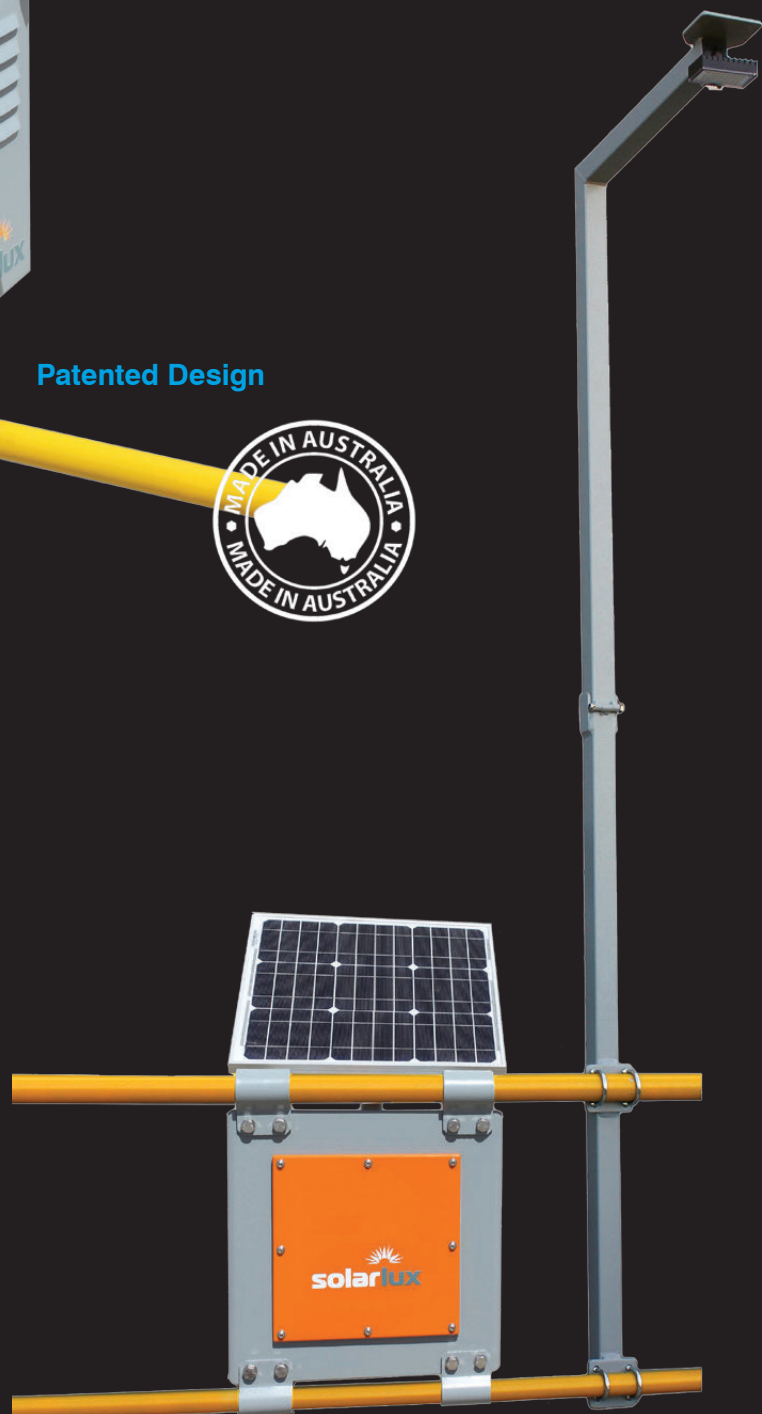
Voltage	12V DC
Battery Type	VRLA Gel
Construction	ABS

### SOLAR PANEL SPECS.

Rated Power at STC	30W
Max Power Voltage	17.6V
Max Power Current	1.67A
Cell Type	Mono-Crystalline
Cell Number	36 Pcs
Warranty	15 Year

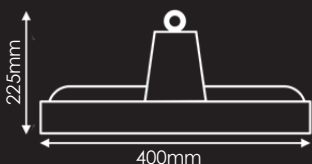
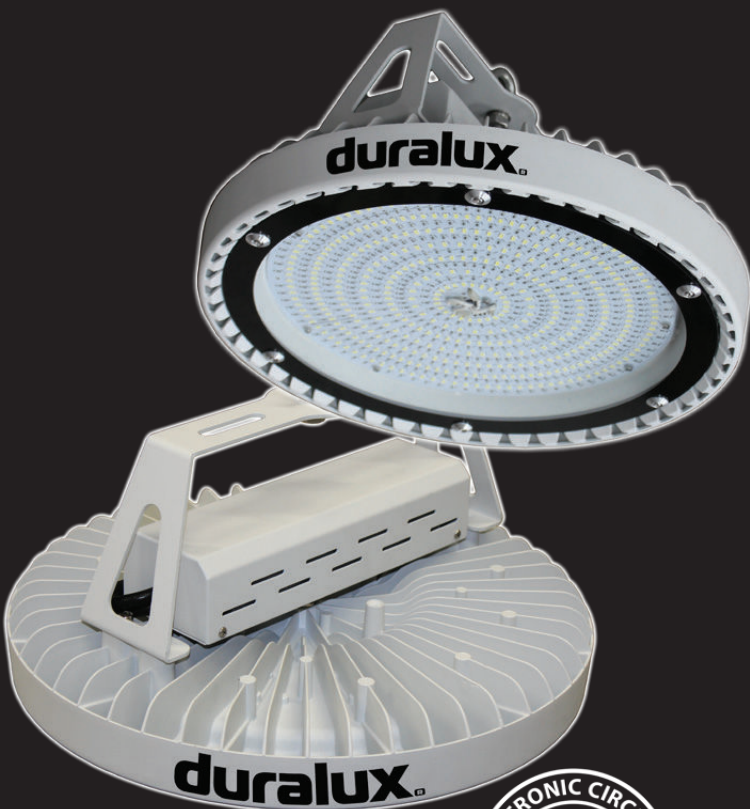
### PART NUMBER

Standard	SLX1000
Pole Mount	SLX2000



4-5 Night run cycle (with no sun) & fully programmable

## LOWBAYS



As one of Australia's premier LED manufacturing companies, Ultra Vision has a reputation to uphold in terms of delivering excellence. Warehouse and area lighting is no exception.

Duralux low/high bays are designed to directly replace conventional metal halide & HPS highbays, significantly reducing current draw and providing high levels of uniform light – instantly. These lights are designed for peak performance, even when operating in extreme temperature conditions.

With a minimum life-expectancy of 50000 hours Duralux low/high bays deliver an excellent return on investment by way of reduced maintenance and increased productivity.

By operating at 130+ lumens/watt these modules provide exceptional light yet only use 25% of the electricity of conventional HPS units and 75% of most LED high/low bays.

The addition of an optional daylight harvesting module optimises energy savings by monitoring daylight levels and dimming the luminaire appropriately. This system can also be used to control lighting levels to a preset value, as required by the dairy industry. For new-build projects, contact us to discuss IES files and lighting plans to ensure optimal efficiency.

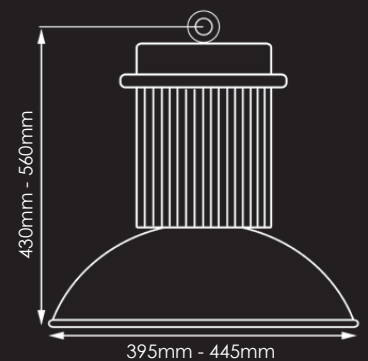
*The Duralux Lowbay can also be fitted with a PC lens making it suitable for food processing plants.*

SPECIFICATIONS	80W	100W	120W	150W	180W
<b>Wattage</b>	80 Watt	100 Watt	120 Watt	150 Watt	180 Watt
<b>No. of LED's</b>	408 L.E.D's	504 L.E.D's	600 L.E.D's	756 L.E.D's	840 L.E.D's
<b>Light Output (raw)</b>	12'400 Lumens	15'500 Lumens	18'600 Lumens	23'200 Lumens	27'900 Lumens
<b>Light Output (effective)</b>	11'000 Lumens	13'600 Lumens	16'320 Lumens	20'200 Lumens	24'120 Lumens
<b>Voltage AC</b>	90V - 305V AC	90V - 305V AC	90V - 305V AC	90V - 305V AC	90V - 305V AC
<b>LED Efficiency</b>	155lm/Watt	155lm/Watt	155lm/Watt	155lm/Watt	155lm/Watt
<b>System Efficiency</b>	130+ lm/Watt	130+ lm/Watt	130+ lm/Watt	130+ lm/Watt	130+ lm/Watt
<b>Operating Temp.</b>	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C
<b>IP Rating</b>	IP67	IP67	IP67	IP67	IP67
<b>Connector Type</b>	AUS 3 pin Plug	AUS 3 pin Plug	AUS 3 pin Plug	AUS 3 pin Plug	AUS 3 pin Plug
<b>Housing</b>	Die-Cast Aluminium	Die-Cast Aluminium	Die-Cast Aluminium	Die-Cast Aluminium	Die-Cast Aluminium
<b>Colour (CRI)</b>	Ra>80	Ra>80	Ra>80	Ra>80	Ra>80
<b>Colour Temperature</b>	5000K	5000K	5000K	5000K	5000K
<b>Lifespan</b>	50'000 + Hours	50'000 + Hours	50'000 + Hours	50'000 + Hours	50'000 + Hours
<b>Net Weight</b>	7kg	7.1kg	7.2kg	7.2kg	7.2kg
<b>Beams Angles</b>	140°	140°	140°	140°	140°
<b>Ideal Hanging Height</b>	3m - 5m	5m - 7m	6m - 8m	8m - 10m	10m - 13m
<b>Metal Halide Equivalent</b>	400W - 450W	520W - 580W	660W - 720W	740W - 800W	800W +
<b>Warranty</b>	5 years	5 years	5 years	5 years	5 years
<b>PART NUMBERS</b>	<b>80W</b>	<b>100W</b>	<b>120W</b>	<b>150W</b>	<b>180W</b>
<b>140° Beam</b>	DLX80LB14	DLX100LB14	DLX120LB14	DLX150LB14	DLX180LB14

## HIGHBAYS

Duralux Highbays are designed to replace conventional HPS highbays, significantly reducing current draw and providing high levels of uniform light – instantly. The addition of copper heat transfer pipes significantly improves the efficiency of the heat sink. These lights are designed for extreme temperature conditions and guaranteed for 50'000 hours – reducing maintenance costs and improving productivity. Suitable for all internal applications where MH highbays are currently used.

Go on-line to calculate your electricity saving by converting to LED technology.



SPECIFICATIONS	120W	150W	180W	240W	300W
<b>Wattage</b>	120 Watt	150 Watt	180 Watt	200 Watt	300 Watt
<b>Light Source</b>	Cree USA L.E.D's	Cree USA L.E.D's	Cree USA L.E.D's	Cree USA L.E.D's	Cree USA L.E.D's
<b>Light Output (raw)</b>	16'200 Lumens @ 65°C	19'500 Lumens @ 65°C	24'000 Lumens @ 65°C	32'400 Lumens @ 65°C	39'000 Lumens @ 65°C
<b>Light Output (effective)</b>	15'360 Lumens @ 65°C	18'800 Lumens @ 65°C	22'800 Lumens @ 65°C	30'800 Lumens @ 65°C	37'500 Lumens @ 65°C
<b>Voltage AC</b>	90V - 305V AC	90V - 305V AC	90V - 305V AC	90V - 305V AC	90V - 305V AC
<b>Luminous Efficiency</b>	130lm/Watt	130lm/Watt	130lm/Watt	130lm/Watt	130lm/Watt
<b>Operating Temp.</b>	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C
<b>IP Rating</b>	IP65	IP65	IP65	IP65	IP65
<b>Connector Type</b>	AUS 3 pin Plug	AUS 3 pin Plug	AUS 3 pin Plug	AUS 3 pin Plug	AUS 3 pin Plug
<b>Housing</b>	Extruded Aluminium	Extruded Aluminium	Extruded Aluminium	Extruded Aluminium	Extruded Aluminium
<b>Colour (CRI)</b>	Ra>80	Ra>80	Ra>80	Ra>80	Ra>80
<b>Colour Temperature</b>	5000K	5000K	5000K	5000K	5000K
<b>Lifespan</b>	50'000 + Hours	50'000 + Hours	50'000 + Hours	50'000 + Hours	50'000 + Hours
<b>Net Weight</b>	5.5kg	6kg	6.5kg	7kg	8kg
<b>Beams Angles</b>	60° & 90°	60° & 90°	60° & 90°	60° & 90°	90° & 90°
<b>Ideal Hanging Height</b>	6m - 8m	9m - 12m	12m - 16m	16m - 20m	20m - 25m
<b>Metal Halide Equivalent</b>	400W - 450W	500W - 560W	580W - 650W	660W - 720W	750W - 850W
<b>Warranty</b>	5 years	5 years	5 years	5 years	5 years
<b>PART NUMBERS</b>	<b>120W</b>	<b>150W</b>	<b>180W</b>	<b>240W</b>	<b>300W</b>
<b>60° Flood Beam</b>	DLX120HB6	DLX150HB6	DLX180HB6	DLX240HB6	DLX300HB6
<b>90° Flood Beam</b>	DLX120HB9	DLX150HB9	DLX180HB9	DLX240HB9	DLX300HB9

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