



MINE

LIGHTING

2019 Product Catalogue V 2.1



This 2019 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.

Our 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.

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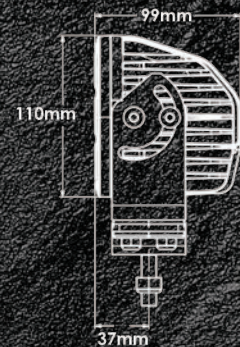
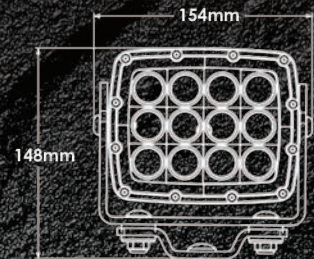


ENFORCER



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.

STANDARD



SPECIFICATIONS

STANDARD

Wattage	60 Watt
Light Source	12 x 5W L.E.D's
Light Output (raw)	7595 Lumens
Light Output (effective)	5925 Lumens
Voltage	9V-32V DC or 24V DC only
Current Draw	2.5A @ 24V DC
Operating Temp	-40°C to +85°C
Vibration	25G rms
IP Rating	IP69
Connector Type	Deutsch DT 2 Pin
Housing	Die-Cast Alloy
Lens Construction	Polycarbonate
Bracket	5mm S/Steel
Colour Temp	4000K or 5700K
Lifespan	50'000 Hours
Net Weight	2.5 kg
Mounting Suitable	All types
Beams Available	10 - 110 Deg
Warranty	5 Years
Dimming Control	Yes (Optional)

PART NUMBERS

MULTI -VOLT

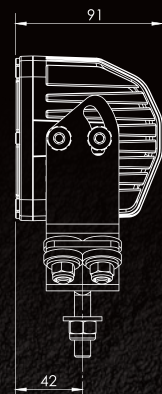
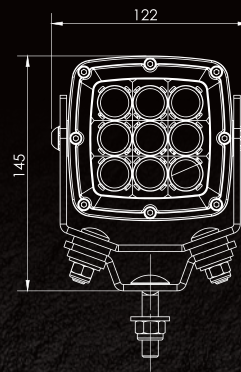
24 VOLT

Euro Beam - Multivolt	DV512LEDEU/S	DV512LED24EU/S
Wide Flood Beam - Multivolt	DV512LEDWF/S	DV512LED24WF/S
Flood Beam - Multivolt	DV512LEDFB/S	DV512LED24FB/S

INVADER



The Dura Vision Invader 50w 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 Invader 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. With a slightly smaller footprint than the Enforcer but utilising a similar 5mm stainless steel bracket the Invader is one of the most versatile lamps available. The Invader is also available as a 24V only option.



SPECIFICATION

Wattage	50 Watt
Light Source	9 x 5W
Light Output (raw)	5698 Lumens
Light Output (effective)	4518 Lumens
Voltage	10V-36V or 24V
Current Draw	2.1A @ 24V
Operating Temp.	-40°C to +85°C
Waterproof Rating	IP69
Connector Type	2 Pin standard Deutsch
Housing	Die-Cast Alloy
Lens Construction	Polycarbonate
Bracket	5mm Stainless Steel
Colour Temp	4000K or 5700K
Lifespan	50'000 Hours
Net Weight	1.8kg
Mounting Suitable	Upright & Pendent
Beams Available	10-110 Deg
Warranty	5 Years
Fixings	Stainless Steel

PART NUMBERS

MULTI-VOLT

24 VOLT

Euro Beam	DV550LEDEU/Y	DV550LED24EU/Y
Wide Flood Beam	DV550LEDWF/Y	DV550LED24WF/Y
Flood Beam	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.



10 W

PART NUMBERS	
Wide Flood	DVA10LEDWF
Euro Beam	DVA10LEDEU

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



20 W

PART NUMBERS	
Wide Flood	DVA20LEDWF
Euro Beam	DVA20LEDEU

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



45 W

PART NUMBERS	
Wide Flood	DV450LEDWF
Euro Beam	DV450LEDEU

SPECIFICATIONS

Wattage	45 Watt
Light Source	9 x 5w LEDs
Light Output (raw)	5250 Lumens
Light Output (effective)	4180 lumens
Voltage	10-36 or 24v only
Current Draw	1.9A @ 12V
IP Rating	IP69
Connector Type	Deutsch DT 2 Pin
Housing	4mm stainless
Lifespan	50'000 Hours
Warranty	3 Years
Beams Available	10 - 110 deg

NITRO 80 MAXX

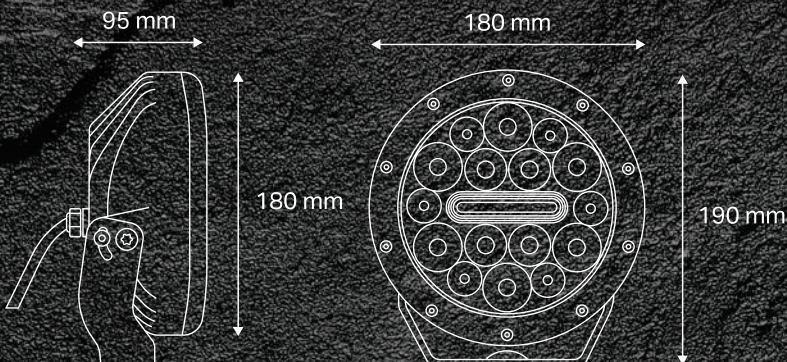
The new Nitro 80 follows on from the Nitro 140 in a line of high performance products using a sophisticated Contrl® optic, significantly increasing distance while the central Widr® optic gives 180Deg. of width. The stainless steel mounting system makes adjustment simple but able to withstand high levels of vibration. Clear lens covers, a wiring harness and anti-theft nuts are all included.



SPECIFICATIONS

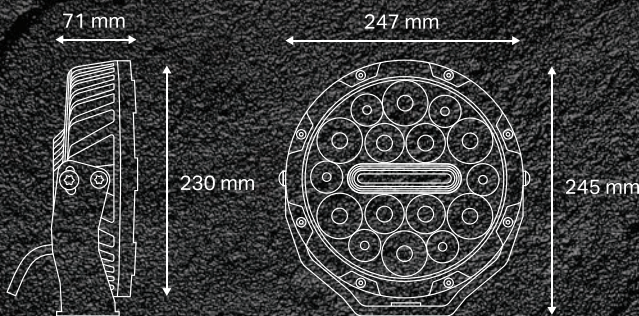
80 Watt

Wattage	80 Watt
Light Source	19 x LumiLED
Light Output - Raw	7410 Lumens/lamp
Light Output - Effective	5780 Lumens/lamp
Voltage	9V-36V
Current Draw	4.5A @ 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	4mm Stainless Steel
Colour Temp	4000k or 5700K
Lifespan	50'000 Hours
Diameter	180mm
Net Weight	2.25kg
Beams Available	Widr
Warranty	5 Years
PART NUMBERS	
Widr Beam	PVM1880LEDW



NITRO 140 MAXX

The NITRO 140 Maxx is the latest generation of high performance LED lighting. Utilizing a sophisticated Contrl® optic the light usage is optimised to give width and distance from one reflector. The Widr® option further increases the width, but still giving more than 1 lux @ 1km. The new slim body design allows for fitment to the majority of vehicles and the reduced weight further improves options. Utilizing the proven stainless steel mounting bracket ensures years of trouble free life. Units are supplied complete with clear polycarbonate lens covers, wiring harness and anti-theft nuts.



SPECIFICATIONS

140 Watt

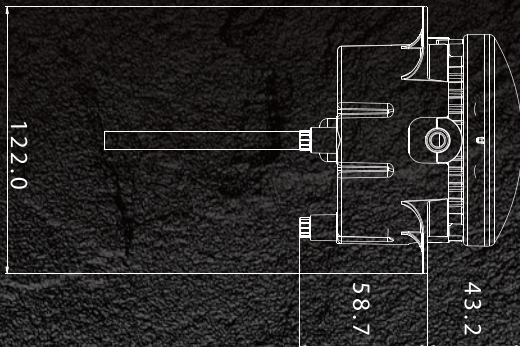
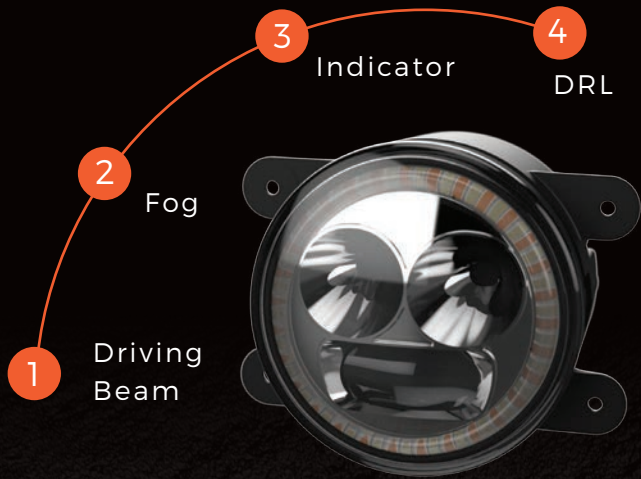
Wattage	140 Watt
Light Source	5W Cree L.E.D's
Light Output - Raw	14020 Lumens/lamp
Light Output - Effective	10600 Lumens/lamp
Voltage	10V - 40V
Current Draw	10.3A @ 13.5V
Operating Temp	-40°C to +80°C
Waterproof Rating	IP68
Connector Type	2 Pin Waterproof
Housing	Die-Cast Alloy
Lens Construction	Polycarbonate
Bracket	4mm Stainless Steel
Colour Temp	4000k or 5700K
Lifespan	50'000 Hours
Diameter	228mm
Net Weight	2.95kg
Mounting Suitable	All Types
Beams Available	Combo & Spread Beam
Warranty	5 Years
Harness Included	Yes

PART NUMBERS

Combo Beam	PVM2314LEDC
Widr Beam	PVM2314LEDW

NITRO SMART

FINALLY, A HIGH PERFORMANCE DRIVING LIGHT THAT INTEGRATES WITH ALMOST ANY VEHICLE.



SPECIFICATIONS

35 Watt

Light Source	LED
Voltage	9V-32V DC
Current Draw	4.4A@13.5V
Operating Temp	-40°C to +80°C
Waterproof Rating	IP67
Connector Type	8 Pin JST
Housing	Aluminium
Lens Construction	Polycarbonate
Carrier	GFN
Bracket	Alloy Easy Adjust
Colour Temp	5700K
Lifespan	50,000 Hours
Diameter	100mm
Net Weight	800g
Mounting Suitable	4 Point
Warranty	5 Years



KEEP COMPLIANT

Get more light without changing the compliance or safety specifications of your vehicle.

NO BULLBAR. NO PROBLEM

Nitro Smart can be integrated into almost any vehicle, often replacing the 90mm fog lamp.



NITRO MAXX LIGHTING

AS TOUGH AS
IT GETS.



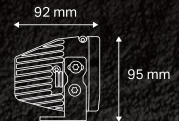
NITRO MAXX LIGHT BARS



The Nitro light bars are the latest addition to the range. Featuring the Widr[®] optic for width and a Contrl[®] optic for distance, the Nitro Light Bar takes performance to another level. Both side and base mounts are available, ensuring that fitment is simple in any application. A wiring harness and anti-theft nuts are supplied with each bar. Please specify base or side mounting at the time of ordering.



BIGGER SIZES AVAILABLE UPON REQUEST



SPECIFICATIONS	55	105	155	205	255	305
Wattage	50	100	150	200	250	300
Light Source	10 x 5w LEDs	20 x 5w LEDs	30 x 5w LEDs	40 x 5w LEDs	50 x 5w LEDs	60 x 5w LEDs
Light Output - raw	6160lm	12320lm	18480lm	24640lm	30800lm	36960
Light Output - effective	4432lm	8865lm	13295lm	17724lm	22175lm	26590
Voltage	9-36V	9-36V	9-36V	9-36V	9-36V	9-36V
Current Draw @ 13.5V	4A	8A	12A	15A	18A	24A
Operating Temperature	-40 to + 80 Deg.C	-40 to + 80 Deg.C	-40 to + 80 Deg.C	-40 to + 80 Deg.C	-40 to + 80 Deg.C	-40 to + 80 Deg.C
Waterproof rating	IP68	IP68	IP68	IP68	IP68	IP68
Connector Type	2 Pin std Deutsch	2 Pin std Deutsch	HD Deutsch	HD Deutsch	HD Deutsch	HD Deutsch
Housing	6063 T5 Aluminium	6063 T5 Aluminium	6063 T5 Aluminium	6063 T5 Aluminium	6063 T5 Aluminium	6063 T5 Aluminium
Lens Construction	Makralon Polycarbonate	Makralon Polycarbonate	Makralon Polycarbonate	Makralon Polycarbonate	Makralon Polycarbonate	Makralon Polycarbonate
Bracket	Stainless steel and alloy	Stainless steel and alloy	Stainless steel and alloy	Stainless steel and alloy	Stainless steel and alloy	Stainless steel and alloy
Colour temperature	4000k or 5700K	4000k or 5700K	4000k or 5700K	4000k or 5700K	4000k or 5700K	4000k or 5700K
Lifespan	50,000 Hours	50,000 Hours	50,000 Hours	50,000 Hours	50,000 Hours	50,000 Hours
Diameter/dimensions	185x92x84	324x92x84	465x92x84	605x92x84	745x92x84	885x92x84
Net Weight	1.1kg	1.9kg	2.5kg	3.4kg	4.3kg	5.3kg
Mounting suitable	base & Side mount options	base & Side mount options	base & Side mount options	base & Side mount options	base & Side mount options	base & Side mount options
Beams available	Combo WIDR	Combo WIDR	Combo WIDR	Combo WIDR	Combo WIDR	Combo WIDR
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years
PART NUMBERS	DVM055LEDW	DVM105LEDW	DVM155LEDW	DVM205LEDW	DVM255LEDW	DVM305LEDW

MINE MASTER

EXCELLENT FOR:

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

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.



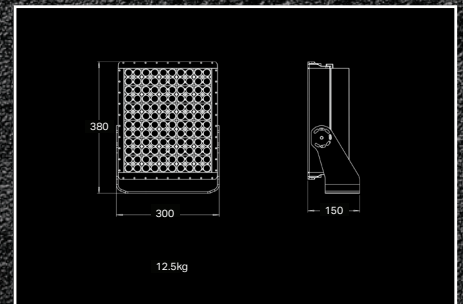
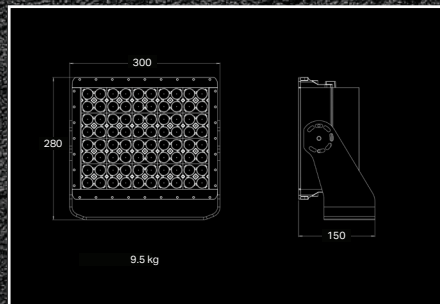
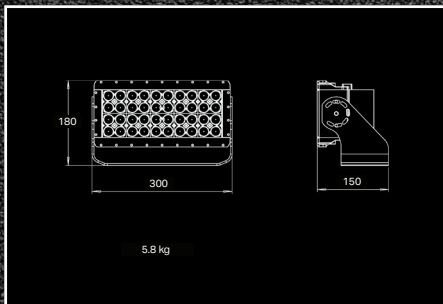
5
YEARS
WARRANTY



5
YEARS
WARRANTY

180 W

360 W



MINE MASTER

240V AC VERSION

Wattage	150w	320w	480w
Light output raw	19,840 lumens	41,300 lumens	61,950 lumens
Light output effective	15,960 lumens @ 65°C	31,940 lumens @ 65°C	47,900 lumens @ 65°C
LED Efficacy	126 lm/W	123 lm/W	123 lm/W
Voltage range	90-305vAC	90-305vAC	90-305vAC
Current draw	0.65A	1.45A	2.1A
Operating temp	-40 - +70°C	-40 - +70°C	-40 - +70°C
Vibration rating	15G rms	15G rms	15G rms
IP rating	IP68	IP68	IP68
Connector type	3 pin	Deutsch/Amphenol	Deutsch/Amphenol
Housing	Aluminium	Aluminium	Aluminium
Colour temp K	4000k or 5700k	4000k or 5700k	4000k or 5700k
Lens construction	Polycarbonate	Polycarbonate	Polycarbonate
Bracket	5mm Stainless steel	5mm Stainless steel	5mm Stainless steel
Lifespan	50,000 H	50,000 H	50,000 H
Net weight	7kg	12KG	15kg
Mounting	all types	all types	all types
Beams	10, 25, 40, 60, 70x40 & 110	10, 25, 40, 60, 70x40 & 110	10, 25, 40, 60, 70x40 & 110
Warranty	5 Years	5 Years	5 Years

Part Number	150w 240vAC	320w 240vAC	480w 240vAC
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BEAM TYPE

10deg Flood Light	DVZ150LED1A	DVZ320LED1A	DVZ480LED1A
25deg Flood Light	DVZ150LED3A	DVZ320LED3A	DVZ480LED3A
40deg Flood Light	DVZ150LED4A	DVZ320LED4A	DVZ480LED4A
60deg Flood Light	DVZ150LED6A	DVZ320LED6A	DVZ480LED6A
70x40deg Flood Light	DVZ150LED7A	DVZ320LED7A	DVZ480LED7A
110deg Flood Light	DVZ150LED11A	DVZ320LED11A	DVZ480LED11A

MINE MASTER DC VOLT VERSION

Wattage	180w	240w	340w	500w
Light output raw	24,700 lumens	36,550 lumens	47,550 lumens	70,350 lumens
Light output effective	19,950 lumens @ 65°C	28,500 lumens @ 65°C	36,950 lumens @ 65°C	54,650 lumens @ 65°C
LED Efficacy	131 lm/W	145 lm/W	133 lm/W	134 lm/W
Voltage range	21-55vDC	21-55vDC	21-55vDC	21-55vDC
Current draw	7.2A @ 25vDC	13.6A @ 25vDC	13.6A @ 25vDC	20A @ 25vDC
Operating temp	-40 - +85°C	-40 - +85°C	-40 - +85°C	-40 - +85°C
Vibration rating	15G rms	15G rms	15G rms	15G rms
IP rating	IP68	IP68	IP68	IP68
Connector type	Deutsch/Amphenol	Deutsch/Amphenol	Deutsch/Amphenol	Deutsch/Amphenol
Housing	Aluminium	Aluminium	Aluminium	Aluminium
Colour temp K	4000k or 5700k	4000k or 5700k	4000k or 5700k	4000k or 5700k
Lens construction	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Bracket	5mm Stainless steel	5mm Stainless steel	5mm Stainless steel	5mm Stainless steel
Lifespan	50,000 H	50,000 H	50,000 H	50,000 H
Net weight	5.8kg	9.5kg	9.5kg	12.5kg
Mounting	all types	all types	all types	all types
Beams	10, 25, 40, 60, 70x40 & 110	10, 25, 40, 60, 70x40 & 110	10, 25, 40, 60, 70x40 & 110	10, 25, 40, 60, 70x40 & 110
Warranty	5 Years	5 Years	5 Years	5 Years

Part Number	180w 21-58vDC	240w 21-58vDC	340w 21-58vDC	500w 21-58vDC
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BEAM TYPE

10deg Flood Light	DVM180LED1D	DVM240LED1D	DVM340LED1D	DVM500LED1D
25deg Flood Light	DVM180LED3D	DVM240LED3D	DVM340LED3D	DVM500LED3D
40deg Flood Light	DVM180LED4D	DVM240LED4D	DVM340LED4D	DVM500LED4D
60deg Flood Light	DVM180LED6D	DVM240LED6D	DVM340LED6D	DVM500LED6D
70x40deg Flood Light	DVM180LED7D	DVM240LED7D	DVM340LED7D	DVM500LED7D
110deg Flood Light	DVM180LED11D	DVM240LED11D	DVM340LED11D	DVM500LED11D

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



HIGH BAYS

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 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 high bays deliver an excellent return on investment by way of reduced maintenance and increased productivity.

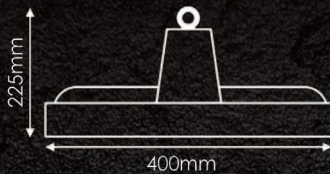
By operating at 130+ lumens/watt these modules provide exceptional light yet only use 25% of the electricity of conventional HPS units and 75% of most LED high bays.

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.



5
YEARS
WARRANTY



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

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



**AUSTRALIA'S
NO 1 MANUFACTURER
OF LED LIGHTING FOR
EXTREME ENVIRONMENTS**

Distributor: