

ANDROMEDA™ CUSTOM LED SERIES

With all the benefits of our standard Andromeda™ Series, our custom range includes luminaires specifically designed and modified for use in unusual or challenging environments. Working closely with experts in these fields our aim is to surpass the performance of traditional technology, while providing a more efficient, green and safe luminaire.

The development of additional custom Andromeda™ luminaires is the cornerstone of our research and development program, and we welcome ideas and collaborations for your next project.

Our Andromeda™ custom series includes:

- ◆ Aquarium
- ◆ Grow Lights
- ◆ Turtle Safe Luminaires
- ◆ Specialised Mounting

AndromedaTM

CUSTOM APPLICATION DESIGN

Product Range



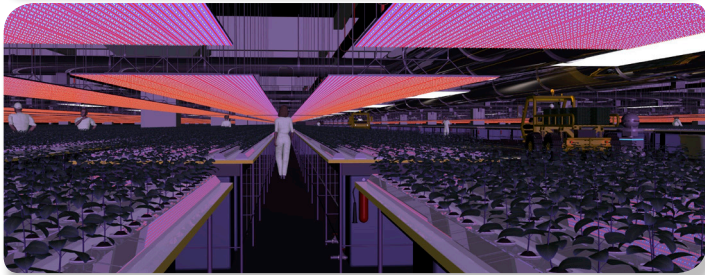
N5433



N26539



Aquarium



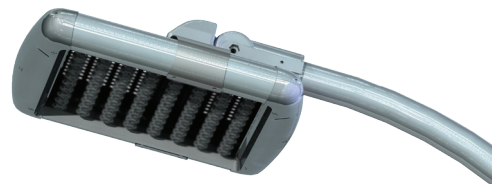
Grow Light



Mining



Turtle Safe



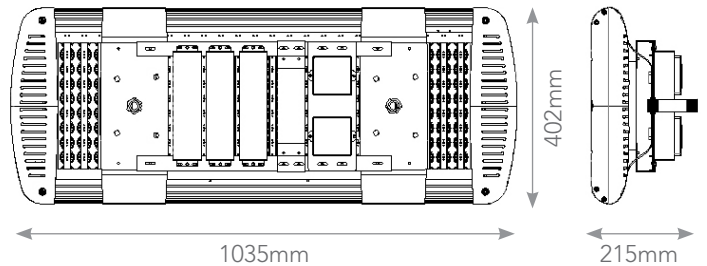
Specialised Mounting



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Andromeda Aquarium

CCT ADJUSTABLE & DIMMABLE



Schematic of AndromedaXPH-Aqua 320W

› PRODUCT INFORMATION

Product Code	AndromedaXPH-Aqua
Dimensions	Variable with power
Ingress Protection	IP66
Light Source	Nichia High Power LED
Lens	Customisable (Wide or Narrow Options)*
Housing	6063 Aluminium (Marine Grade)
Housing Colour	Silver, White, Black, Custom
Control	Dali, PWM, 0-10V, DMX

› TECHNICAL SPECIFICATIONS

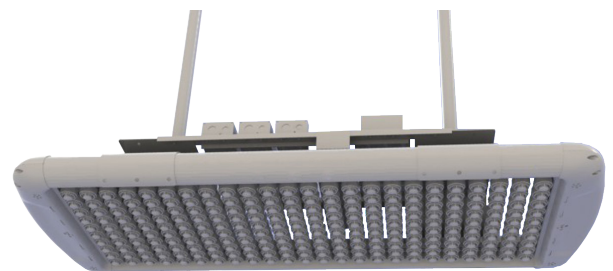
Input Voltage	85V-264VAC, 50/60Hz
Lifespan	50,000 hours
Power	53W - 320W
Beam Angle*	Variable based on Lens
Luminous Efficacy	63 lm/W
Power Factor	>0.95
Operating Temperature	-25°C to +55°C
CCT	Adjustable & Dimmable

› FEATURES

- ◆ Designed to model the diurnal cycle
- ◆ Adjustable and/or customised CCT options from 3,000K-10,000K + in a single luminaire
- ◆ DMX or DALI controllable
- ◆ Dimmable – entire luminaire or individual CCTs
- ◆ Multiple beam angles available

› OUTPUT

	<i>Lumens</i>
53W	3,339 lm
105W	6,615 lm
160W	10,080 lm
213W	13,419 lm
265W	16,695 lm
320W	20,160 lm

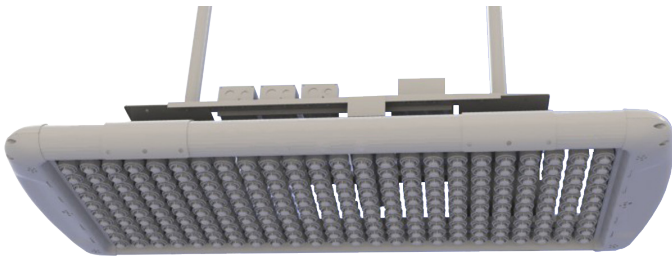


*  For lens options see page 9 in Andromeda™ Standard section



Andromeda & Nebula Aquarium

FIXED CCT



› PRODUCT INFORMATION

Product Code	AndromedaXPH-Fixed NebulaXPH-Fixed
Dimensions	Variable with power
Ingress Protection	IP66
Light Source	Nichia High Power LED
Lens	Customisable (General or Narrow Options)*
Housing	6063 Aluminium (Marine Grade)**
Housing Colour	Silver, White, Black, Custom
Control	Multiple Options, Dali, PWM, 0-10V, DMX

› TECHNICAL SPECIFICATIONS

Input Voltage	85V-264V, 50/60Hz
Lifespan	50,000 hours
Power*	18W - 300W
Beam Angle	Variable based on Lens
Luminous Efficacy	63 lm/W
Power Factor	>0.95
Operating Temperature	-25°C to +55°C
CCT	2,700-3,000K Warm White 4,000-4,500K Natural White 5,000-5,500K Cool White 8,500K AQ 10,000K AQ+ 15,000K AQ* 20,000K AQ^

*See Nebula™ for other power options

**Also available in 304SS and 316SS and components

*  For lens options see page 9 in Andromeda™ Standard section

› FEATURES

- ◆ CCT available from 2,700 to 20,000K
- ◆ Beam angles from 10° -180°
- ◆ Various mounting options and intensities available
- ◆ Available in all Andromeda™ and Nebula™ luminaires

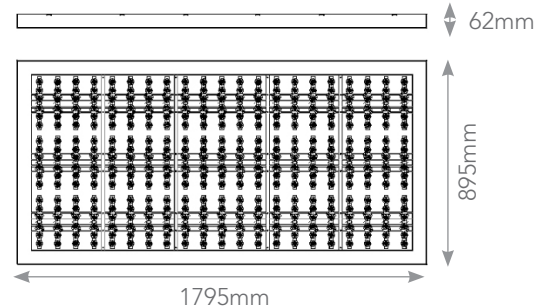
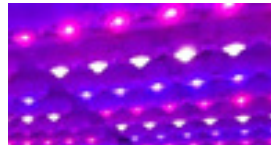
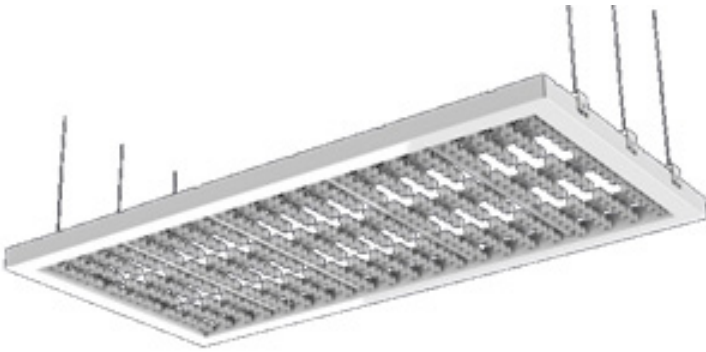


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Andromeda Grow Light

GROWTH CABINET REPLACEMENT LUMINAIRES



Schematic of Andromeda-GrowCCIP-560W-ANU

› PRODUCT INFORMATION

Product Code	Andromeda-GrowCCIP-560W-ANU		
Dimensions	Length	Width	Diameter
	1,795mm	895mm	62mm
Ingress Protection	IP66		
Weight	55kg		
Light Source	Nichia High Power LED		
Lens	Customisable*		
Housing	6063 Aluminium (Marine Grade)		
Housing Colour	Silver, White, Black, Custom		

› TECHNICAL SPECIFICATIONS

Input Voltage	85V-264VAC, 50/60Hz
Lifespan	50,000 hours
Power	560W
Power Factor	>0.95
Operating Temperature	-25°C to +55°C

› SAMPLE CUSTOMISATION OF LARGE CABINET

	Whole Light Fixture	Red Light	Far Red Light	Blue Light	White Light
Chip Numbers (# of Rails)	378 (63)	114 (19)	36 (6)	114 (19)	114 (19)
Power	560W	140W	45W	185W	190W
Fixture Efficacy	34 lm/W	18 lm/W	9 lm/W	10.3 lm/W	75 lm/W
Luminous Flux	19,070 lm	2,520 lm	395 lm	1,905 lm	14,250 lm
Wavelength	/	635 nm	655 nm	445 nm	580 nm
Peak Wavelength	/	664 nm	670 nm	435 nm	610 nm

*Other colours and wavelengths are available (Green, UV, etc...)

› FEATURES

Made to order:

- ◆ Custom wavelengths from UV to infrared available
- ◆ Up to 6 individual circuits on a single luminaire for individual colour control
- ◆ Dimming 0-100%
- ◆ Specific rail layout for spread of coloured lights
- ◆ Rails of 6 LED Pixels interchangeable for maximum versatility
- ◆ Integrated software control (time, intensity, colour)
- ◆ Fixed wavelength units available as well



Thermoline Cabinet retrofitted with Andromeda™ Grow Light, Australian National University



For lens options see page 9 in Andromeda™ Standard section



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Andromeda Turtle Safe

HIGH POWERED LUMINAIRES



› PRODUCT INFORMATION

Product Code	AndromedaXP-TS
Ingress Protection	IP66
Light Source	Nichia High Power LED
Lens	Customisable*
Housing	6063 Aluminium (Marine Grade)
Housing Colour	Silver, White, Black, Custom

› TECHNICAL SPECIFICATIONS

Input Voltage	85V-264VAC, 50/60Hz
Lifespan	50,000 hours
Power	30W - 240W
Wavelength	588nm – 592nm
Power Factor	>0.95
Operating Temperature	-25°C to +55°C
CCT	~2,500K Amber

› FEATURES

- ◆ Peak intensity meets EPA guidelines of 588nm - 592nm for turtle sensitive areas
- ◆ Single chip technology - no colour mixing
- ◆ Tested at Mon Repos turtle hatchery in 2014
- ◆ Available in all Andromeda™ Standard styles including P4 and P5 streetlighting

› OUTPUT

	<i>Lumens</i>
30W	1,170 lm
40W	2,280 lm
50W	2,850 lm
60W	3,420 lm
70W	4,000 lm
80W	4,560 lm
90W	5,130 lm
100W	5,700 lm
110W	6,270 lm
120W	6,840 lm
150W	8,550 lm
160W	9,120 lm
180W	10,260 lm
200W	11,400 lm
240W	13,680 lm



* For lens options see page 9 in Andromeda™ Standard section



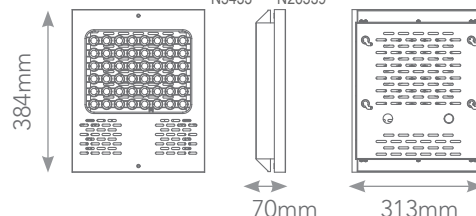
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Andromeda Custom

RECESSED LUMINAIRE



Schematic of AndromedaXPH-Recs-96W

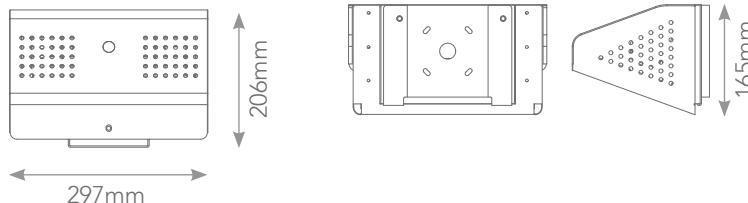
› PRODUCT INFORMATION

Product Code	AndromedaXPH-Recs		
Dimensions	<i>Length</i>	<i>Width</i>	<i>Diameter</i>
	64W	384mm	313mm
	96W	492mm	131mm
	118W	601mm	313mm
Ingress Protection	IP66		
Weight	6.5kg/ 7.8kg/ 8.3kg		
Light Source	Nichia High Power LED		
Lens	Customisable*		
Housing	6063 Aluminium (Marine Grade)		
Housing Colour	Silver, White, Black, Custom		

› TECHNICAL SPECIFICATIONS

Input Voltage	85V-264VAC, 50/60Hz	
Lifespan	50,000 hours	
Power	64W, 96W, 118W	
Beam Angle	Customisable*	
Luminous Efficacy	95 lm/W	
Power Factor	0.95	
Operating Temperature	-25°C to +55°C	
CCT	5,000-5,500K	Cool White
	4,000-4,500K	Natural White
	2,700-3,000K	Warm White

WALL PACK LUMINAIRE



Schematic of AndromedaXPH-Wall 21W/32W/40W

› PRODUCT INFORMATION

Product Code	AndromedaXPH-Wall		
Dimensions	<i>Length</i>	<i>Width</i>	<i>Diameter</i>
	21W/32W/40W	297mm	206mm
	48W/64W	352mm	239mm
Ingress Protection	IP66		
Weight	3.8kg/ 4.5kg/ 5.1kg/ 5.7kg/ 6.5kg		
Light Source	Nichia High Power LED		
Lens	Customisable		
Housing	6063 Aluminium (Marine Grade)		
Housing Colour	Silver, White, Black, Custom		

› TECHNICAL SPECIFICATIONS

Input Voltage	85V-264VAC, 50/60Hz	
Lifespan	50,000 hours	
Power	21W, 32W, 40W, 48W, 64W	
Beam Angle	Customisable*	
Luminous Efficacy	95 lm/W	
Power Factor	0.9	
Operating Temperature	-25°C to +55°C	
CCT	5,000-5,500K	Cool White
	4,000-4,500K	Natural White
	2,700-3,000K	Warm White

*  For lens options see page 9 in Andromeda™ Standard section

IES Files available at www.empyreanlighting.com/downloads

Andromeda Custom

SPECIALISED POLE MOUNTING OPTIONS

POLE MOUNT WALL THIN



POLE MOUNT WALL THICK



POLE MOUNT TOP



POLE MOUNT SLEEVE

Pole top range 33.7mm/ 48mm



POLE MOUNT SLEEVE

Pole top range 48mm-100mm



POLE MOUNT SLEEVE

Pole top range 100mm-150mm



**Contact us if you have special requirements.*