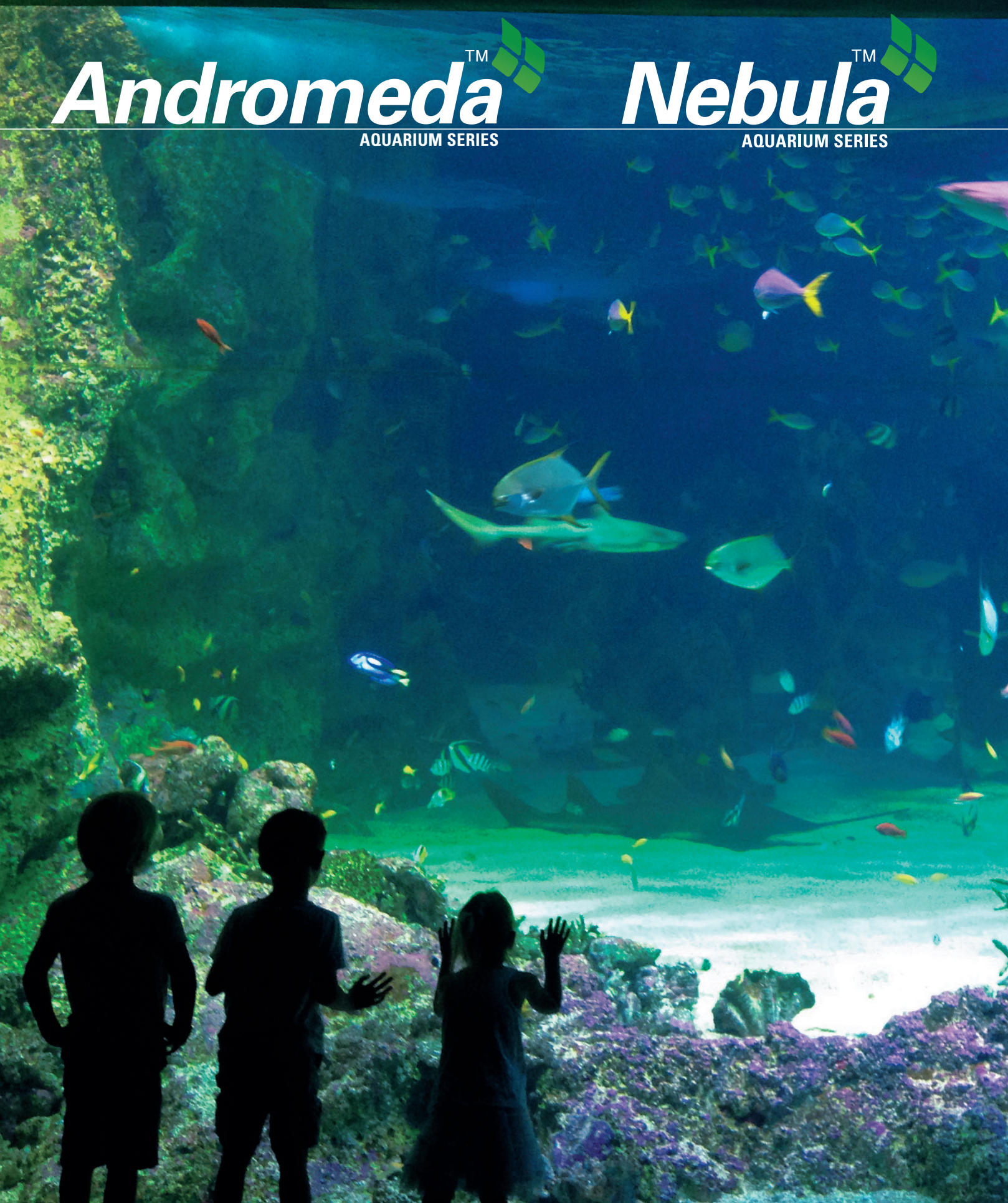


# Andromeda<sup>TM</sup>

AQUARIUM SERIES

# Nebula<sup>TM</sup>

AQUARIUM SERIES







## AQUARIUM CUSTOM RANGE

EMPYREAN LIGHTING, in partnership with experts in large aquarium design and installation, has modified its existing Andromeda and Nebula series luminaires to suit the demands and rigors of this unique application.

We have focused on versatility for this series, and are able to provide over 1,000 variations of our high-quality luminaires to suit any tank or enclosure, all the while providing the inherent advantages of LED technology.

## FEATURES

- USES 50%-75% LESS ELECTRICITY THAN HIGH INTENSITY DISCHARGE LUMINAIRES
- AVAILABLE IN A VARIETY OF POWERS, CCT, BEAM ANGLES, MOUNTING AND CONTROL OPTIONS
- VERY LITTLE HEAT - SAFE IN SPASH ZONES AND CONFINED SPACES
- IP66 & LIFESPAN OF 50,000 HRS+ (TO L70 B10)
- DESIGNED SPECIFICALLY FOR USE IN MARINE CONDITIONS
- NO MERCURY, FULLY RECYCLABLE
- HIGHLY CUSTOMISABLE - BUILT SPECIFICALLY FOR YOUR REQUIREMENTS





# Andromeda™ C Aqua

HIGH POWER 10,000K CCT LED



## PRODUCT INFORMATION

### PRODUCT CODE DIMENSIONS

	Andromeda-C-Aqua			
	Length	Width	Depth	Weight
160W	417mm	360mm	130mm	9 kg
320W	787mm	360mm	129.5mm	13.5 kg

### INGRESS PROTECTION LIGHT SOURCE HOUSING

IP66  
Nichia High Power LED  
6063 Aluminium (Marine Grade)  
Ceramic Diode Seat with Polycarbonate Rails  
ST12

### BRACKET MATERIAL

### BRACKET TYPE

### FRAME COLOUR

### MECHANICAL IMPACT RESISTANCE

### IP RATING

### OPERATING TEMPERATURE

Wall Mount, Surface Mount, Suspended with Rods  
Silver  
IK08 (Bracket & Frame Only)  
IP66  
-40°C to +55°C

## TECHNICAL SPECIFICATIONS

### INPUT VOLTAGE

### LIFESPAN

### POWER

### DIMMABLE

### BEAM ANGLE

### LUMINOUS EFFICACY

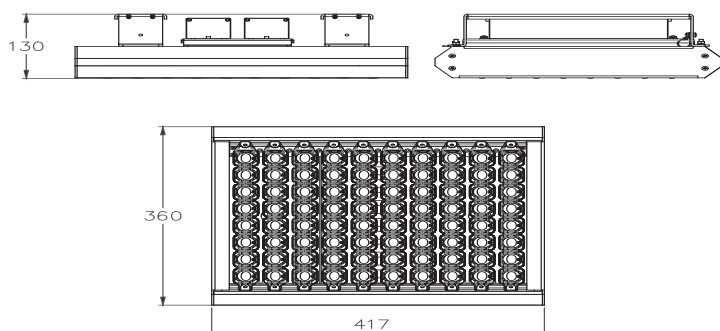
### POWER FACTOR

### CCT

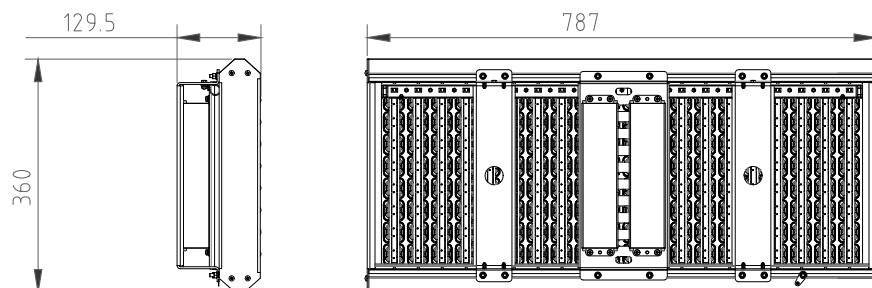
90-305VAC, 50/60Hz  
50,000 hours to L70  
160W & 320W  
5-100% - 0-10V, DALI  
\* Variable based on Lens  
110lm/W  
>0.97  
10,000K

\* FOR LENS OPTIONS SEE LENS PAGE IN ANDROMEDA™ CERAMIC SECTION

## SCHEMATIC OF ANDROMEDA-C-AQUA 160W



## SCHEMATIC OF ANDROMEDA-C-AQUA 320W



## OUTPUT

WATTS	LUMENS
160W	17,600 lm
320W	35,200 lm

## APPLICATIONS





Nebula Multi 40W



Nebula Multi 20W



Nebula Linear 18W / 24W



### PRODUCT INFORMATION

DIMENSIONS		Length	Width	Depth	Weight
Multi	20W	120mm	107mm	180mm	2.5kg
	40W	268mm	203mm	161mm	3.8kg
	60W	293mm	203mm	161mm	5.0kg
	80W	418mm	203mm	161mm	10.2kg
	100W	518mm	203mm	161mm	12.0kg
Linear	18W	1000mm	65mm	91mm	3.2kg
	24W	1000mm	65mm	91mm	4.5kg

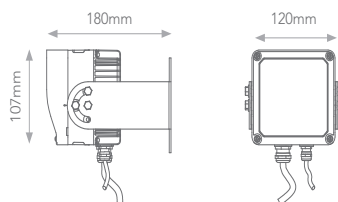
  

INGRESS PROTECTION	IP66
LIGHT SOURCE	Nichia & Osram High Power LED
HOUSING	Aluminium alloy and adjustable mounting brackets
BRACKET MATERIAL	ST12
BRACKET TYPE	Wall Mount, Surface Mount
FRAME COLOUR	Silver, Black
MECHANICAL IMPACT RESISTANCE	IK08 (Bracket & Frame Only)
IP RATING	IP66
OPERATING TEMPERATURE	-40°C to +55°C

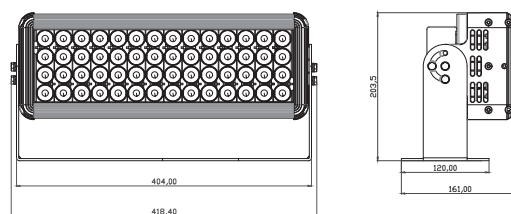
### TECHNICAL SPECIFICATIONS

INPUT VOLTAGE	90-305VAC, 50/60Hz
LIFESPAN	50,000 hours to L70
POWER	Multi - 20W, 40W, 60W, 80W, 100W Linear - 18W, 24W
POWER FACTOR	>0.97
DIMMABLE	5-100% - DALI & DMX 512 for RGB
BEAM ANGLE	Multi - 10°, 40° (20W only), 40° Elongated Linear- 10°, 15°, 25°, 30°, 50°
CCT	Multi
	5,000-5,500K Cool White*
	4,000-4,500K Natural White
	2,700-3,000K Warm White
	RGB or Blue
	Linear
	5,000-5,500K Cool White
	4,000-4,500K Natural White
	2,700-3,000K Warm White
	Red, Green, Blue

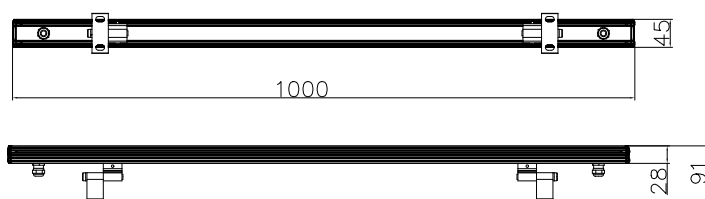
### SCHEMATIC OF NEBULA MULTI 20W



### SCHEMATIC OF NEBULA MULTI 80W



### SCHEMATIC OF NEBULA LINEAR 18W / 24W



### APPLICATIONS

