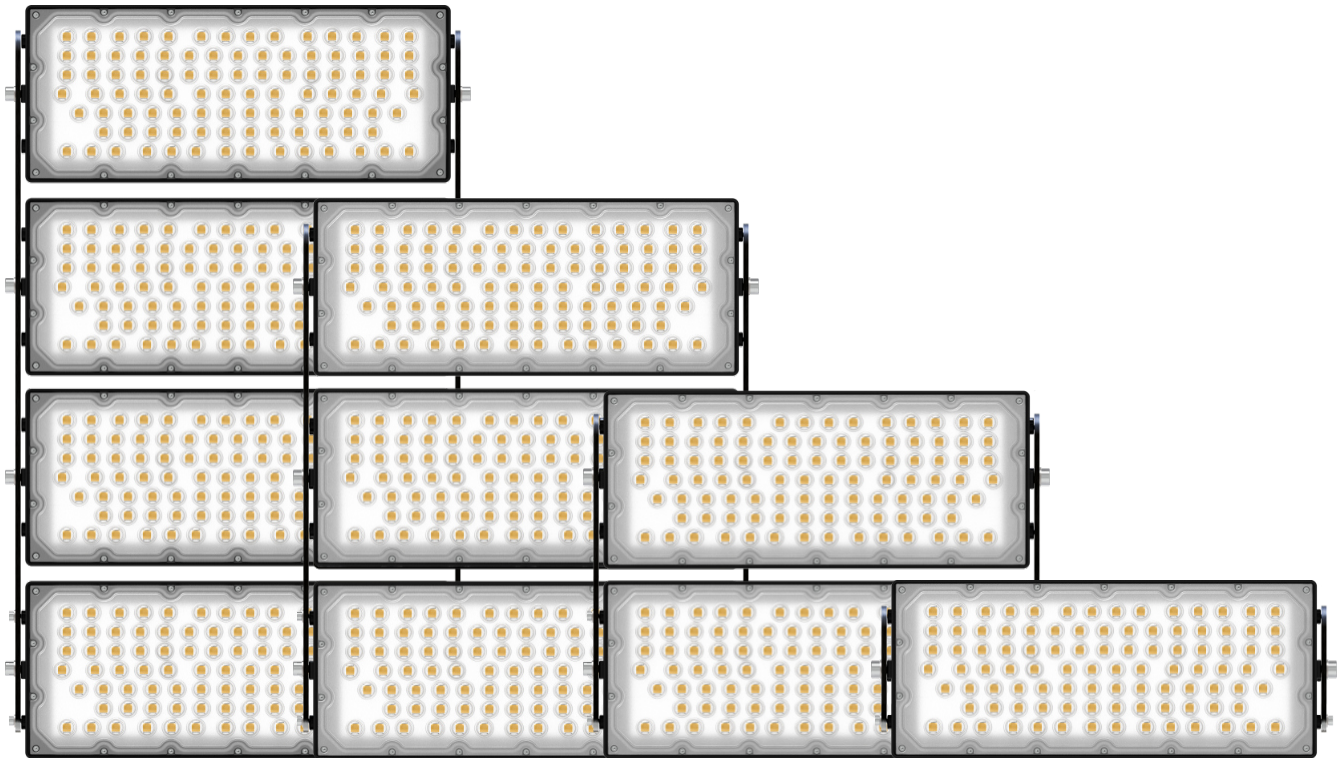


isollux™

Intelligent Lighting Solutions

Vixen Modular Floodlight | Specifier Series





Vixen Modular Floodlight

The Vixen is a modular floodlight that utilises Isollux standard de-rating design principles to deliver outstanding performance and reliability. With a power rating of 200W per block (250W Max) standard power options include 200W, 300W, 400W, 500W, 600W, 800W. With each heatsink capable of a maximum 250W output Vixen is effectively de-rated to maximise service life and reliability.





High Performance Modules

Optimum performance and reliability is assured by applying our successful de-rating design philosophy to Vixen. Each PCB features the latest HE dual die chipset operating at less than 50% maximum drive current, with each module de-rated below 80% of the maximum tested thermal load of the heatsink. The result is extraordinary performance and the longest service life in class.

140lm/W @ Ra85 (5,000°K)*

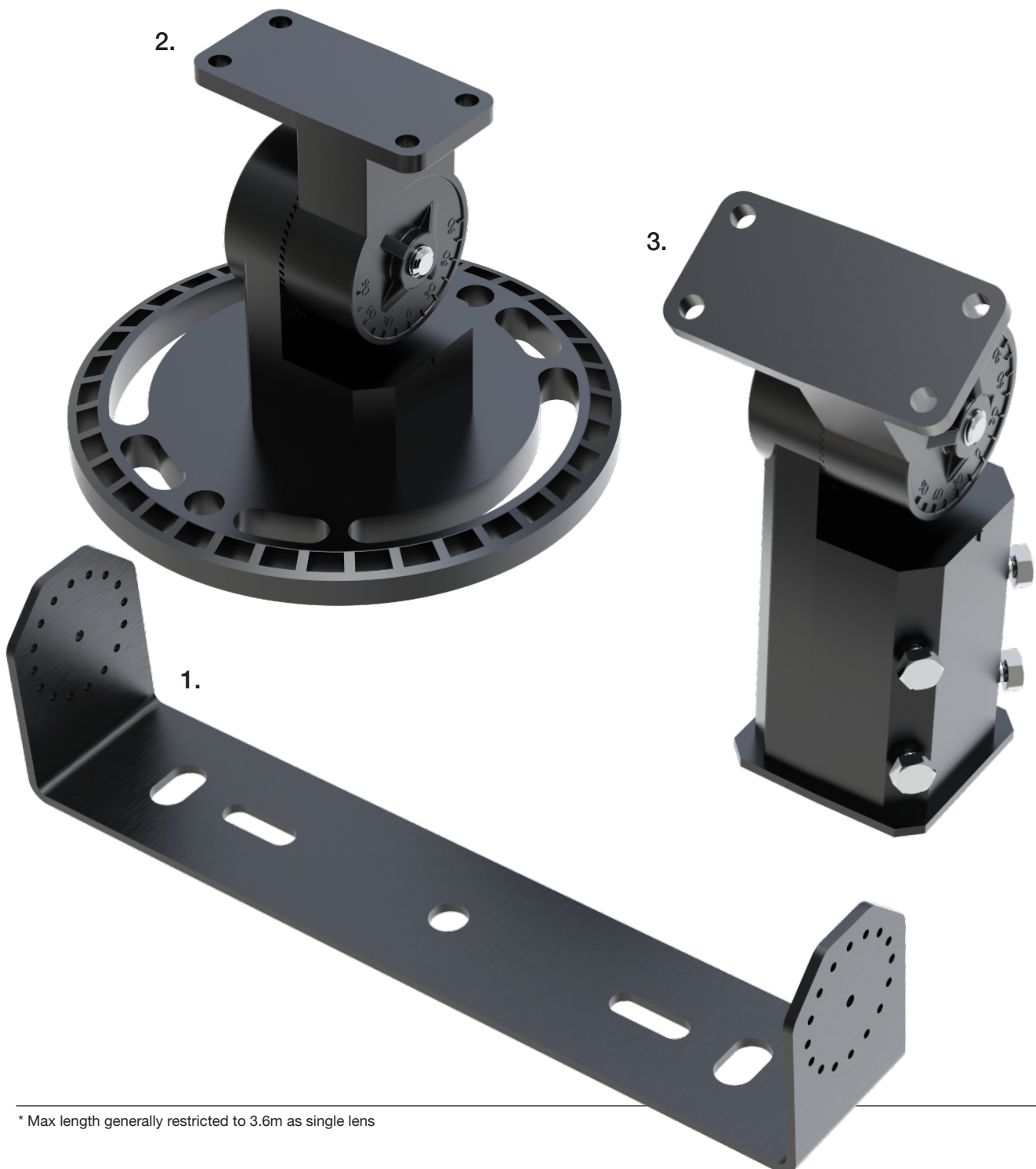
L₉₀ ≥ 100,000 Hrs L₇₀ ≥ 247,000 Hrs

* Luminaire after all losses, TM21 Energy Star Calculations (≥9,000Hrs Zero Failures) & independent LM79/LM80

Three mounting options

Multiple mounting options include the standard bracket mount (1) with fixed luminaire angle options at 22.5° increments. With the option to specify articulated Pelmet (2) or Pole (3) mount bases to ensure safe and secure installation whether mounted to poles, walls or walls.

Isollux provides engineering support for customised mounts where multiple units are required to support large area lighting with task critical lighting such as sports stadiums, ports, mining facilities, airports, prisons and military bases.



* Max length generally restricted to 3.6m as single lens

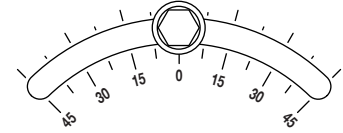
High Performance Optics

Vixen features multiple **Krystal™ PC lenses**, with one dedicated lens for each LED position. The design ensures superior optical performance with a UV stabilised PC main lens plate. The lens plate is over moulded during production to form a single lens assembly, eliminating the need to compromise optical or structural performance.

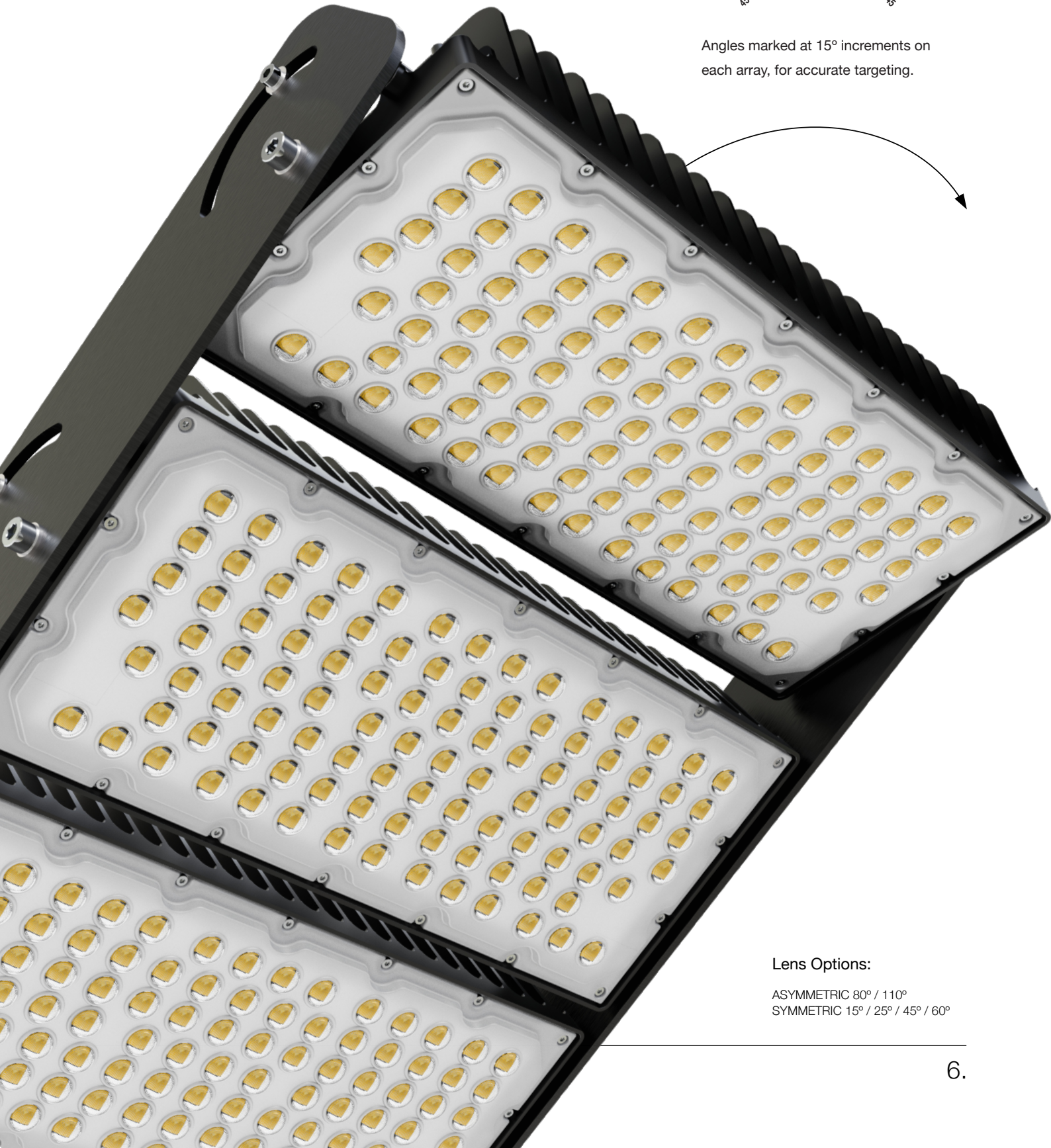


Multiple Lens Options and independent targeting

A range of narrow or wide beam lenses combined with the ability to adjust and vary the angle of each module to target light exactly where it is required.



Angles marked at 15° increments on each array, for accurate targeting.



Lens Options:

ASYMMETRIC 80° / 110°

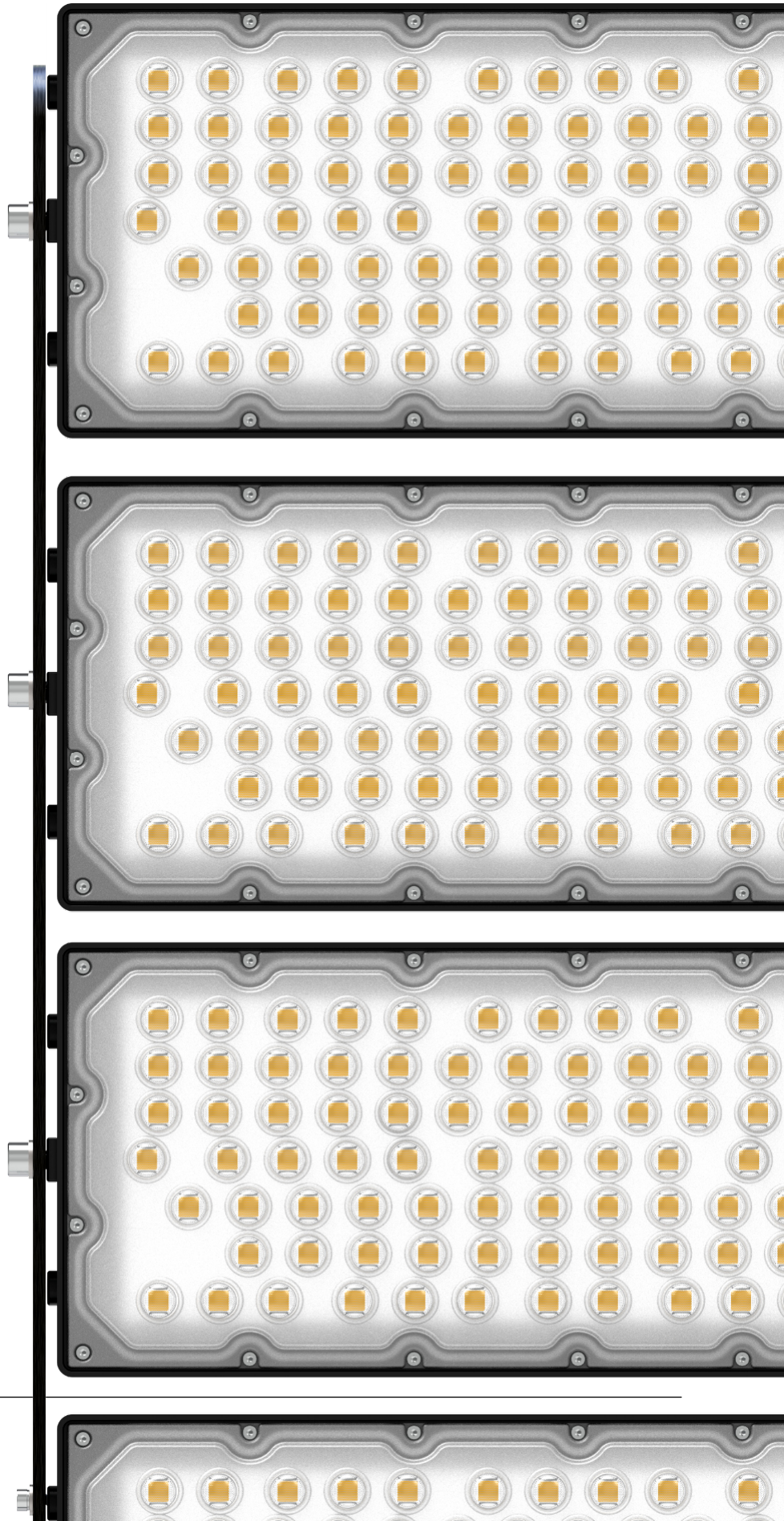
SYMMETRIC 15° / 25° / 45° / 60°

Performance that delivers greater control

HE LED Chipset

The Isollux HE LED Chip is a powerful and long-lasting dual die chipset. It delivers an incredible 187lm/W at CRI Re83 while operating four times longer than industry standard with minimal losses*.

The combination of L90 performance and absence of B'ratings for the fitting, provides lighting designers with the freedom to adopt tighter specification with confidence.



Built to perform,
built to last.



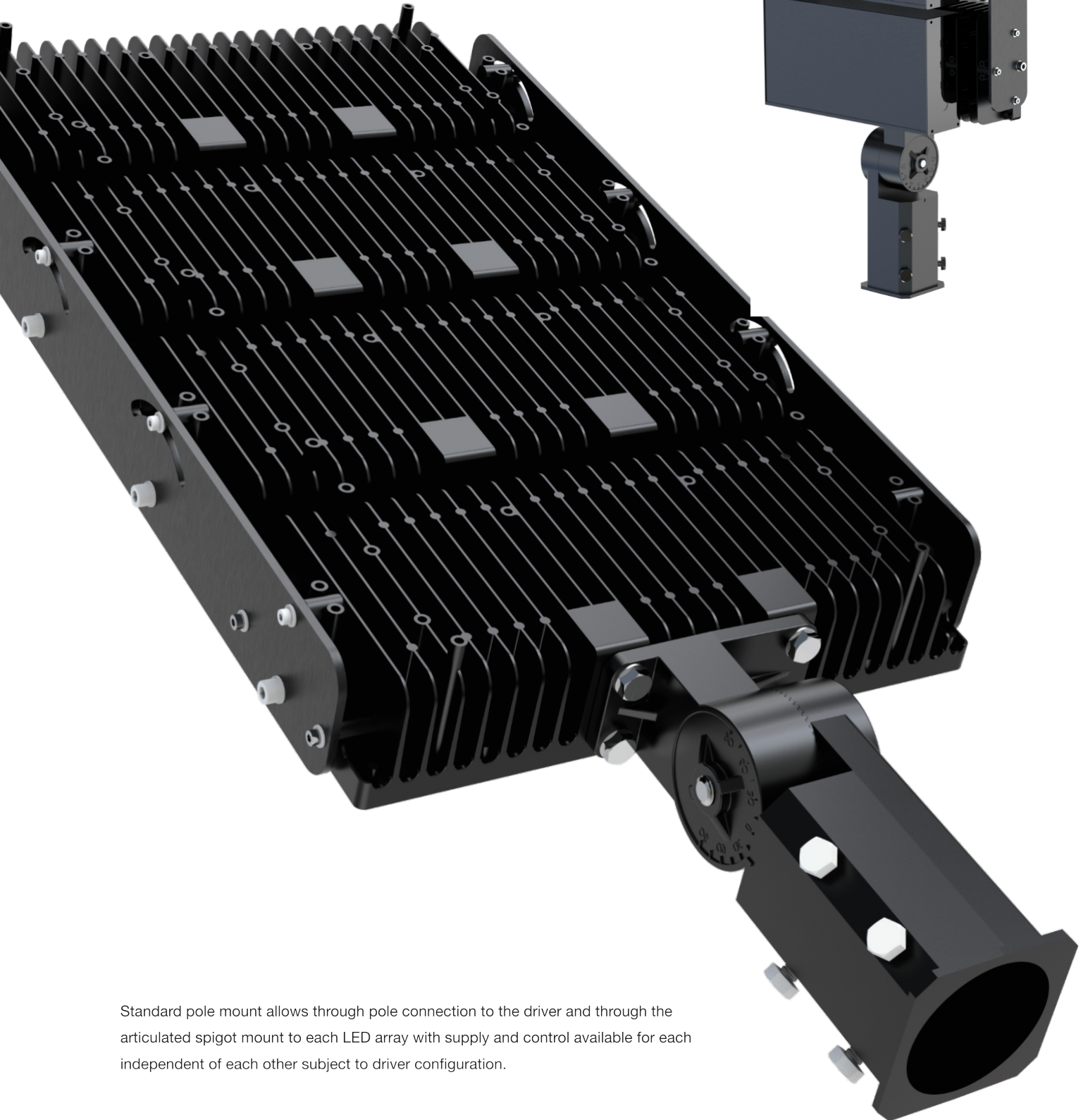
One-piece custom cast EPDM gasket provides a flexible seal between the lens and main body of the heatsink. Stainless Steel Machine screws at regular intervals, provide even pressure to gasket and a guaranteed weatherproof seal.

After reflux soldering, a chemical and moisture proof coating is applied to the PCB and LED providing a further layer of protection. Extending life and increasing resilience in harsh operational conditions.

Remote Drivers

The option to remote mount the LED drivers can reduce per luminaire load requirements by as much as 4.5KG.

Facilitating external cabinet or internal pole mounts subject to luminaire size and specification.



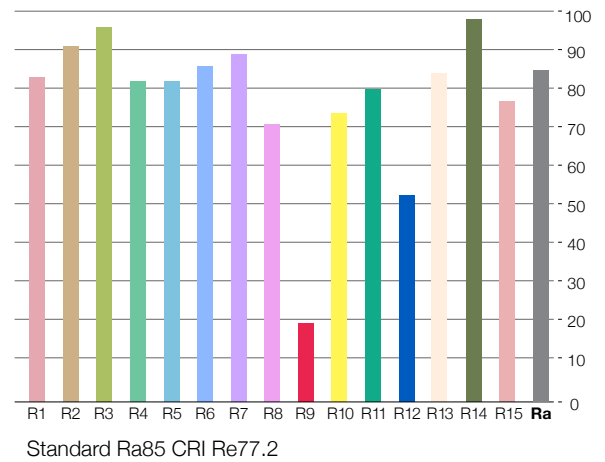
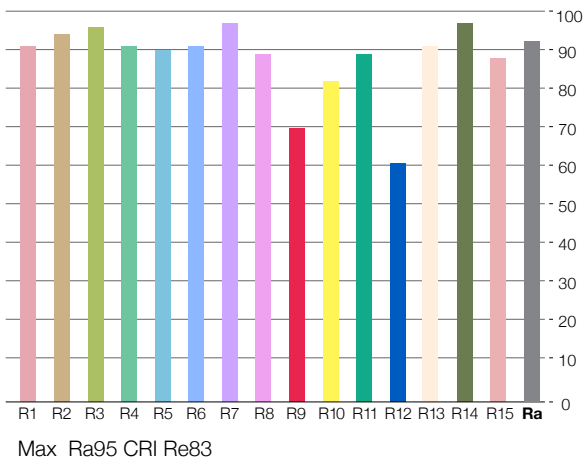
Standard pole mount allows through pole connection to the driver and through the articulated spigot mount to each LED array with supply and control available for each independent of each other subject to driver configuration.

HE LED Chipset*

187lm/W @ Ra85 ≥100,000Hrs/L85

3000K | 4000K | 5000K | 6000K

The Isollux HE LED Chip is a powerful and long-lasting dual die chipset. It delivers an incredible 187lm/W at CRI (Re) 83 while operating four times longer than industry standard with minimal losses*. The combination of L90 performance and absence of B'ratings for the fitting, provides lighting designers with the freedom to adopt tighter specification with confidence. Lowering power density and stable lux levels without the use of lighting controls.



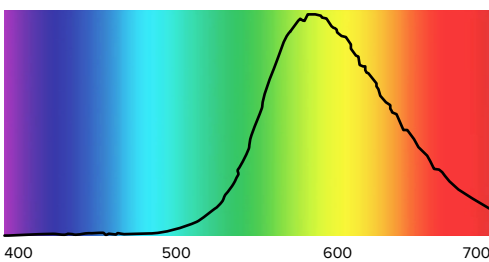
Ambrite™

Ambrite™ is a new LED chipset from Isollux that effectively eliminates blue spectrum below 500nm. Ambrite™ chipsets deliver up to 129lm/W. Effectively outperforming products that rely on colour filters or secondary optics to control and limit blue peak emissions.

All Isollux products are available with Ambrite™ chipsets with luminaire options up to IP69K, chemical resistance to quaternary cleaners and sanitisers, impact resistance to IK10 and power options from 20W-640W.

Applications include:

Photosensitive manufacturing, pharmaceuticals, brewing and exterior applications such as loading bays and pole or wall mount area lighting.

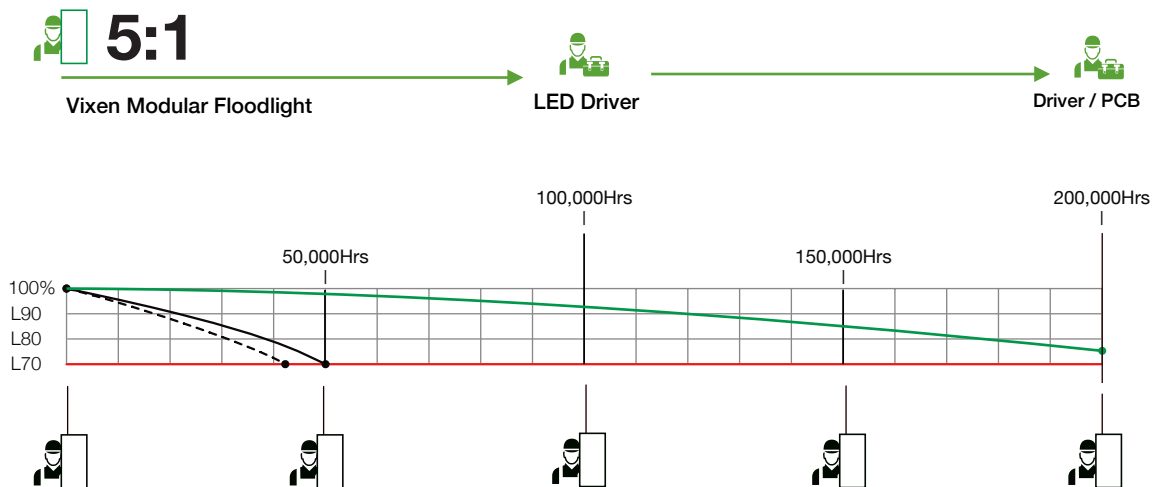


* Chipset performance before losses, TM21 Energy Star Calculations (≥9,000Hrs Zero Failures) & independent LM79/

Cost Effective and Ecologically Sound

Maintenance makes sense, financially, ecologically and practically. Our team can explain the true cost of short term thinking and help your business reduce costs and achieve a sustainable future, with scheduled maintenance.

- ▶ Reduces total cost of ownership maximising ROI and NPV
- ▶ Reduces land fill, manufacturing and supply related carbon footprint by up to 800%
- ▶ Delivers a longer practical performance life
- ▶ Supports planned and unscheduled maintenance to the maximum life of the fitting
- ▶ Minimises downtime with easily maintained and replaceable parts
- ▶ Ensures continuity of fixtures on site
- ▶ Design philosophy ensures components are easily dismantled at end of life for recycling



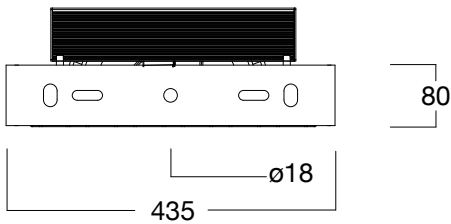
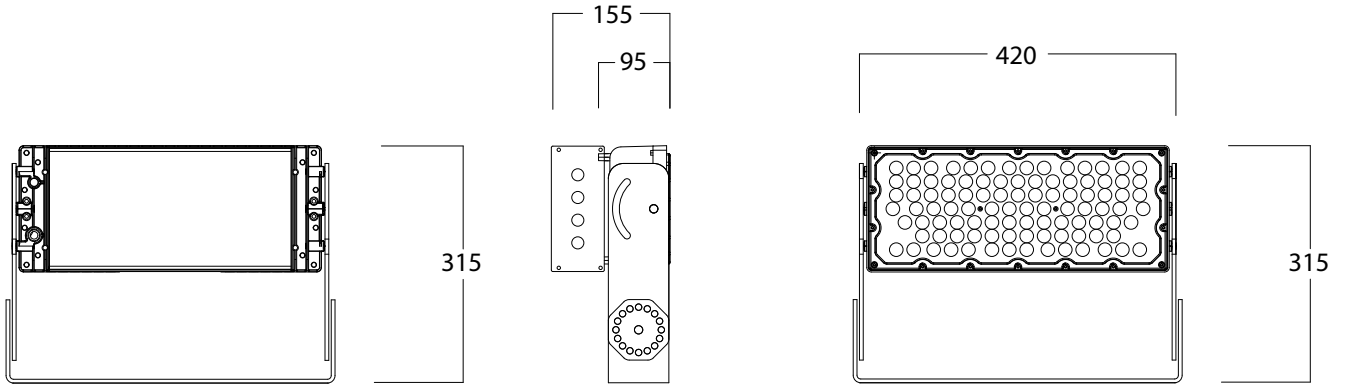
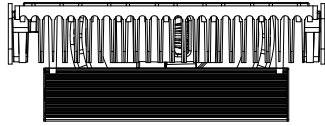
Typical service life of high power floodlight

A typical floodlight is specified to deliver 50,000 Hours / L70 (B90), Vixen maintains light output for up to five times longer allowing design calculations to L90 / 100,000 Hour service life. While capable of an extremely long service life, Isollux recommends an annual visual inspection to ensure safe operation, especially where luminaire are exposed to demanding or coastal environments. With the first major service at 10 years subject to condition of luminaire.

*HE Chipset calculated L70 247,000 Hours using the Energy Star TM-21 protocol and maximum ambient temperatures of 30°C. Report based on 9,000hr independent LM80 photometry report, zero failures and ≤ 1.4% LLF after 9,000 Hours. With Tj calculatoins at 85°C/95°C/105°C

Vixen Modular FloodLight

200W Specifications



200W Vixen Modular Floodlight	Performance			Ambient		Driver	Inrush	Weight	
	Output	Power	Efficiency	Min*	Max	Model [^]	Amps †	HM	RM
VMF-HE-X85-200W-80/150L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg
VMF-HE-X85-200W-60L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg
VMF-HE-X85-200W-45L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg
VMF-HE-X85-200W-25L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg
VMF-HE-X85-200W-15L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg

(X) Correlated Colour Temperature options include: 4000°K (4) | 5000°K (5) | 6000°K (6)

(YY) Driver Mount Option: Heat Sink Mount (HM) | Remote Mount Driver Facility (RM)

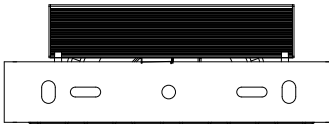
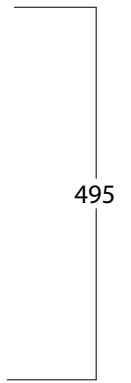
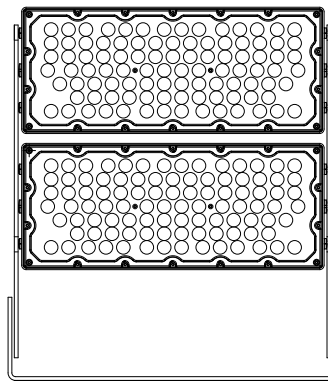
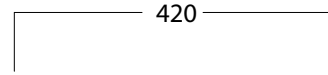
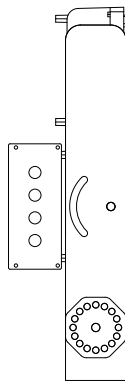
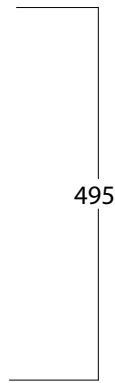
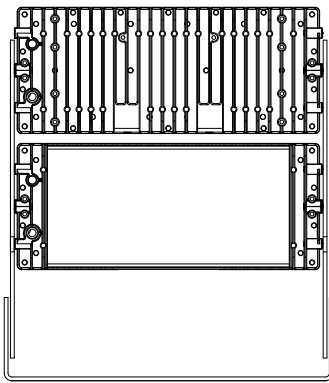
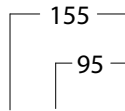
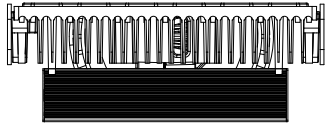
PC Lens Options: 80° x 150° (80/150L) | 60° Symmetric (60L) | 45° Symmetric (45L) | 25° Symmetric (25L) | 15° Symmetric (15L)

[^] Default Driver specification is Non-Dimming. Dimming, DALI and Zigbee Options can be an additional specification.

[†] Inrush current is provided as a guide only and may change subject to final specification.

Vixen Modular FloodLight

300W Specifications



300W Vixen Modular Floodlight	Performance			Ambient		Driver	Inrush	Weight	
	Output	Power	Efficiency	Min*	Max	Model^	Amps †	HM	RM
VMF-HE-X85-300W-80/150L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg
VMF-HE-X85-200W-60L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg
VMF-HE-X85-300W-45L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg
VMF-HE-X85-300W-25L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg
VMF-HE-X85-300W-15L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg

(X) Correlated Colour Temperature options include: 4000°K (4) | 5000°K (5) | 6000°K (6)

(YY) Driver Mount Option: Heat Sink Mount (HM) | Remote Mount Driver Facility (RM)

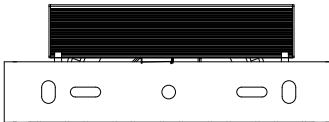
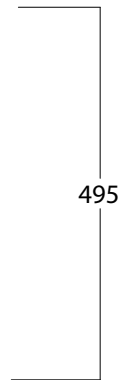
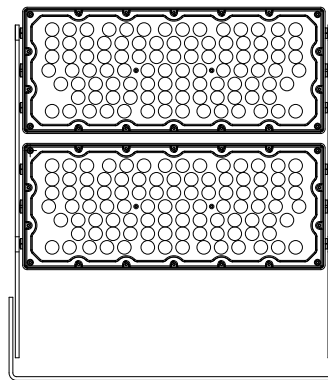
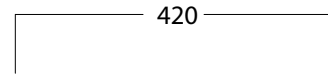
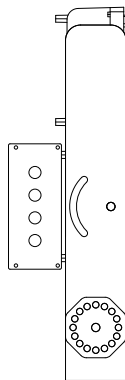
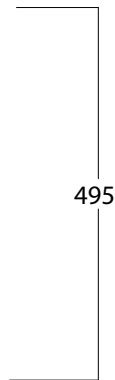
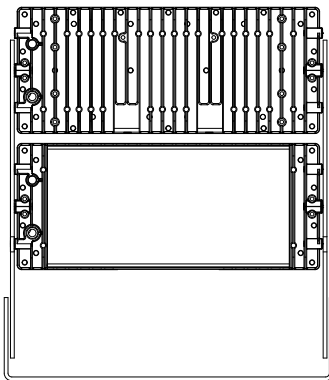
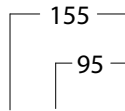
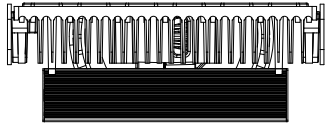
PC Lens Options: 80° x 150° (80/150L) | 60° Symmetric (60L) | 45° Symmetric (45L) | 25° Symmetric (25L) | 15° Symmetric (15L)

^ Default Driver specification is Non-Dimming. Dimming, DALI and Zigbee Options can be an additional specification.

† Inrush current is provided as a guide only and may change subject to final specification.

Vixen Modular FloodLight

400W Specifications



400W Vixen Modular Floodlight	Performance			Ambient		Driver	Inrush	Weight	
	Output	Power	Efficiency	Min*	Max	Model [^]	Amps †	HM	RM
VMF-HE-X85-400W-80/150L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg
VMF-HE-X85-400W-60L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg
VMF-HE-X85-400W-45L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg
VMF-HE-X85-400W-25L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg
VMF-HE-X85-400W-15L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg

(X) Correlated Colour Temperature options include: 4000°K (4) | 5000°K (5) | 6000°K (6)

(YY) Driver Mount Option: Heat Sink Mount (HM) | Remote Mount Driver Facility (RM)

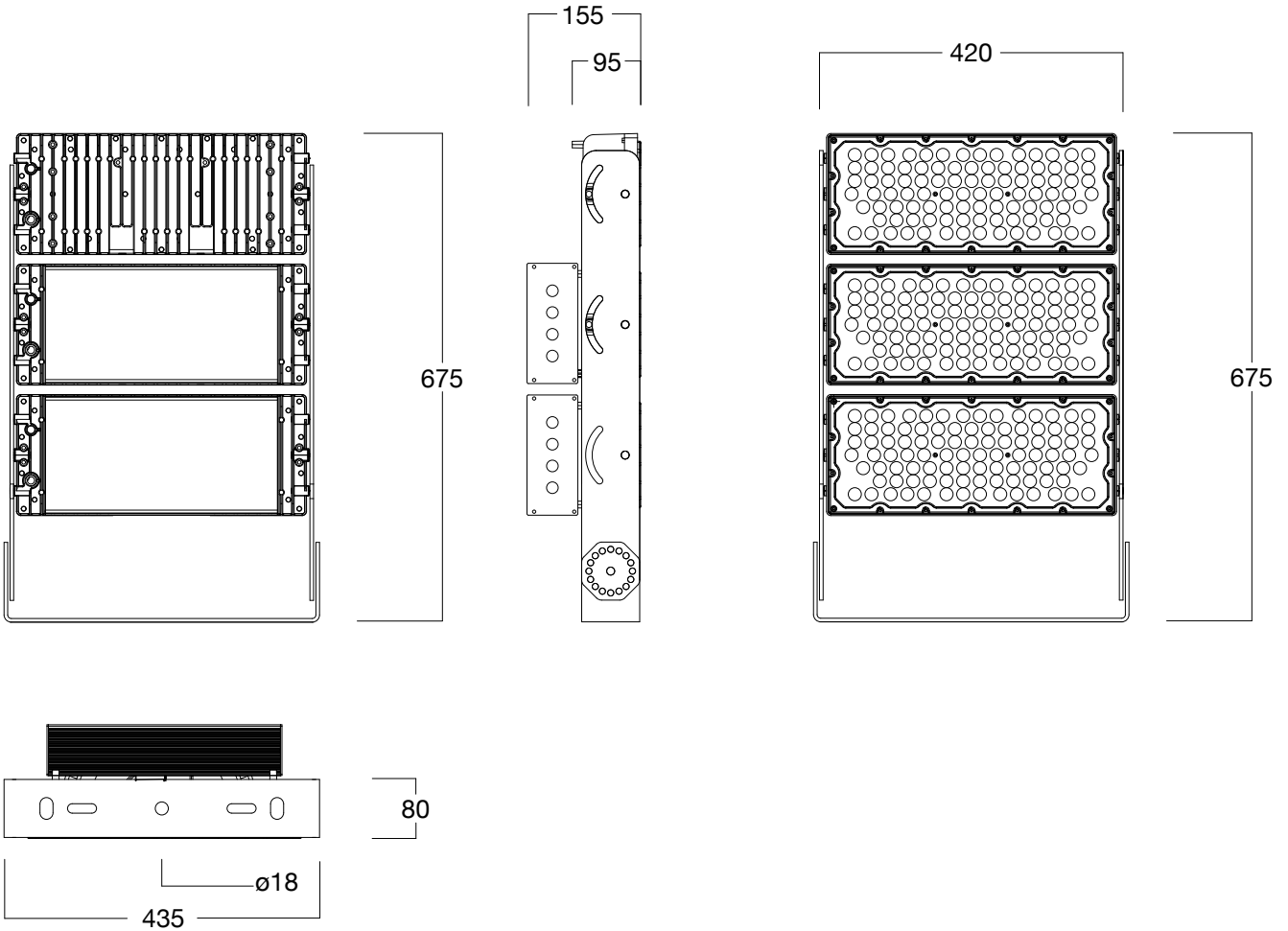
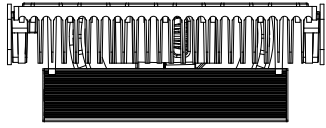
PC Lens Options: 80° x 150° (80/150L) | 60° Symmetric (60L) | 45° Symmetric (45L) | 25° Symmetric (25L) | 15° Symmetric (15L)

[^] Default Driver specification is Non-Dimming. Dimming, DALI and Zigbee Options can be an additional specification.

† Inrush current is provided as a guide only and may change subject to final specification.

Vixen Modular FloodLight

500W Specifications



500W Vixen Modular Floodlight	Performance			Ambient		Driver	Inrush	Weight	
	Output	Power	Efficiency	Min*	Max	Model [^]	Amps †	HM	RM
VMF-HE-X85-500W-80/150L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg
VMF-HE-X85-500W-60L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg
VMF-HE-X85-500W-45L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg
VMF-HE-X85-500W-25L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg
VMF-HE-X85-500W-15L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg

(X) Correlated Colour Temperature options include: 4000°K (4) | 5000°K (5) | 6000°K (6)

(YY) Driver Mount Option: Heat Sink Mount (HM) | Remote Mount Driver Facility (RM)

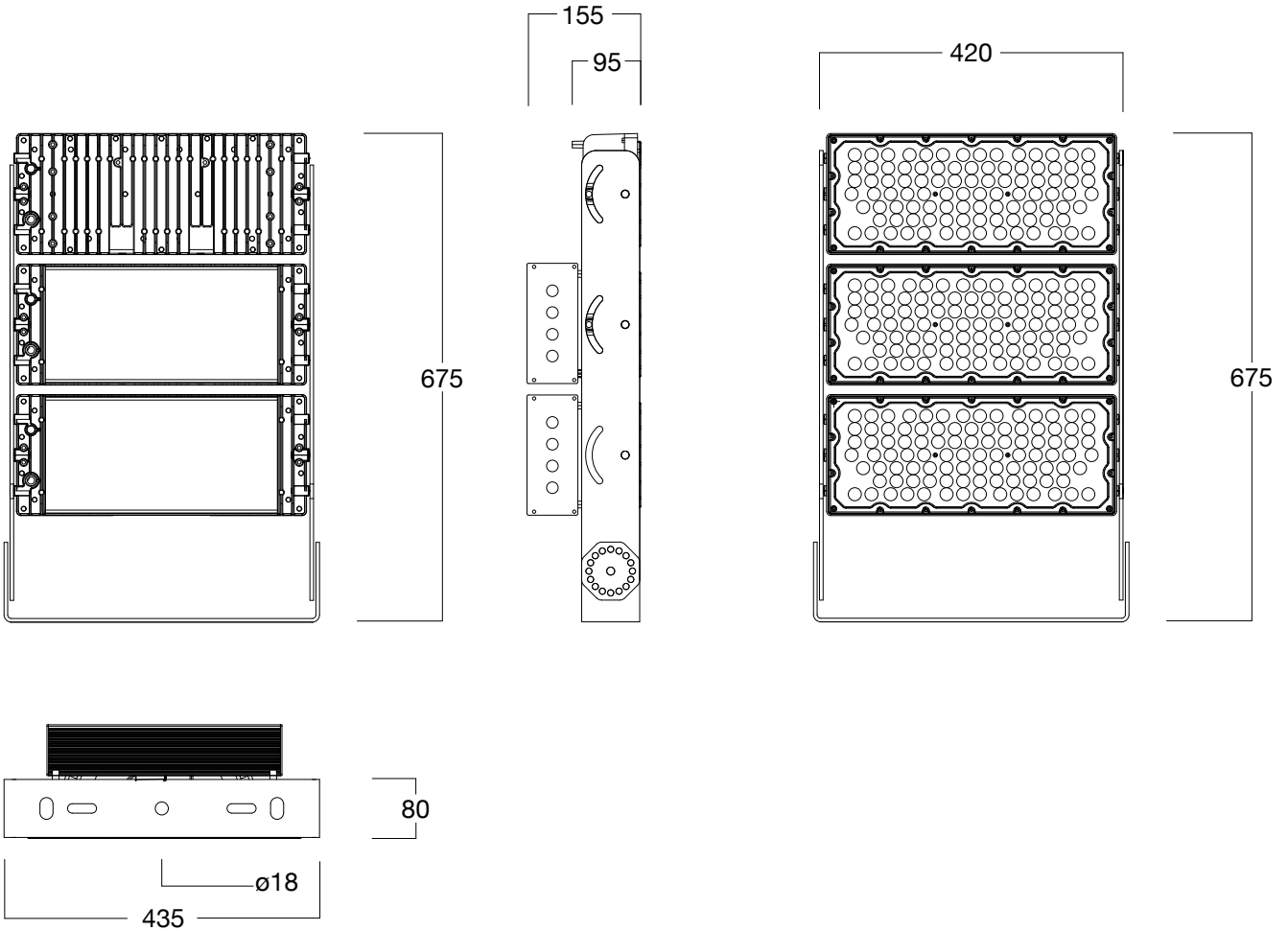
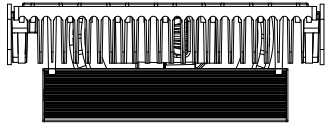
PC Lens Options: 80° x 150° (80/150L) | 60° Symmetric (60L) | 45° Symmetric (45L) | 25° Symmetric (25L) | 15° Symmetric (15L)

[^] Default Driver specification is Non-Dimming. Dimming, DALI and Zigbee Options can be an additional specification.

[†] Inrush current is provided as a guide only and may change subject to final specification.

Vixen Modular FloodLight

600W Specifications



600W Vixen Modular Floodlight	Performance			Ambient		Driver	Inrush	Weight	
	Output	Power	Efficiency	Min*	Max	Model [^]	Amps †	HM	RM
VMF-HE-X85-600W-80/150L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg
VMF-HE-X85-600W-60L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg
VMF-HE-X85-600W-45L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg
VMF-HE-X85-600W-25L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg
VMF-HE-X85-600W-15L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg

(X) Correlated Colour Temperature options include: 4000°K (4) | 5000°K (5) | 6000°K (6)

(YY) Driver Mount Option: Heat Sink Mount (HM) | Remote Mount Driver Facility (RM)

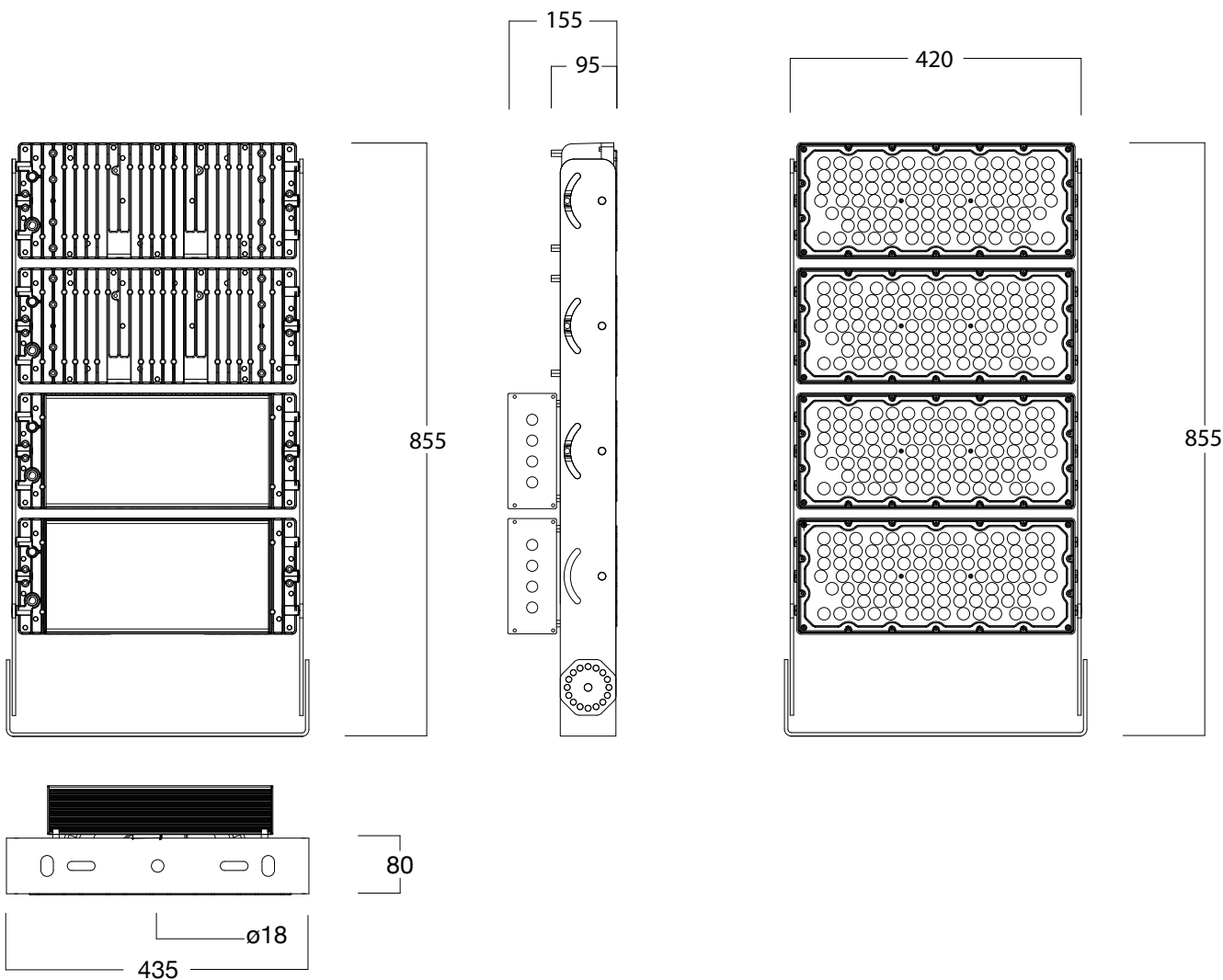
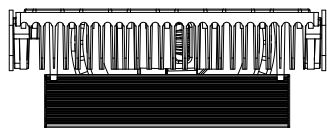
PC Lens Options: 80° x 150° (80/150L) | 60° Symmetric (60L) | 45° Symmetric (45L) | 25° Symmetric (25L) | 15° Symmetric (15L)

[^] Default Driver specification is Non-Dimming. Dimming, DALI and Zigbee Options can be an additional specification.

† Inrush current is provided as a guide only and may change subject to final specification.

Vixen Modular FloodLight

800W Specifications



800W Vixen Modular Floodlight	Performance			Ambient		Driver	Inrush	Weight	
	Output	Power	Efficiency	Min*	Max	Model [^]	Amps †	HM	RM
VMF-HE-X85-800W-80/150L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg
VMF-HE-X85-800W-60L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg
VMF-HE-X85-800W-45L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg
VMF-HE-X85-800W-25L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg
VMF-HE-X85-800W-15L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg

(X) Correlated Colour Temperature options include: 4000°K (4) | 5000°K (5) | 6000°K (6)

(YY) Driver Mount Option: Heat Sink Mount (HM) | Remote Mount Driver Facility (RM)

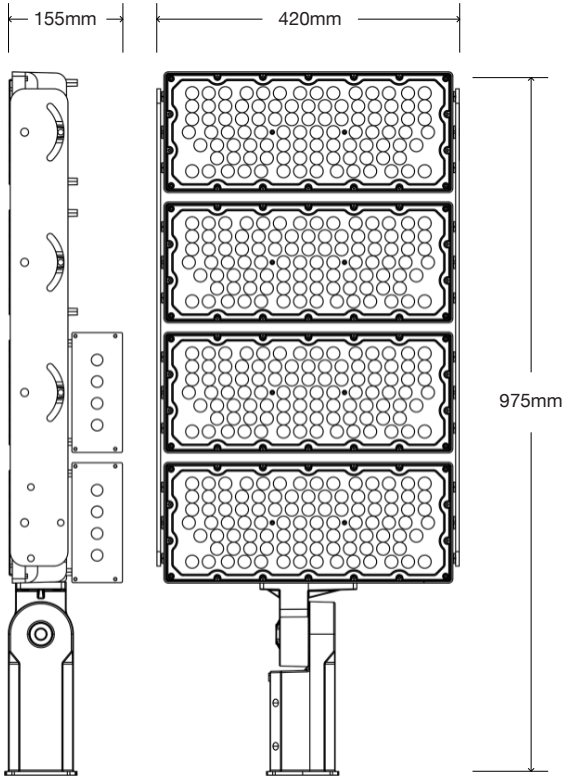
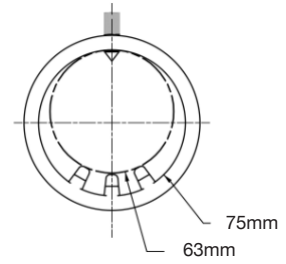
PC Lens Options: 80° x 150° (80/150L) | 60° Symmetric (60L) | 45° Symmetric (45L) | 25° Symmetric (25L) | 15° Symmetric (15L)

[^] Default Driver specification is Non-Dimming. Dimming, DALI and Zigbee Options can be an additional specification.

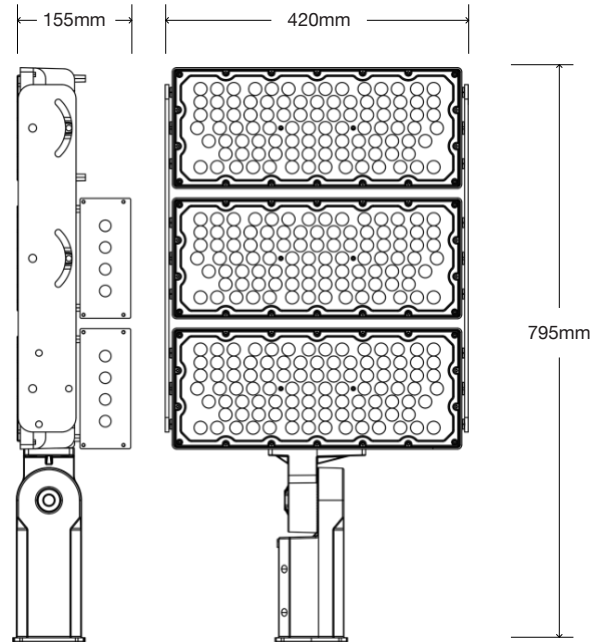
[†] Inrush current is provided as a guide only and may change subject to final specification.

Vixen Modular FloodLight

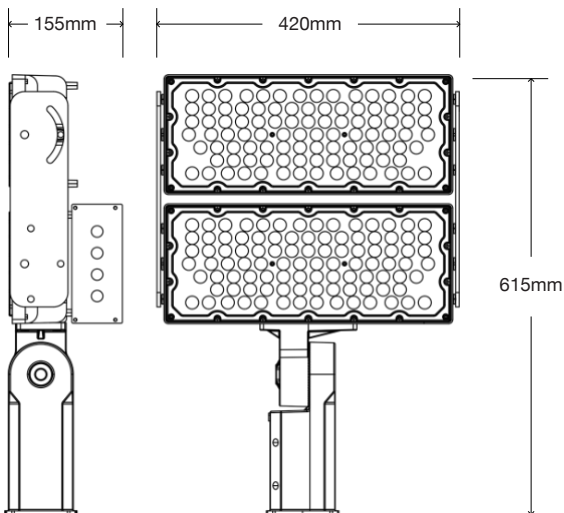
Spigot Mount Specifications



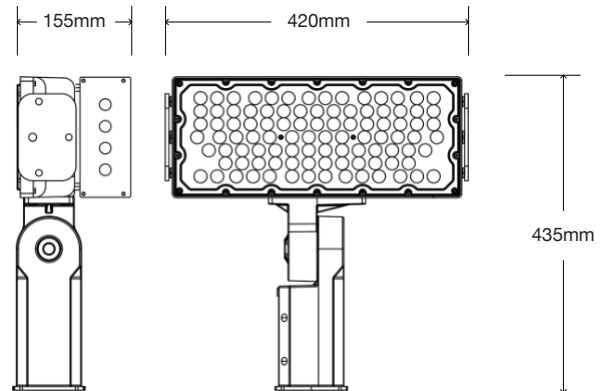
800W (MAX 1000W)



500W/600W (MAX 750W)



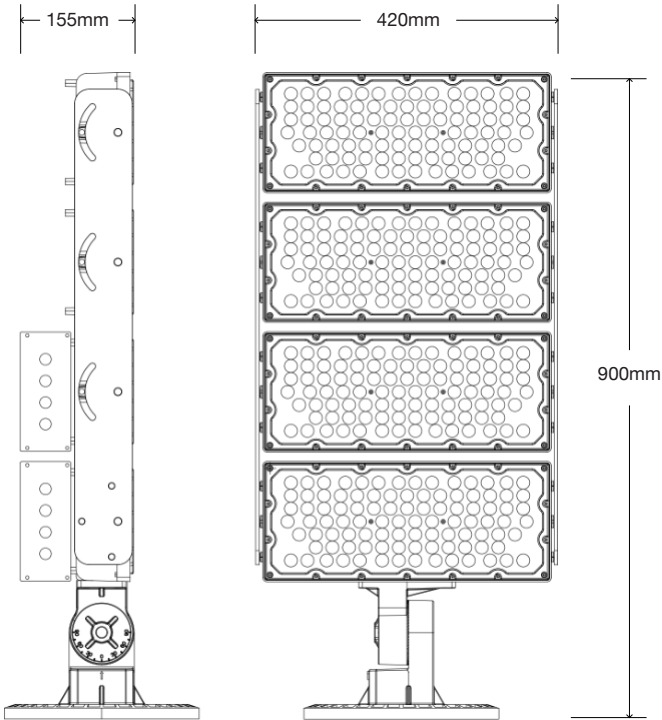
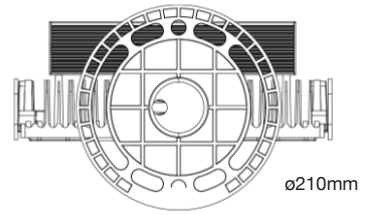
400W/300W (MAX 500W)



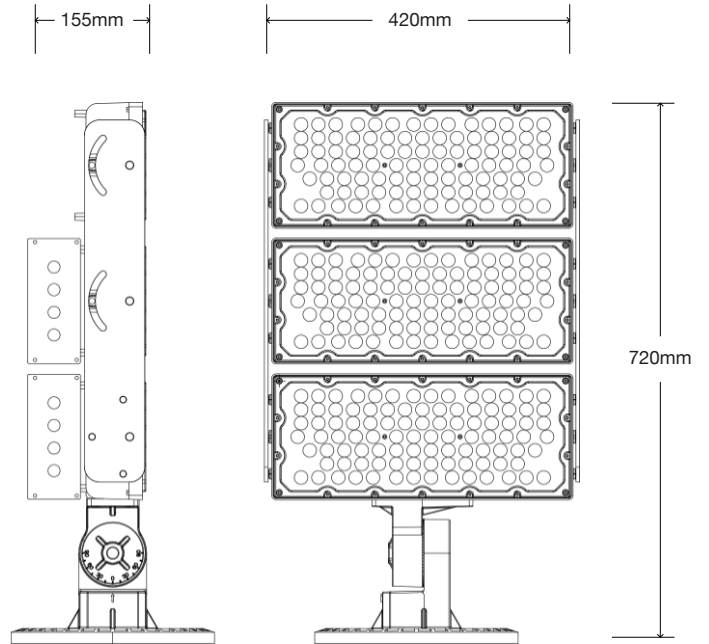
200W (MAX 250W)

Vixen Modular FloodLight

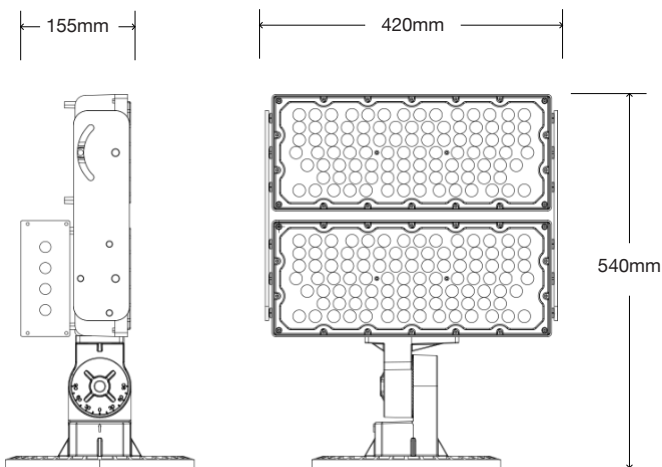
Pedestal Mount Specifications



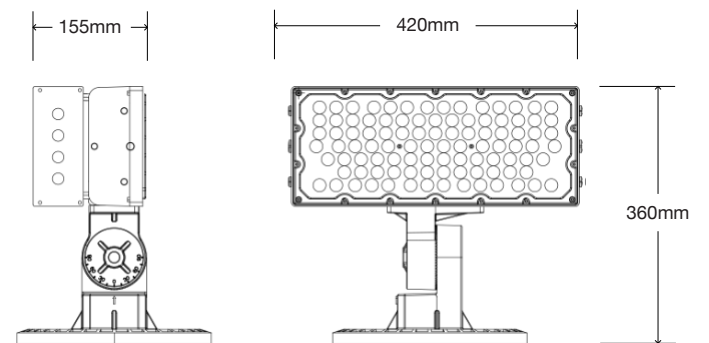
800W (MAX 1000W)



500W/600W (MAX 750W)



400W/300W (MAX 500W)



200W (MAX 250W)

Vixen Modular FloodLight Specifications

HE Chipset, IP65, Chemical and Moisture Resistant with Multiple PC Lens Options, Pole Mount or Spigot Mount

PRODUCT	PERFORMANCE			AMBIENT		DRIVER	INRUSH	WEIGHT	
Model Number	Output	Power	Efficiency	Min*	Max	Model^	Amps †	HM	RM
200W									
VMF-HE-X85-200W-80/150L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg
VMF-HE-X85-200W-60L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg
VMF-HE-X85-200W-45L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg
VMF-HE-X85-200W-25L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg
VMF-HE-X85-200W-15L-1YY-ND	28,000lm	200W	140lm/W	-40°C	50°C	1 x EUM-240	73.5A	8.8kg	7.7kg
300W									
VMF-HE-X85-300W-80/150L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg
VMF-HE-X85-300W-60L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg
VMF-HE-X85-300W-45L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg
VMF-HE-X85-300W-25L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg
VMF-HE-X85-300W-15L-2YY-ND	42,000lm	300W	140lm/W	-40°C	50°C	2 x EUM-150	163A	13.4kg	11.4kg
400W									
VMF-HE-X85-400W-80/150L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg
VMF-HE-X85-400W-60L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg
VMF-HE-X85-400W-45L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg
VMF-HE-X85-400W-25L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg
VMF-HE-X85-400W-15L-2YY-ND	56,000lm	400W	140lm/W	-40°C	50°C	2 x EUM-240	147A	13.6kg	11.4kg
500W									
VMF-HE-X85-500W-80/150L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg
VMF-HE-X85-500W-60L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg
VMF-HE-X85-500W-45L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg
VMF-HE-X85-500W-25L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg
VMF-HE-X85-500W-15L-2YY-ND	70,000lm	500W	140lm/W	-40°C	50°C	2 x EUM-320	245A	18.7kg	14.1kg
600W									
VMF-HE-X85-600W-80/150L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg
VMF-HE-X85-600W-60L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg
VMF-HE-X85-600W-45L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg
VMF-HE-X85-600W-25L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg
VMF-HE-X85-600W-15L-2YY-ND	84,000lm	600W	140lm/W	-40°C	50°C	2 x EUM-320	221A	18.7kg	14.1kg
800W									
VMF-HE-X85-800W-80/150L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg
VMF-HE-X85-800W-60L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg
VMF-HE-X85-800W-45L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg
VMF-HE-X85-800W-25L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg
VMF-HE-X85-800W-15L-4YY-ND	112,000lm	800W	140lm/W	-40°C	50°C	4 x EUM-240	294A	22.5kg	18.1kg

(X) Correlated Colour Temperature options include: 4000°K (4) | 5000°K (5) | 6000°K (6)

(YY) Driver Mount Option: Heat Sink Mount (HM) | Remote Mount Driver Facility (RM)

PC Lens Options: 80° x 150° (80/150L) | 60° Symmetric (60L) | 45° Symmetric (45L) | 25° Symmetric (25L) | 15° Symmetric (15L)

^ Default Driver specification is Non-Dimming. Dimming, DALI and Zigbee Options can be an additional specification.

† Inrush current is provided as a guide only and may change subject to final specification.



Contact: Paul Stoddart

Mobile: + 64 72 823 716

E.mail: paul.stoddart@the-energy-practice.com

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