



High Mast LED Flood Light (Large Housing)

Product Features

- Available in 300w to 800w
- Quality Meanwell Driver
- 10kV Surge Protector
- Aluminium die cast housing
- Tempered glass face
- Forward throw lens (asymmetric) providing low glare and minimal light spill to meet Australian Standards
- Corrosion resistant polyester powder coat finish
- IP65 Housing



Specification Overview

Model	Power	Power Requirement	Colour Temp	Lumens	Beam Angle	Trim Colour	Dimensions
ST-HML300N-2V	300w	100~277VAC	5000K	38100lm	Forward throw narrow	Black	738 x 742 x 170mm
ST-HML300N-V	300w	100~277VAC	5000K	37493lm	Forward throw wide	Black	738 x 742 x 170mm
ST-HML400N-2V	400w	100~277VAC	5000K	48300lm	Forward throw narrow	Black	738 x 742 x 170mm
ST-HML400N-V	400w	100~277VAC	5000K	48206lm	Forward throw wide	Black	738 x 742 x 170mm
ST-HML500N-2V	500w	100~277VAC	5000K	56000lm	Forward throw narrow	Black	738 x 742 x 170mm
ST-HML500N-V	500w	100~277VAC	5000K	55124lm	Forward throw wide	Black	738 x 742 x 170mm
ST-HML600N-2V	600w	100~277VAC	5000K	75620lm	Forward throw narrow	Black	738 x 742 x 170mm
ST-HML600N-V	600w	100~277VAC	5000K	72094lm	Forward throw wide	Black	738 x 742 x 170mm
ST-HML800N-2V	800w	100~277VAC	5000K	109662lm	Forward throw narrow	Black	738 x 742 x 170mm
ST-HML800N-V	800w	100~277VAC	5000K	105950lm	Forward throw wide	Black	738 x 742 x 170mm

Product Specification



300w High Mast LED Flood Light (Large Housing)

Specification	Narrow Beam	Wide Beam
Model	ST-HML300N-2V	ST-HML300N-V
Colour Temperature (1CCT)	5000K (others optional)	
Lumen (lm)	38100lm	37493lm
Efficiency (lm/w)	>125lm/w	
Light Source	Nichia LED	
CRI (%)	≥80	
Beam Angle	Asymmetric (Forward Throw) Narrow	Asymmetric (Forward Throw) Wide
Power Requirement	100~277VAC (180~528V optional)	
Power Consumption	300w	
Dimmable	Optional (0-10V or Dali)	
Housing	Diecast aluminium with toughened glass lens	
Lifespan	>50,000 hours	
Operation Temperature	-40°C~+70°C	
Product Dimension	738 x 742 x 170mm	
Impact Rating	IK08	
Weight	27.8kg	
Protection Rating	IP65	
Warranty	7 Years	

Specifications are subject to change without notice

Product Specification



400w High Mast LED Flood Light (Large Housing)

Specification	Narrow Beam	Wide Beam
Model	ST-HML400N-2V	ST-HML400N-V
Colour Temperature (1CCT)	5000K (others optional)	
Lumen (lm)	48300lm	48206lm
Efficiency (lm/w)	>120lm/w	
Light Source	Nichia LED	
CRI (%)	≥80	
Beam Angle	Asymmetric (Forward Throw) Narrow	Asymmetric (Forward Throw) Wide
Power Requirement	100~277VAC (180~528V optional)	
Power Consumption	400w	
Dimmable	Optional (0-10V or Dali)	
Housing	Diecast aluminium with toughened glass lens	
Lifespan	>50,000 hours	
Operation Temperature	-40°C~+70°C	
Product Dimension	738 x 742 x 170mm	
Impact Rating	IK08	
Weight	28.3kg	
Protection Rating	IP65	
Warranty	7 Years	

Specifications are subject to change without notice

Product Specification



500w High Mast LED Flood Light (Large Housing)

Specification	Narrow Beam	Wide Beam
Model	ST-HML500N-2V	ST-HML500N-V
Colour Temperature (1CCT)	5000K (others optional)	
Lumen (lm)	56000lm	55124lm
Efficiency (lm/w)	>112lm/w	
Light Source	Nichia LED	
CRI (%)	≥80	
Beam Angle	Asymmetric (Forward Throw) Narrow	Asymmetric (Forward Throw) Wide
Power Requirement	100~277VAC (180~528V optional)	
Power Consumption	500w	
Dimmable	Optional (0-10V or Dali)	
Housing	Diecast aluminium with toughened glass lens	
Lifespan	>50,000 hours	
Operation Temperature	-40°C~+70°C	
Product Dimension	738 x 742 x 170mm	
Impact Rating	IK08	
Weight	28.9kg	
Protection Rating	IP65	
Warranty	7 Years	

Specifications are subject to change without notice

Product Specification



600w High Mast LED Flood Light (Large Housing)

Specification	Narrow Beam	Wide Beam
Model	ST-HML600N-2V	ST-HML600N-V
Colour Temperature (1CCT)	5000K (others optional)	
Lumen (lm)	75620lm	72094lm
Efficiency (lm/w)	>120lm/w	
Light Source	Nichia LED	
CRI (%)	≥80	
Beam Angle	Asymmetric (Forward Throw) Narrow	Asymmetric (Forward Throw) Wide
Power Requirement	100~277VAC (180~528V optional)	
Power Consumption	600w	
Dimmable	Optional (0-10V or Dali)	
Housing	Diecast aluminium with toughened glass lens	
Lifespan	>50,000 hours	
Operation Temperature	-40°C~+70°C	
Product Dimension	738 x 742 x 170mm	
Impact Rating	IK08	
Weight	28.9kg	
Protection Rating	IP65	
Warranty	7 Years	

Specifications are subject to change without notice

Product Specification



800w High Mast LED Flood Light (Large Housing)

Specification	Narrow Beam	Wide Beam
Model	ST-HML800N-2V	ST-HML800N-V
Colour Temperature (1CCT)	5000K (others optional)	
Lumen (lm)	109,662lm	105,950lm
Efficiency (lm/w)	>132lm/w	
Light Source	Nichia LED	
CRI (%)	≥80	
Beam Angle	Asymmetric (Forward Throw) Narrow	Asymmetric (Forward Throw) Wide
Power Requirement	100~277VAC (180~528V optional)	
Power Consumption	800w	
Dimmable	Optional (0-10V or Dali)	
Housing	Diecast aluminium with toughened glass lens	
Lifespan	>50,000 hours	
Operation Temperature	-40°C~+70°C	
Product Dimension	738 x 742 x 170mm	
Impact Rating	IK08	
Weight	31.1kg	
Protection Rating	IP65	
Warranty	7 Years	

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Product Specification



High Mast LED Flood Light (Large Housing)

Large Housing Drawing

