



LED®

High Mast™

americanlite®

We light your world™





High Mast™

500w/600w/750w

Type V	Type II	
Nema 6	Nema 5	Nema 4
UL LISTED	DLC Premium	RoHS
Wet Location	IP65	IK08
3G Vibration Tested	LM79	LM80
Lumens Up to 150 LxW	CCT 4K-5K	CRI > 70
Dim 0-10V	VOLTS 120-277	20kV Surge Protection
PF >.90	THD ≤20%	40°C-45°C
120,000	10 YEAR Warranty	

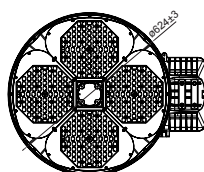
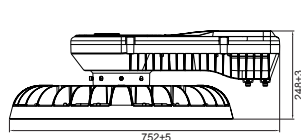
High mast lighting is commonly used to illuminate large areas from a very high mounting height, typically on poles ranging in height from 50ft to 150ft and are mounted to those poles via Fixed Rings or Lowering Devices. LED high mast lights are currently the most cost effective and efficient way of providing even and controlled illumination of large outdoor areas due to the high mounting height and multiple luminaire configuration.

Americanlite® High Mast Luminaire combines high output and efficiency with easy installation and affordability. Developed for new construction and retrofit applications, the Americanlite® High Mast luminaire is designed for installations in need of high lumen packages with accurate optical control.

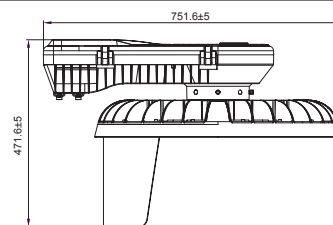
Industrial grade die cast aluminum housing >2mm thickness, with thermal management transfers heats away from the LED source for optimal efficiency, light output and lumen maintenance. Housing and cast parts finished in Multi-stage super durable polyester powder coat paint, providing 60-100um nominal thickness and salt-spray level to 1,000 hours per ASTM B117. State of the art UL IP67 Class P driver, Surge Protection: CM: 10kV, DM: 6kV, Superior High Flux Led Chips and UL IP65 20KV SPD are all standard. For the ultimate level of spill light control, an optional house side shield accessory is available.

Americanlite® High Mast luminaire is a high performance and affordable solution for highways, interchanges, ports, rail yards, container yards, parking lots, prisons, security lighting, treatment plants and other facilities in need of high lumen packages with accurate optical control.

Dimensions (mm)



Side Shield



Ordering information

Model	Power	Lumens	Beam	CCT	LED Chip	Options
AL575280	500w	73000	Blank Type V	Blank 5000K	Blank Seoul 5050	S Side Shield
AL575281	600w	87600	T2 Type II	57 5700K	(Type V, Nema 4/5/6)	3P 3 Pin Photobase
AL575282	750w	111750	N6 90° x 90°	4 4000K	B Bridgelux 3030	7P 7 Pin Photobase
			N5 60° x 60°		(Type V, Type II)	48 277-480V
			N4 30° x 30°			

Notes

- Lumen tolerance up to 10%
- LED Chips: Seoul 5050 (Type V, Nema 4/5/6) Lumens based on 5000K 5700K up to 150lxw 5000K up to 149lxw 4000K up to 147 lxw
- LED Chips: Bridgelux 3030 (Type V, Type II) 5700K / 5000K / 4000K = 145 lxw
- Driver Brand: Sosen 500w = SS-200VP-190BH, 3 drivers 600w = SS-150VP-143BH, 4 drivers 750w = SS-200VP-190BH 4 drivers
- Surge Protection built in on driver: L/N-PE: 10kV, L-N: 6kV
- L90 > 54,000 Hours
- Distribution: Type V = 155° x 155° Nema 6 = 90° x 90° Nema 5 = 60° x 60° Nema 4 = 30° x 30°
- Housing: >2mm Thickness
- Aluminum reflector: 2mm thickness
- Paint Thickness: 60-100um
- Paint color: RAL9051
- Pole size recommended: 40-60mm inserts 150mm
- 120,000 hours < 65°C Case Temperature
- Vibration Test GB/T 2423.10-2019, C136.31-2010 = 3G pass
- Salt chamber test: 1000 hours
- The cable is UL certified, SJOW, Black color (Φ8±0.3MM), black/white/green wire core, wire 3×0.824MM2, 18AWG, 105°C, 300V (Standard wire is 1.2m, outside 1m)
- EPA: 1.49ft²
- 10Y warranty on parts (Labor not included)

Packing information

Model	Pieces per master	Box Dimensions (cm)	CBM (Master)	Gross Weight (KG)
500w/600w/750w	1	85 x 75 x 35	0.2231	27.4 / 28 / 29



Warranty

Americanlite® is pleased to provide a 10 year limited warranty covering the LED fixtures on this catalogue. Americanlite® warrants that the LED fixtures comply with Americanlite®'s published specifications and are free from defects in materials and workmanship.

All our equipment is CE, ETL or UL approved and manufactured with approved components. Americanlite® reserves the right to change or improve the design or components of any of its products due to parts availability or changes in standards, without assuming any obligation to modify any product previously manufactured and without notice. All equipment is tested and inspected before shipment.

This warranty is void if the product is operated outside of its normal operating conditions. The foregoing warranty does not apply to failures caused by acts of God or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code or instructions for use in installations, including, but not limited to, those contained in the Standards for the International Electrotechnical Commission. Americanlite® reserves and has the right to examine failed fixtures to determine the cause of failure, excessive lumen depreciation and patterns of usage.