

# NationalLED

## Arena Glow Champion Sports Light

Project

Date

Catalog Number

Type

Large Size: 500W,  
850W & 1200W

Small Size:  
500W & 600W



### Specifications

#### Construction

- Strong and durable sealed die-casting profile for outdoor applications.
- Low profile, compact design minimizes wind load requirements.
- Housing is completely sealed against moisture and environmental contaminants (IP65).

#### Performance

- Available in NEMA 2Hx2V, 3Hx3V, 4Hx4V, 5Hx5V, 6Hx6V distributions.
- Light engines are available in standard 4000 K & 5000K and 5700 K (70/80/90 CRI) configurations.
- Scalable Lumen Packages from 72,000 to 180,000 Lumens.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

#### Lifespan

- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### Installation

- Designed for installation with included trunion bracket.
- The Yoke Adaptor(option)is designed to slipfit a 2 3/8" to 3" O.D. tenon.

#### Electrical

- Ultra-wide input voltage: 200-480VAC or 120-277V.
- Standard with 0-10V dimming driver(s)
- Built in surge suppression with max 40KV.
- THD: ≤15%
- Power Factor: ≥90%

#### Ambient Temperature

- Ambient operating temperature -40°F to 122°F.

#### Certification

- UL cUL wet location listed.

#### Warranty

- Standard 5-year limited warranty.
- 10-year Optional

### ORDERING GUIDE

Example: AGC 500 LV 4K BK B33 TR WC BLANK

Fixture Type	Wattage	Voltage	CCT	Finish	Nema	Mounting (Option)	Integrated Control	Internal Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
AGC Sports light	500 <sup>1</sup> 500W 600 600W 850 850W 1200 1200W	LV 120-277V HV2 200-480V	4K 4000K 5K 5000K 57K 5700K	BK Black	B22 2Hx2V B33 3Hx3V B44 4Hx4V B55 5Hx5V2 B66 6Hx6V2	TR Trunion	WC With Integrated Control Blank Without Integrated Control	Blank Alphanumeric

Note: 1. Only 500W optional for 120-277V input voltage.

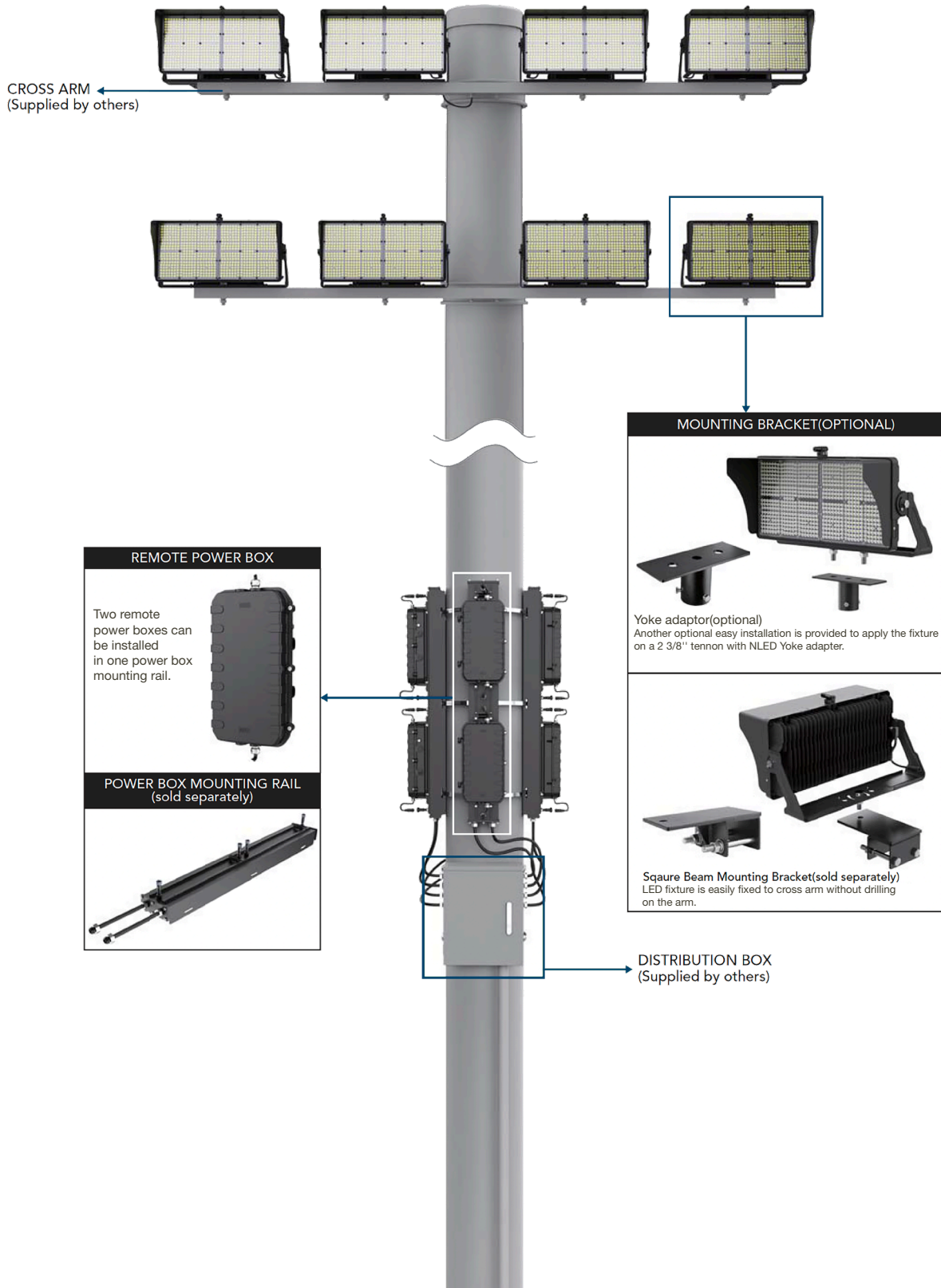
AGC

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Due to continued product improvements, product specifications are subject to change without notice. Please visit [www.NationalLED.com](http://www.NationalLED.com) for the most updated product specifications.

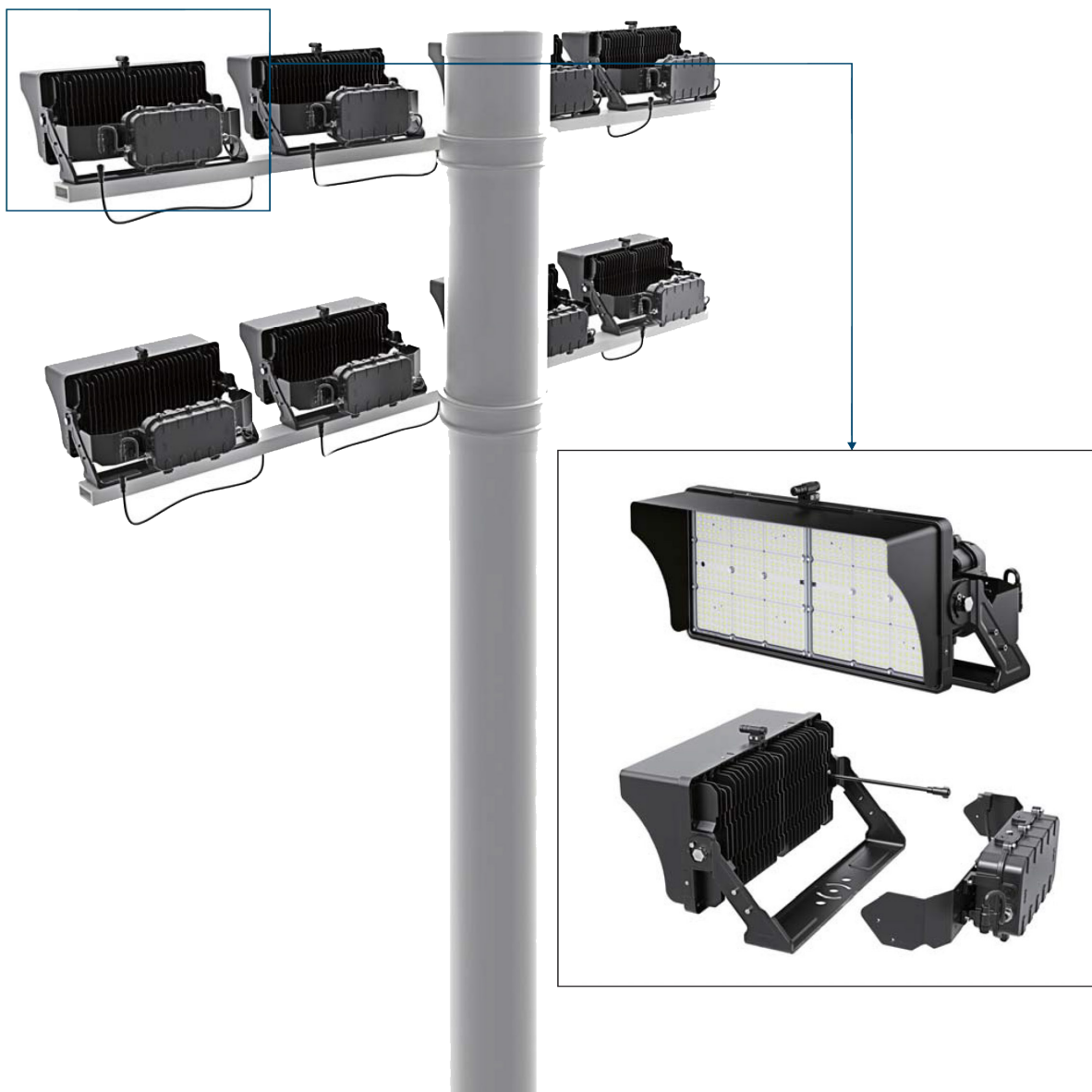
## Remote Power Box (Optional)

The Arena Glow Champion supports remote installation of the drive power - simple installation, access and maintenance of the equipment can be met by placing the drive power of the fixture at the bottom of the pole by using a fixture and extension power cord (sold separately).



## Remote Power Attached (Optional)

The fixture with separate power can be installed on the top of the light pole as a whole unit, which is simple and fast way, without additional labor costs to install the driver. It is also beneficial to reduce the power consumption of fixtures caused by remote wiring, save energy and improve efficiency.



## Integrated Controls

The fixture is compatible with Synapse™ wireless control system, including RGB sports lighting. It offers a smart, stable and imaginative lighting control solution to your sports facility.



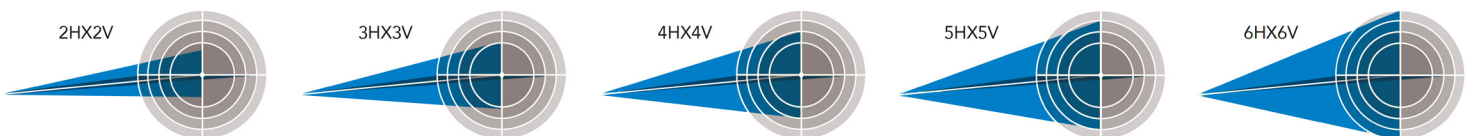
## Performance Data

SIZE	SYSTEM WATTS	VOLTAGE	EPA	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)	LUMENS (5700K)	LPW (5700K)
Small Size	500W	120-277V 200-480V	1.8202	70	75000lm	150 lm/W	75000lm	150 lm/W	72000lm	144 lm/W
Small Size	600W	200-480V	1.8202	70	92000lm	153 lm/W	92000lm	153 lm/W	90000lm	150 lm/W
Large Size	850W	200-480V	3.3821	70	125000lm	147 lm/W	125000lm	147 lm/W	122000lm	144 lm/W
Large Size	1200W	200-480V	3.3821	70	180000lm	150 lm/W	180000lm	150 lm/W	170000lm	142 lm/W

## Electrical Data

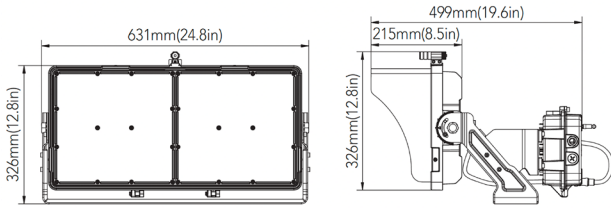
Number of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1600	500	120	4.17
		500	208	2.40
		500	240	2.08
		500	277	1.81
		500	347	1.44
		500	480	1.04
1	1800	600	208	2.88
		600	240	2.50
		600	277	2.17
		600	347	1.73
		600	480	1.25
1	2700	850	208	4.09
		850	240	3.54
		850	277	3.07
		850	347	2.45
		850	480	1.77
1	3600	1200	208	5.77
		1200	240	5.00
		1200	277	4.33
		1200	347	3.46
		1200	480	2.50

## Photometrics

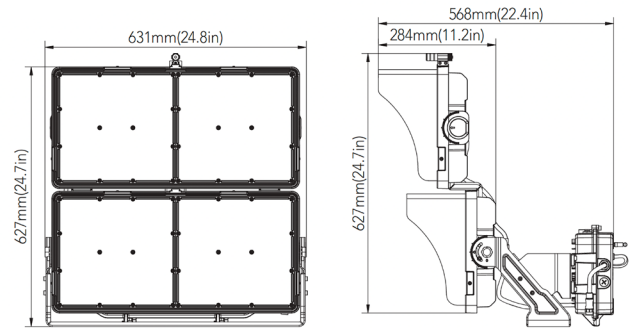


## Dimension With Power Box Attached

Small Size: 500W & 600W

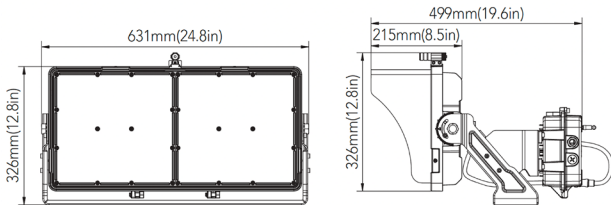


Large Size: 850W & 1200W



## With Remote Power Box

Small Size: 500W & 600W



Large Size: 850W & 1200W

