

JUGGERNAUT

Physical:

- IP68
- Lexan Lens
- Weight: 98lbs / 44kg
- Type II Anodized - Silver
- Machined 6063 T5 Aluminum
- Integrated waterproof junction box for direct installation
- 25.9"W x 17.32"H x 10.7"D (660cm x 440cm x 258.5cm)
- 1/4" SS bracket - 7 fixed angled positions at 10° increments

Performance

- 64 CREE XHP70 diodes

- ~120,000 effective lumen
- Warm White: 2700CCT CRI>80
- Neutral White: 5000CCT CRI>75
- Cool White: 5700CCT CRI>70
- Operating temp. -45° to 50° C
- NEMA 2X2/3X3/4X4/5X5/6X6 beam patterns

Electrical:

- 1100W
- EMI Filtration
- Power Factor > 95%
- Transient Voltage Protection

- Under/Over Voltage Protection
- Electronic Thermal Management
- Line Voltage from 180 to 277V. Typical 240/277V

Applications

Agriculture



Mining



Marine



Industrial



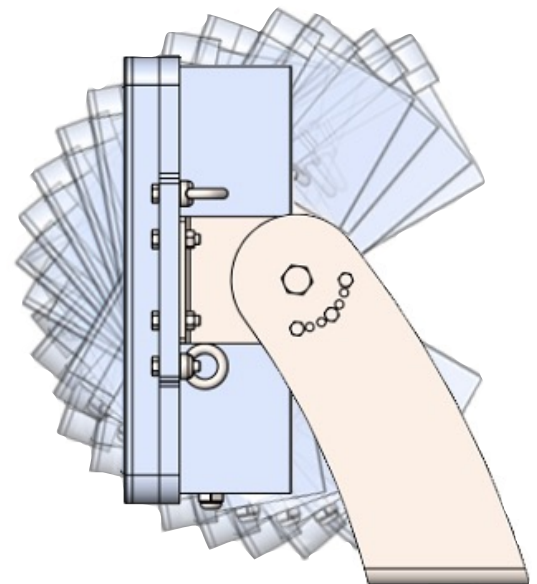
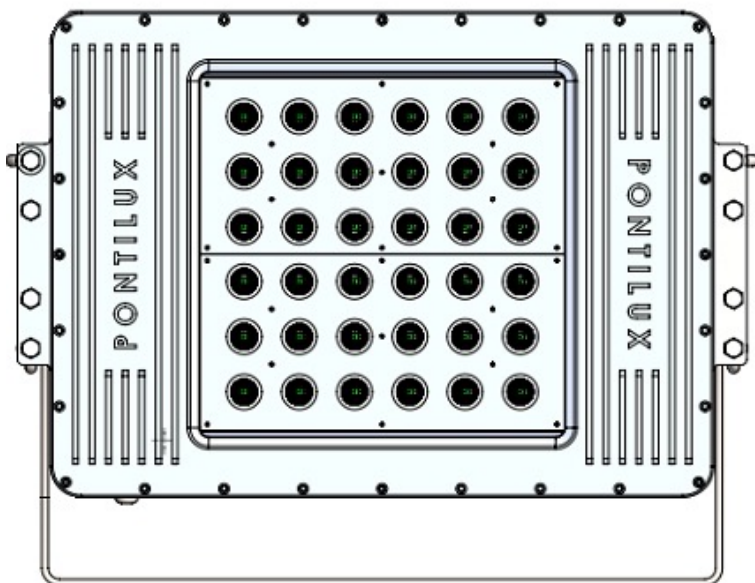
Construction

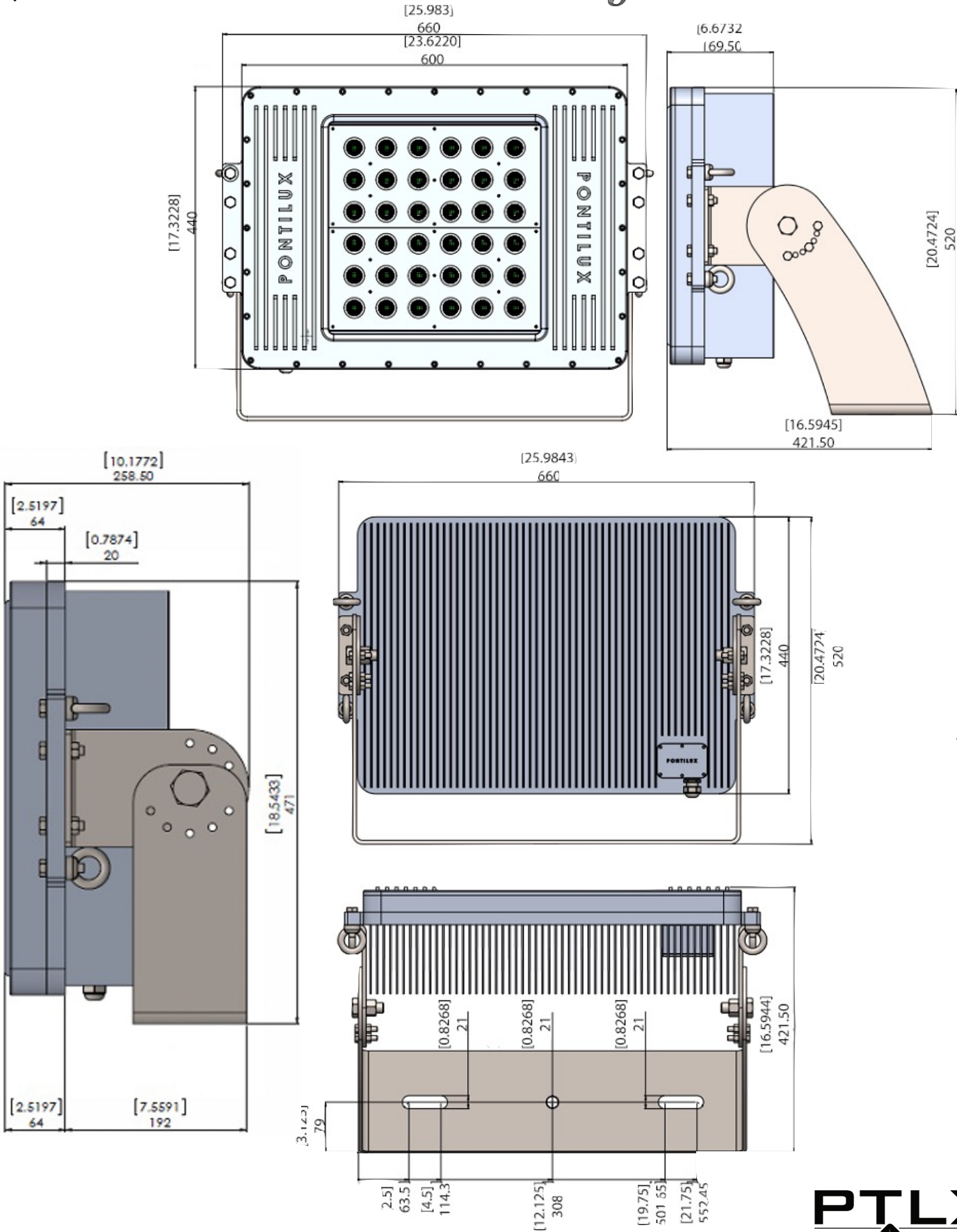


Oil/Natural Gas



Avg. EPA 3.46 ft² / (1.06m²)





Juggernaut Performance Metrics

	Distribution	Lumens	Input Operating Amps	Input Watts
Juggernaut 1100W 5000K	2x2	120,065	208V - 5.29A	1100W
	3x3	120,119	240V - 4.58A	1100W
	4x4	120,344	277V - 3.97A	1100W
	5x5	120,616		1100W
	6x6	* in production		

Juggernaut 1100W 2700K	2x2	113,912	208V - 5.29A	1100W
	3x3	113,991	240V - 4.58A	1100W
	4x4	114,197	277V - 3.97A	1100W
	5x5	114,304		1100W
	6x6	* in production		

Ambient Temperature Factor

0°C	32°F	1.04		40°C	104°F	0.90
10°C	50°F	1.03		50°C	122°F*	0.79
20°C	68°F	1.01				
25°C	77°F	1.00				
30°C	86°F	0.96		*estimated values. Application specific. Please inquire.		

Features and Benefits

Performance Details

Electrical:

- Using Cree's latest XHP70 diode, illumination performance is unparalleled. Custom driver with integrated electrical redundancies has a rated life of >100,000 hours at standard 25°C.
- Surge protection is rated at 10kV/5kA.
- Juggernaut is designed with active electronic thermal management; Under voltage shut down and Trans voltage suppression and EMI filtering protection.

Mechanical:

- A fully machined aluminum 6063-T5 chassis is designed for maximum durability and optimum thermal conduction / convection which contributes to a longer luminaire lifespan. Type II silver anodized finish prevents any peeling and cracking, often consistent with powder coatings.
- The fixture comes standard with either straight or angled yoke stainless steel bracket, with 7 different 10° mounting increments. *An optional 6061 aluminum slip fitter bracket, designed to accommodate 2.375" to 3" tenons is available.*
- The Juggernaut incorporates an integrated junction box for direct and easy wire connection - all connectors are included.
- The luminaire is sealed and rated at IP68; and suitable for ambient temperatures -40°C to 50°C*.
- The Juggernaut is certified to UL standard 1598. CSA/US 1598, C22.2 No.250.0-08

Notes:

- The Juggernaut can be outfitted with any custom shield, screens or louvres as specified.
- Eye bolts are included in the hardware for installation of safety cables.

NEMA 2X2



NEMA 3X3



NEMA 4X4



NEMA 5X5



NEMA 6X6



Ordering Information

Product	Wattage	Voltage	Beam Pattern	Lens	Color (CCT)	Bracket	Application
Juggernaut	1. 1.1KW-120,000lm	1. 90-277VAC	1. NEMA 2X2	1. Lexan	1. ~5700K	1. Standard Marine SS Harp (U Bracket)	1. Industrial
		2. *347/ 480VAC	2. NEMA 3X3	2. Glass	2. ~5000K	2. Slip Fitter Mount (3.5"OD)	2. Marine
			3. NEMA 4X4		3. ~2700K		
			4. NEMA 5X5				
			5. **NEMA 6X6				
eg. Juggernaut	W - 1	V - 1	BP - 1	L - 1	C - 1	BR - 1	AP - 1
Ordering Ex.	Juggernaut-W1-V1-BP1-L1-C1-BR1-AP1						
	*Special Order - Please contact for details		** In Production				
	*** Beam pattern options may differ across different fixtures. Please refer to individual product for correct beam pattern options.						