

COLOSSUS

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

- 36 CREE XHP70 diodes
- ~66000 and 82500 effective lumen
- Warm White: 2700CCT CRI>80
- Neutral White: 5000CCT CRI>75
- Cool White: 5700CCT CRI>70
- Operating temp. -45° to 70° C
- NEMA 2X2/3X3/4X4/5X5/6X6 beam Patterns

Electrical:

- EMI Filtration
- 600W and 750W
- Power Factor > 95%
- Transient Voltage Protection
- Under/Over Voltage Protection
- Electronic Thermal Management
- Line Voltage from 90 to 305V. Typical 240/277V

Applications

Agriculture



Mining



Marine



Industrial



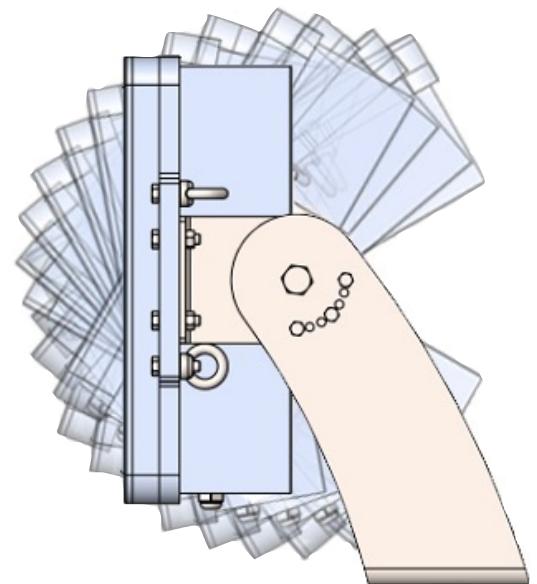
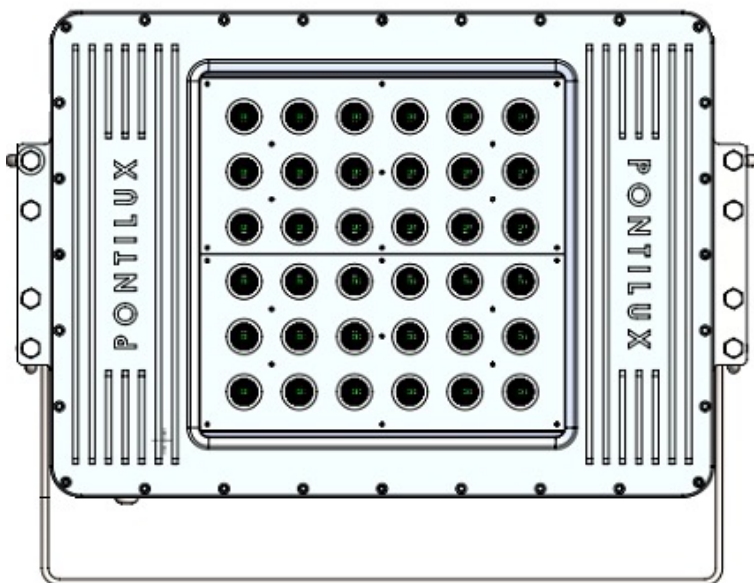
Construction

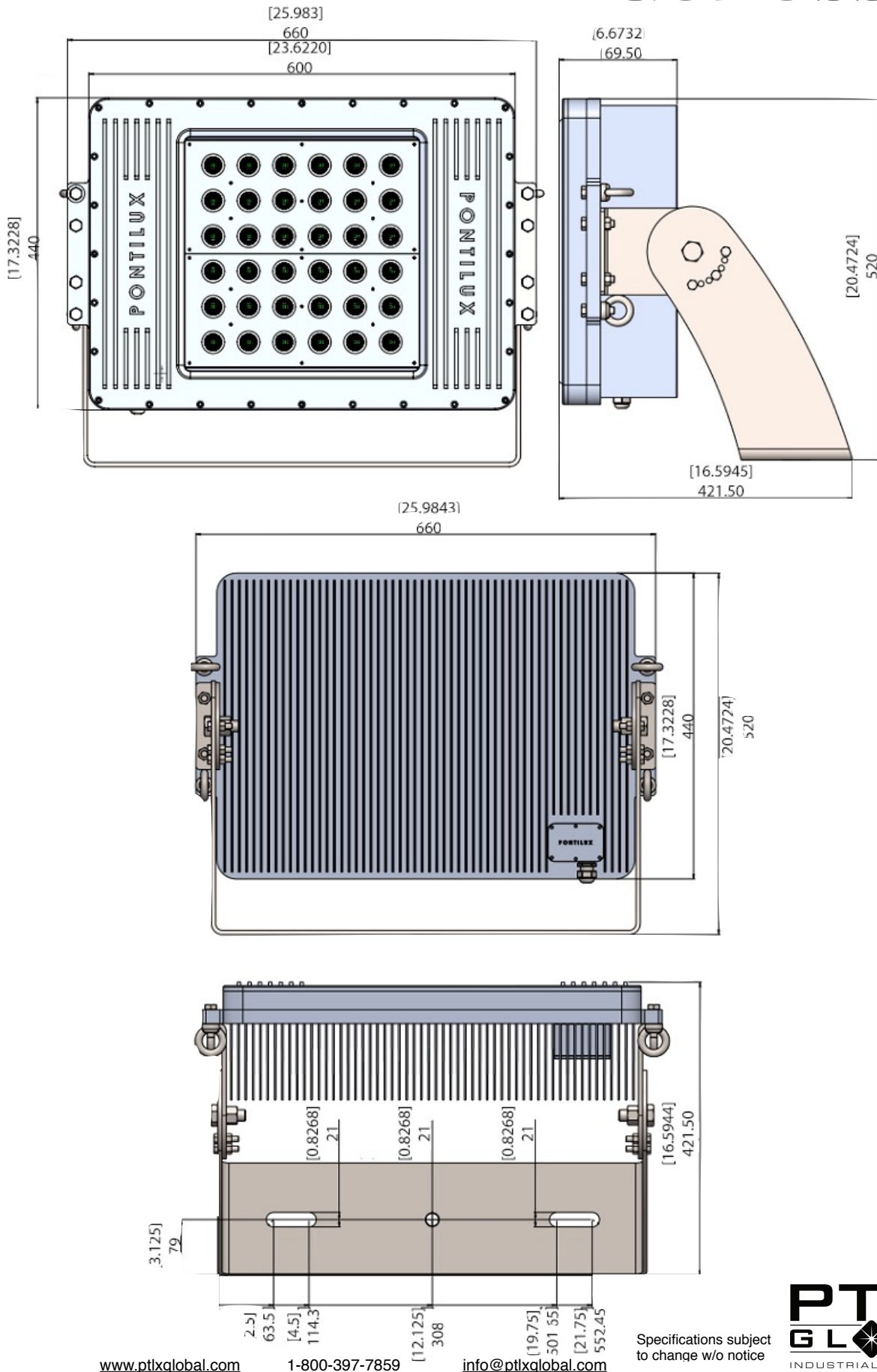


Oil/Natural Gas



Avg. EPA 3.46 ft² / (1.06m²)





Operating Characteristics						
		Distribution	Lumens	Input Operating Amps		Input Watts
Colossus 600 - 5000K		2x2	65,143	120V - 5A		600W
		3x3	65,312	208V - 2.88A		600W
		4x4	65,545	240V - 2.5A		600W
		5x5	65,611	277V - 2.16A		600W
		6x6	*in production			
Colossus 750 - 5000K		2x2	81,074	120V - 6.25A		750W
		3x3	81,164	208V - 3.6A		750W
		4x4	81,408	240V - 3.125A		750W
		5x5	81,599	277V - 2.70A		750W
		6x6	*in production			
Colossus 600 - 2700K		2x2	62,710	120V - 5A		600W
		3x3	62,757	208V - 2.88A		600W
		4x4	63,165	240V - 2.5A		600W
		5x5	63,340	277V - 2.16A		600W
		6x6	*in production			
Colossus 750 - 2700K		2x2	78,060	120V - 6.25A		750W
		3x3	78,149	208V - 3.6A		750W
		4x4	78,401	240V - 3.125A		750W
		5x5	78,670	277V - 2.70A		750W
		6x6	*in production			
Ambient Temperature Factor						
0°C	32°F	1.05		40°C	104°F	0.94
10°C	50°F	1.04		50°C	122°F*	0.85
20°C	68°F	1.01		60°C	140°F*	0.69
25°C	77°F	1.00		70°C	158°F*	0.47
30°C	86°F	0.98		*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.
- Colossus / 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, consistent with powder coatings.
- The fixture comes standard with 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 Colossus incorporates an integrated junction box for direct and easy wire connection.
- The luminaire is sealed and rated at IP68; and suitable for ambient temperatures -40°C to 70°C.
- The Colossus is certified to UL standard 1598. CSA 1598, C22.2 No.250.0-08

NEMA 2X2



NEMA 3X3



NEMA 4X4



NEMA 5X5



NEMA 6X6



Ordering Information

Product	Wattage	Voltage	Beam Pattern	Lens	Color (CCT)	Bracket	Application
Colossus	1. 600W - 66000lm	1. 90-277VAC	1. NEMA 2X2	1. Lexan	1. ~5700K	1. Standard Marine SS Harp (U Bracket)	1. Industrial
	2. 750W - 82500lm	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. Colossus	W - 1	V - 1	BP - 1	L - 1	C - 1	BR - 1	AP - 1
Ordering Ex.	Colossus-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.						