

TITAN 750

MARINE LED FLOOD LIGHT



The Titan 750 represents the pinnacle of our marine flood lighting evolution, building upon the proven foundation of the Titan 540 and 650 platforms. Since the introduction of the Titan series, we have continuously refined our modular design philosophy to deliver increasingly powerful, reliable solutions for the most demanding marine environments.

Beginning with the Titan 540, we established a new standard for modular LED mast lights, replacing traditional 1000W sodium fixtures with an intelligent, serviceable design engineered for longevity. The Titan 650 expanded upon this foundation, incorporating enhanced LED diode technology for even greater output while maintaining the robust, field-serviceable construction that defines the series.

The Titan 750 advances this legacy with our most powerful configuration yet, delivering approximately 128,000 lumens at an exceptional luminous efficacy of 170 lm/W. Like its predecessors, the Titan 750 features robust anodized aluminum construction, IP68 marine rating, and the modular architecture that has made the Titan series the preferred choice for commercial fishing vessels, offshore platforms, and maritime operations worldwide.

With each iteration of the Titan series, we have remained committed to three core principles: uncompromising durability for austere marine conditions, modular serviceability to minimize total cost of ownership, and advanced LED technology for superior performance and energy efficiency. The Titan 750 embodies these principles while pushing the boundaries of what is achievable in marine flood lighting.

TECHNICAL DATA

Model Number	Titan 750
Power	750W
Luminous Efficacy	170 lm/W
Lumen Output	~127,500 lm
LED Chips	Bridgelux (high-power, high-lumen)
Dimensions (L x W x H)	28.5" x 22.1" x 3.5" (725 x 561 x 90 mm)
Luminaire Net Weight	Without Bracket: 67.2 lbs (30.5 kg) With Bracket: ~ 80lbs.
CCT (Color Temperature)	Standard: 2700K, 4000K, 5000K
CRI (Color Rendering Index)	Standard >75, (>85 / >95 available options)
System Efficiency	≥93%
Beam Pattern	10°, 25°, 40°, 60°, 90°, 120°
IP Rating	IP67 / IK10
Lifespan	L80: >80,000 hours Chip lifespan: 100,000 hours
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Operating Temperature	-40°C to +60°C (-40°F to +140°F)
Certification	ETL / DLC / TUV / SAA / CE / RoHS / ErP UL1598, CSA C22.2 #250.0 IP67, IK10
Color of Housing	Silver Anodized Marine Aluminum - Copper Free
Bracket	7mm 316 S/S, 2 part system
Warranty	3 years Marine application, 5 year driver

ELECTRICAL DETAILS

Input Voltage	AC 90-305V (347V/480V option)
Power Frequency	50-60Hz
Power Efficiency	>93%
Power Factor	≥0.93
Total Harmonic Distortion	≤20%
Surge Protection	4KV
Driver	UL/CUL listed Meanwell power supply (HLG series) 7-year warranty
Dimming Options	0-10V, DALI, DMX, Wi-Fi, RGB (available)

TARGET APPLICATIONS

The Titan 750 is engineered for maximum performance and durability in austere and wet marine environments:

- Commercial fishing vessels requiring high-output deck and mast lighting
- Offshore platforms and drilling operations
- Maritime ports and harbors
- Naval and coast guard vessels
- Industrial marine applications requiring IP68 protection
- East replacement for 1000W+ HID/sodium mast lights

KEY FEATURES & BENEFITS

Modular Design for Long-Term Serviceability

Field-replaceable LED modules enable quick repairs and upgrades without complete fixture replacement, dramatically reducing total cost of ownership over the fixture's 10+ year service life.

Extreme Environment Engineering

IP67-rated construction with IK10 impact resistance ensures reliable operation in salt spray, extreme temperatures, and the vibration characteristic of marine environments. Marine-grade anodized aluminum housing resists corrosion without copper contamination.

Superior Energy Efficiency

At 170 lm/W luminous efficacy and >93% system efficiency, the Titan 750 delivers exceptional light output while consuming significantly less power than traditional HID fixtures, reducing both operating costs and electrical infrastructure requirements.

Proven LED Technology

Premium Cree and Bridgelux LED chips with 100,000-hour rated lifespan, backed by comprehensive LM79, LM80, and TM21 testing for photometric performance and long-term reliability.

ORDERING SHEET

PRODUCT	VOLTAGE	BEAM PATTERN	COLOR (CCT)	BRACKET	APPLICATION
Titan 750	1. 110-277VAC	1. 10°	1. 2700K	1. Slip Fitter/Pole mount	1. IP68 Marine App.
		2. 25°	2. 4000K *	2. Flat Bracket	2. IP66 Industrial App.
	3. 40°	3. 5000K *			
	4. 60°				
	5. 90° *				
	6. 120° *				

*** additional cost and lead time may apply**