PTLX GLOBAL™

TITAN™ 300 LED MARINE FLOODLIGHT

MARINE-GRADE LIGHTING | 90-295 VAC



300 W
48,000 lm • 160 lm/W

IP67 / IP68
IK10 impact rated

90–295 VAC
ETL Listed (C/US)

The TITAN™ 300 is one of our mainstay fixtures within the TITAN™ lineup. It serves as the most popular deck light for larger vessels (over 50') and has augmented many mast light arrangements for flanking illumination. It is a key solution for many Port, Shipyard, Terminal and large waterfront areas, along with any other difficult wet location environments.

The TITAN™ 300 can be made custom into a vertical array using 3 rows of 10 diodes if mounting placement requires. With 48,000 lumens and twice the output of our TITAN™ 150, the durable TITAN™ 300 is built for performance and reliability.

C ETL US LISTED

IP67
DUST-TIGHT
STANDARD

IP68
SUBMERSIBLE
OPTIONAL

IK10
IMPACT RATED
20 JOULES

3-YEAR
WARRANTY
MARINE & WET LOC.

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PRODUCT OVERVIEW & ORDERING GUIDE

To build a TITAN™ 300 part number, choose the color temperature, color rendering, beam angle and ingress protection required for the job.

Option	Code	Description
Product	**TITAN 300**	300 W LED marine floodlight, 48,000 lm nominal
Input	**AC**	90–295 VAC
Color Temperature	**27K / 40K / 50K / 57K**	Standard: 2700K, 4000K, 5000K, 5700K
	22K / 65K	Custom: 2200K, 6500K (consult factory)
Color Rendering	**75**	Standard: CRI 75+
	85 / 95	Custom: CRI 85+, 95+ (consult factory)
Beam Angle	**10 / 25 / 40 / 60 / 90 / 120**	Beam angle in degrees
Ingress Protection	**IP67 / IP68**	IP67 standard; IP68 optional
LED Array	**5 × 6**	Standard: 5 rows of 6 diodes; custom 3 × 10 vertical array available (consult factory)

HOW TO READ A PART NUMBER

TITAN 300	AC	40K	75	40	IP67
Product	Input	Color Temp.	CRI	Beam Angle	Protection

Example: **TITAN 300-AC-40K-75-40-IP67** is a 90–295 VAC TITAN 300 with 4000K color temperature, CRI 75+, a 40° beam and IP67 protection.

WHEN ORDERING, PLEASE SPECIFY

- **Part number and quantity**: product, input, CCT, CRI, beam and protection (e.g., TITAN 300-AC-40K-75-40-IP67)
- **Mounting**: 5 mm 316 stainless steel bracket with heavy-duty mounting hardware (standard); custom hole pattern available
- **Custom options**: 3 × 10 vertical array, 2200K and 6500K color temperature, and CRI 85+ or 95+; consult factory for lead time

CUSTOM 3 × 10 VERTICAL ARRAY



If mounting placement requires, the TITAN™ 300 can be made custom into a vertical array using 3 rows of 10 diodes, with the same 300 W, 48,000 lm output. Consult factory for dimensions and lead time.

KEY FEATURES & PERFORMANCE CHARACTERISTICS

Twice the Light of the TITAN™ 150

Thirty 10 W Bridgelux diodes in a 5 × 6 array produce 48,000 lumens at 160 lm/W, double the output of the TITAN™ 150, from a housing just 90 mm (3.54 in) deep.

Heavy-Duty Mounting Hardware

A 5 mm 316 stainless steel bracket and heavy-duty mounting hardware are a step above the lighter hardware most manufacturers supply. A degree-marked aiming dial on the side hub makes the aiming angle easy to set and repeat.

Marine-Grade Construction

The low-copper anodized aluminum housing is chosen for salt air and spray. IP67 protection is standard, with IP68 available for locations exposed to submersion.

Optics for Long Throws and Wide Areas

Six beam angles run from a 10° spot for long throws to a 120° flood for wide areas, with CRI 75+ standard (85+ and 95+ custom) and four standard color temperatures.

Protected, Wide-Range Driver

The 90–295 VAC driver covers 120, 208, 240 and 277 V systems with a 0.93 power factor and under 20% THD. 4 kV surge protection and overheat protection guard the electronics, and the fixture operates from −40°C to +60°C (−40°F to +140°F). ETL Listed for the United States and Canada (C/US).

Built for the Long Haul

Rated IK10 (20 joules), the top of the IK impact scale, with L80 lumen maintenance beyond 80,000 hours.

3-Year Warranty

Backed by a 3-year warranty in marine and severe wet location applications.

TARGET APPLICATIONS

MARINE VESSELS	PORTS & DOCKS	NATATORIUMS & WET LOCATIONS
• Aft and cargo decks	• Port terminals and cargo yards	• Natatoriums and indoor pools
• Work deck floodlighting	• Docks and piers	• Waterfront facilities
• Mast and rigging floodlights	• Loading and staging areas	• Other difficult wet locations

MOUNTING & HARDWARE



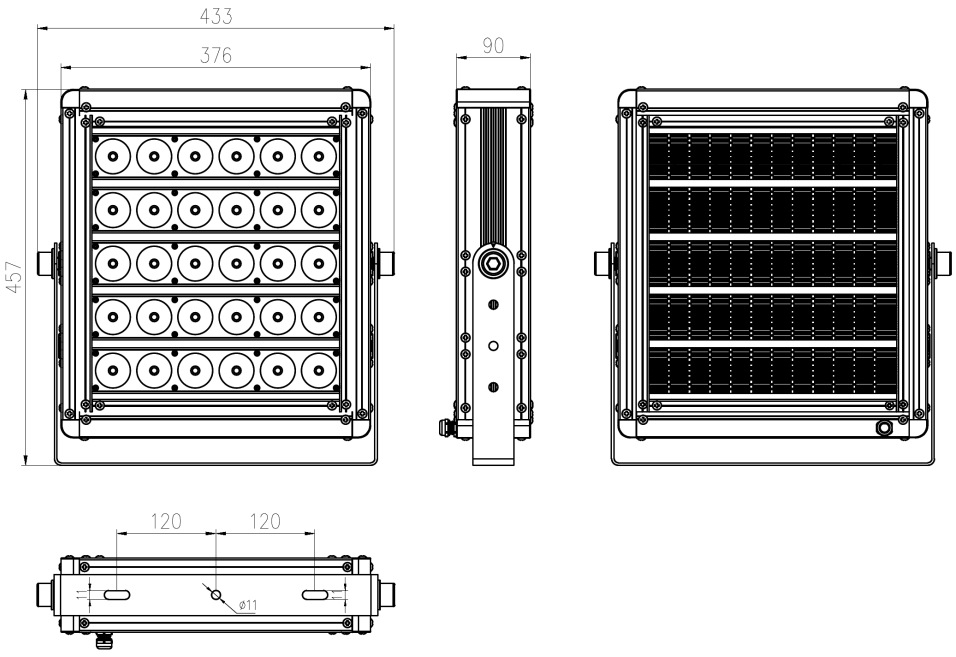
Heavy-duty mounting, built to stay aimed

The TITAN™ 300 mounts on a 5 mm 316 stainless steel bracket with heavy-duty hardware, a step above the lighter hardware most manufacturers supply. A degree-marked aiming dial on the side hub lets installers set the angle once and repeat it on every fixture in the job.

- 5 mm 316 stainless steel bracket
- Heavy-duty mounting hardware
- Degree-marked aiming dial for repeatable aiming
- Custom hole pattern available

Shown: TITAN™ 300 bracket and mounting hardware.

MECHANICAL DIMENSIONS



Housing Width
376 mm (14.80 in)

Overall Width
433 mm (17.05 in)
across side mounting hubs

Overall Height
457 mm (17.99 in)
including bracket

Depth
90 mm (3.54 in)

Bracket Holes
Ø11 mm center hole;
slots at 120 mm each side

Net Weight
12.2 kg (26.9 lb)

Drawing dimensions in millimeters. Verify mounting details against delivered hardware.

TECHNICAL SPECIFICATIONS

Specification	TITAN™ 300 – AC
Model	TITAN 300-AC
Input Voltage	90–295 VAC
Input Current	2.5 A @ 120 VAC; 1.25 A @ 240 VAC
Input Frequency	50/60 Hz
Power Factor	0.93
Total Harmonic Distortion	< 20%
Surge Protection	4 kV
Overheat Protection	Output shuts down on overheating; cycle power to recover
Rated Power	300 W
Luminous Flux	48,000 lm (nominal)
Luminous Efficacy	160 lm/W
LED Source	Bridgelux LED (30 × 10 W)
LED Array	5 × 6 standard; 3 × 10 vertical array custom
Lumen Maintenance	L80 > 80,000 hours
Color Temperature	Standard: 2700K / 4000K / 5000K / 5700K; Custom: 2200K / 6500K
Color Rendering	Standard: CRI 75+; Custom: CRI 85+ / 95+
Beam Angles	10° / 25° / 40° / 60° / 90° / 120°
Ingress Protection	IP67 standard / IP68 optional
Impact Rating	IK10
Operating Ambient	−40°C to +60°C (−40°F to +140°F)
Housing	Low-copper anodized aluminum
Mounting Bracket	5 mm 316 stainless steel with heavy-duty mounting hardware; custom hole pattern available
Dimensions	376 mm W × 457 mm H (incl. bracket) × 90 mm D (14.80 × 17.99 × 3.54 in); 433 mm (17.05 in) overall width across mounting hubs
Net Weight	12.2 kg (26.9 lb)
Certification	ETL Listed, C/US (United States and Canada)
Warranty	3 years in marine and severe wet location applications



