PTLX GLOBAL™

TITAN™ 150 LED MARINE FLOODLIGHT

MARINE-GRADE LIGHTING | 24 VDC



150 W	IP67 / IP68	24 VDC
24,000 lm • 160 lm/W	IK10 impact rated	Internal DC/DC driver

The TITAN™ 150 24 VDC is a 150 W LED floodlight built for Marine, Port, Natatorium and other difficult wet location applications on low-voltage 24 VDC systems. Using the latest Bridgelux LED technology, it produces over 24,000 lumens at 160 lm/W. The housing is low-copper anodized aluminum on a 316 stainless steel bracket, built for aft vessel, dock and other corrosive, wet environments.

Designed as a drop-in replacement for existing Aqua Signal floodlights, the TITAN™ 150 fits the original Aqua Signal bracket, so there is no need to remount the fixture.

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

The TITAN™ 150 is offered as two separate models: an AC model for 90–295 VAC systems and a 24 VDC model for low-voltage vessel systems. This sheet covers the **24 VDC** model. Choose the color temperature, color rendering, beam angle and ingress protection required for the job.

Option	Code	Description
Product	**TITAN 150**	150 W LED marine floodlight, 24,000 lm nominal
Input	**DC24**	24 VDC, internal constant-current DC/DC driver (AC model ordered as AC; see separate sheet)
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

HOW TO READ A PART NUMBER

TITAN 150	DC24	40K	75	40	IP67
Product	Input	Color Temp.	CRI	Beam Angle	Protection

Example: **TITAN 150-DC24-40K-75-40-IP67** is a 24 VDC TITAN 150 with 4000K color temperature, CRI 75+, a 40° beam and IP67 protection.

WHEN ORDERING, PLEASE SPECIFY

- **Part number**: product, input, CCT, CRI, beam and protection (e.g., TITAN 150-DC24-40K-75-40-IP67)
- **Quantity**
- **Mounting**: 5 mm 316 stainless steel bracket (standard); custom hole pattern available
- **Retrofit**: when replacing an existing Aqua Signal fixture, note the existing bracket to the TITAN™ 150 so it drops right in
- **Custom options**: 2200K and 6500K color temperature, and CRI 85+ or 95+; consult factory for lead time

KEY FEATURES & PERFORMANCE CHARACTERISTICS

Drop-In Aqua Signal Retrofit

Designed to fit existing Aqua Signal floodlight brackets, so the TITAN™ 150 mounts right where the old fixture was. No new holes, no new brackets and minimal downtime on deck or dock.

Built for Corrosive, Wet Locations

A low-copper anodized aluminum housing and a 5 mm 316 stainless steel bracket are chosen for salt air and constant moisture. IP67 protection is standard, with IP68 available for locations exposed to submersion.

High-Output Bridgelux Optics

Bridgelux LEDs deliver 24,000 lumens at 160 lm/W. Six beam angles from a 10° spot to a 120° flood, CRI 75+ standard (85+ and 95+ custom) and four standard color temperatures let each fixture be matched to the task.

IK10 Impact Rated

The fixture carries the highest IK impact rating (IK10, 20 joules of impact energy), for exposed locations where gear, cargo or lines may strike it.

Low-Voltage 24 VDC Operation

An internal constant-current DC/DC driver runs the fixture directly from 24 VDC vessel and battery systems. The fixture operates in ambient temperatures from −25°C to +60°C (−13°F to +140°F); this range is set by the DC driver.

3-Year Warranty

Every TITAN™ 150 is backed by a 3-year warranty in marine and severe wet location applications.

TARGET APPLICATIONS

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

DROP-IN RETROFIT FOR AQUA SIGNAL BRACKETS



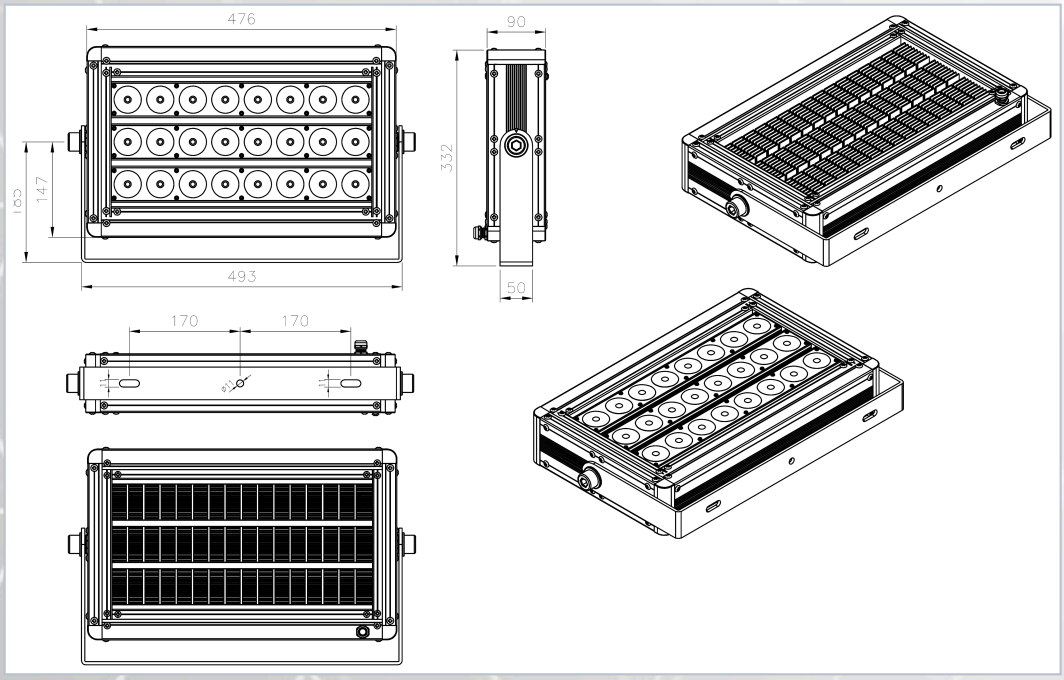
Pops right into the existing bracket

The TITAN™ 150 is designed to fit the existing Aqua Signal bracket, so the customer does not need to remount the fixture. The old Aqua Signal unit comes out and the TITAN™ 150 goes in on the same bracket.

- No new holes or brackets
- Reduced labor and vessel downtime
- Same aiming position as the original fixture
- Higher output from 150 W LED

Shown: TITAN™ 150 (right) installed beside an original Aqua Signal fixture (left).

MECHANICAL DIMENSIONS



Housing (W × H × D)
476 × 332 × 90 mm
(18.74 × 13.07 × 3.54 in)

Overall Width
493 mm (19.41 in)
across side mounting hubs

Bracket Holes
Ø11 mm center hole;
slots at 170 mm each side

Net Weight
12 kg (26.5 lb)

Bracket
5 mm 316 stainless steel;
custom hole pattern available

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

Aqua Signal is a trademark of its respective owner. PTLX Global is not affiliated with Aqua Signal.

TECHNICAL SPECIFICATIONS

Specification	TITAN™ 150 – 24 VDC
Model	TITAN 150-DC24
Nominal Input Voltage	24 VDC
Input Current	6.25 A @ 24 VDC; 12.5 A @ 12 VDC (for wire sizing)
Input Polarity	DC+ / DC−; observe conductor markings
LED Driver	Internal constant-current DC/DC driver
Rated Power	150 W
Luminous Flux	24,000 lm (nominal)
Luminous Efficacy	160 lm/W
LED Source	Bridgelux LED
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	−25°C to +60°C (−13°F to +140°F); range set by DC driver
Housing	Low-copper anodized aluminum
Mounting Bracket	5 mm 316 stainless steel; custom hole pattern available; fits existing Aqua Signal brackets
Dimensions	476 × 332 × 90 mm (18.74 × 13.07 × 3.54 in); 493 mm (19.41 in) overall width across mounting hubs
Net Weight	12 kg (26.5 lb)
Warranty	3 years in marine and severe wet location applications



