

LED Replacement Bulbs

Imtra's range of high-output LED replacement bulbs deliver the performance necessary to properly convert your halogen or incandescent fixtures to energy-efficient LED lights.

All models are offered in warm white to emit the soft tones most people prefer for interior yacht applications. Selected models are available in cool white, red or blue for specialty applications.

All our LED bulbs feature PWM constant-current drive topology delivering high performance across the entire voltage range. Thermally-efficient SMDs and built-in electrical protections combine to deliver maximum service life.



Features

- High output SMD LEDs
- PWM DC/DC converter technology
- Thermally efficient board design
- Over-voltage protection
- Wide angle beam characteristics
- Several form factors to choose from

Benefits

- Substantial power savings
- High quality, bright light output
- Cooler cabin temperatures
- Maintenance-free; no more bulb changes

G4/GU4 Socket

Our G4/GU4 LED replacement bulbs make excellent upgrades for boats currently fitted with halogen bulbs.

Our super-bright "X-Beam" models are the perfect choice for overhead spots and fixtures with either back pin or side pin halogen sockets. The back pin models have extra-long pins to fit easily in lights with narrow openings, yet can be trimmed shorter if desired.

The omni-directional "Mini Tower" is ideal for use in wall sconces and appliques where all-around light output is required.

The back pin "Reader" is a compact replacement bulb with a focused light beam making it the right choice for reading lights with a G4 socket.

GU5.3 Socket

Choose the "Linx" to replace your inefficient and hot MR16 halogen bulbs. Warm and cool white high output LEDs combined with special linked optical lens results in uniform and satisfying illumination.

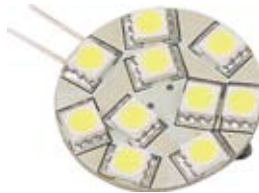
"X-Beam" Back Pin



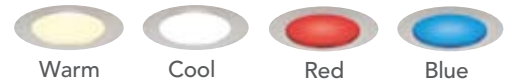
Lumen Output	150 lumens (cool) 120 lumens (warm)
Voltage Input	10-30VDC
Power Consumption	2.2W
Viewing Angle	120°



"X-Beam" Side Pin



Lumen Output	150 lumens (cool) 120 lumens (warm)
Voltage Input	10-30VDC
Power Consumption	2.2W
Viewing Angle	120°



"Mini Tower" Back Pin



Lumen Output	90 lumens
Voltage Input	10-30VDC
Power Consumption	1.3W
Viewing Angle	360°



"Reader" Back Pin



Lumen Output	80 lumens (cool) 68 lumens (warm)
Voltage Input	10-30VDC
Power Consumption	1.8W
Viewing Angle	35°



"Linx" MR16 Back Pin



Lumen Output	200 lumens (cool) 180 lumens (warm)
Voltage Input	10-30VDC
Power Consumption	3.1W
Viewing Angle	30°



"Matrix" Bayonet Base



Lumen Output	110 lumens
Voltage Input	10-30VDC
Power Consumption	2.0W
Viewing Angle	120°



Warm



"Reader" Bayonet Base



Lumen Output	68 lumens (warm)
Voltage Input	10-30VDC
Power Consumption	1.7W
Viewing Angle	35°



Warm



Red
(6 x LED)



"Tower" Omni-Directional Bayonet Base



Lumen Output	210 lumens
Voltage Input	10-15VDC
Power Consumption	3.0W
Viewing Angle	360°



Warm



"Tower" Omni-Directional E14 Base



Lumen Output	210 lumens
Voltage Input	10-15VDC
Power Consumption	3.0W
Viewing Angle	360°



Warm

42mm Festoon



Lumen Output	72 lumens (warm)
Voltage Input	10-30VDC
Power Consumption	1.5W
Viewing Angle	120°



Warm



Red

BA15d/s Socket

Our selection of LED bulbs that fit in bayonet bases is extensive.

The "Matrix" features nine powerful SMD LEDs linked to a BA15d (#1142) or BA15s (#1156) bayonet base via a flexible wire. Ideal for overhead cabin fixtures where adaptability is important, the free-form design allows creative placement in a variety of applications using Velcro, double-sided tape, or tie-wrap mounts.

The bayonet "Reader" is a popular choice for reading lights. It is offered in single and double contact versions.

The "Tower" has LEDs on all sides (and the top) making it a useful replacement for wall lights and other fixtures that require light emitted in all directions.

E14 Socket

Our E14 Tower is ideal for European style wall appliques, sconces and table lamps which use the miniature screw base E14 bulb.

Festoon Socket

Our 42mm Festoon LED bulb is sometimes referred to as a 1-5/8" or 41mm festoon. It replaces standard 10W incandescent glass festoon bulbs common in many courtesy lights and overhead "dome" light fixtures.

Navigation Bulbs

Our super bright LED Anchor & Stern "Tower" bulb uses 18 surface mount cool-white (SMD) LEDs arrayed in 6 planes for 360° visibility. Ideal for masthead (anchor light) and stern lamp applications in fixtures that use a BAY15d bulb (double contact, offset pins).

This 44mm LED festoon style bulb exceeds the brightness level of the 10W incandescent bulb it replaces. Made to fit the popular Aqua Signal Series 25 navigation lights, it replaces the 12V #ASL-902007 or 24V #ASL-902017 festoon bulbs. We recommend warm white for use with red, green, or bi-color combo fixtures and cool white for masthead and stern light applications.

This 42mm LED festoon style bulb exceeds the brightness level of the 10W incandescent bulb it replaces. This SV8 festoon style bulb fits popular navigation lights from Perko, Hella, and other brands. We recommend warm white for use with red, green, or bi-color combo fixtures and cool white for masthead and stern light applications.

LED

"Tower" Navigation BAY15d Bayonet Base



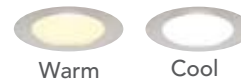
Lumen Output	240 lumens (cool)
Voltage Input	10-30VDC
Power Consumption	3.0W
Viewing Angle	360°



44mm Barrel Festoon for Navigation



Lumen Output	160 lumens (cool) 140 lumens (warm)
Voltage Input	10-30VDC
Power Consumption	2.0W
Viewing Angle	360°



42mm SV8 Cone Festoon for Navigation, Anchor & Stern



Lumen Output	160 lumens (cool) 140 lumens (warm)
Voltage Input	10-30VDC
Power Consumption	2.0W
Viewing Angle	360°



Important Note regarding bulbs on this page:

Navigation lights are tested and approved as a fixture with the original equipment source (bulb) already installed. The operator of vessel assumes all liability when using this product as a replacement for the original approved light source. The use of this LED light source in individual navigation fixtures has not been evaluated for compliance to USCG, COLREG, or any other navigational lighting standards or regulations.