#1 Selling LED Brand

Dr.LED

LED Lighting ●●●

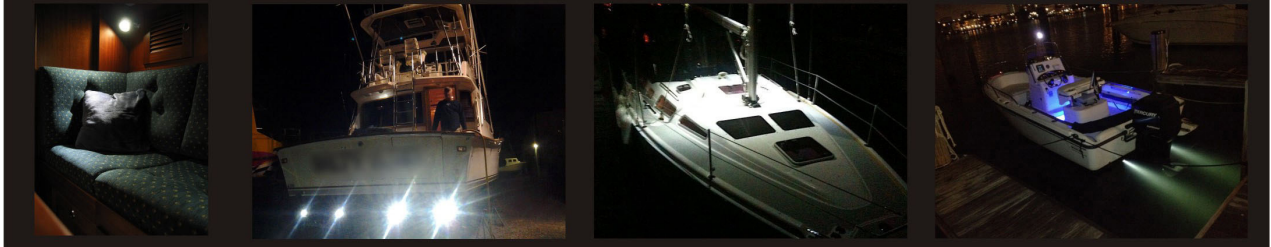## The Navy specifies the use of Dr. LED's lights...Shouldn't you?

Dr. LED High-Quality Marine LED Products you can count on! Designed in the USA and built to last.

2014 Catalog

www.DoctorLED.com

The Dr. LED Story

   With their extensive background in aerospace and being avid boaters themselves, the engineers at Dr. LED provide the perfect mix of experience and enthusiasm to develop high tech, durable, and energy efficient LED lighting products specially designed for the marine environment.

   Their use of cutting edge designs using the highest quality components (yes, there _is_ a difference) and thorough testing of each individual product before it leaves the factory, ensures that each Dr. LED product will provide the performance and durability that you expect.

The Dr. LED Advantage:

- **US based engineering - designed in Seattle, Washington, USA.**
- **Extensive background in aerospace.**
- **Truly innovative marine quality LED products.**
- **US patents awarded.**
- **High quality components and designs.**
- **Each and every product tested for 2 hours at the factory.**
- **Specified by the US Navy, Air Force, Coast Guard, and US Government.**
- **First and only aftermarket 2nm LED bulbs for nav lights.**

   Milestones:

- **2005 First to use regulated LED bulbs in the marine market.**
- **2006 First and only one to obtain USCG COLREG 1972 ABYC 2NM certified LED aftermarket replacement bulbs for navigation lights.**
- **2007 First to use US made CREE high-power LEDs in the marine market.**
- **2007 First to use warm white LED bulbs in the marine market.**
- **2008 First to provide a single high-power bi-color LED chart light for the marine market.**
- **2010 The US Navy specifies the use of Dr. LED's lights in their boats and specified by the US Federal Government with National Stock Numbers.**
- **2006-2013 First to develop true 1-to-1 LED replacements for 2NM LED bulbs for navigation and interior lights (BA15, festoon S8.5, BA9S, wedge bases etc.).**

How to contact Dr. LED:

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2013/12

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LED Searchlight: **LED Star Phaser**™
With Handy Laser Pointer   PN: 8001030

LED Star Phaser™:

The LED Star Phaser searchlight is so bright you can read a book when the light is held 50 feet (15m) away. This high-quality marine-grade 500 lumen LED search / flash / strobe light outperforms any other LED light in the same category in terms of price, performance, and versatility. Three U.S. made LEDs provide the most lumens-per-watt LED light ever made. Both flood and spot beams are provided for area and distance illumination. The light is equipped with a red laser pointer for general and emergency use. (No more yelling to your shipmates to get this and that!) The Star Phaser is so bright it can disorient an intruder at close quarters. Set the unit on strobe for emergency use. This provides 6-hour, 5-mile (8km) visibility and is best used for rescue purposes. The light will float up to 15 minutes for timely retrieval from water.

PN: 8001030	Features

- Three state-of-the-art 3W U.S. made high-quality high-power LEDs.
- High-intensity white LED light travels farther for maximum visibility.
- Instant on, no warm-up of bulb needed.
- Water-resistant polycarbonate body.
- Anodized aluminum heat sink to ensure long LED life.
- Durable rubberized head and handgrip.
- Two brightness settings: 500 lumens / 270 lumens.
- High / Low / Strobe trigger switch.
- Long operating time: 1.5 hours on high / 4 hours on low / 6 hours on strobe.
- Powered by a 7.2V 6 Cell NiMH rechargeable battery with intelligent battery management circuit and LED battery status indicator.
- Universal 100-240 VAC wall charger and 12 VDC charger are included.
- Weight: 1.3 lbs (0.58 kg).

12/24V LED Spreader/Deck/Rail Light: Kevin X4™
The Navy specifies the use of this light.
Shouldn't you?

NEW!

PN: 8001344-02

NSN: 5961016025452

#1 High-Power 1380 Lumen LED Light

1380+ lumen rated high-power LEDs provide the highest lumen-per-watt light, outperforming other LED lights in its class.

Designed to be mounted up to 30' above deck with aerodynamic shape.

Replaces 50W halogen spotlight.

ADC12 high purity die cast aluminum housing and lens bezel provide ample heat sinking as well as ingress protection to ensure a long operational life.

Marine grade 3-stage durable UV 3800 powder coated finish.

Ultra-long life. Highly shock and vibration resistant.

NMMA, USCG, ISO 8846 & SAE J1171 Ignition Protection Compliant.

PN: 8001344-02	Features	NSN: 5961016025452

- NMMA, USCG, ISO & SAE Ignition Protection Compliant.
- IP68, MIL-STD-810G Vibration & Shock Proof, ASTM B117 Salt Spray (Fog) Compliant.
- CE, FCC Part 15, RoHS Compliant.
- 6,000 Degree Kelvin Cool White with 1,380 Lumens (based on LED manufacturer specifications).
- 50,000 Hour Life Span Rated US Made LEDs.
- Long Service Life, Shockproof, Ultra-Rugged with no filament to burn out or break.
- Operating Temperature: -40 to +145 Degree F (Withstands temperature extremes).
- Designed in the USA.

Specifications:

Electrical:
Input Voltage: 12/24 VDC (9-35 VDC) or 12 VAC (1.5A @ 12 VDC)
Max Input Power: 20W
Non-Polarized Connection, Reverse Polarity Protected
Under-Voltage and Voltage Spike Protected
Electrically Protected Against RFI/EMC Interference
Integrated Thermal Management

Optional Accessory:
Horizontal Rail (PN: 9000319) and
Vertical Rail (PN: 9000326) Mounts
For 7/8" to 1 ¼" dia. rails.

Mechanical:
3 Stage Durable UV 3800 Powdercoat
Unbreakable Polycarbonate Lens
ADC12 High Purity Aluminum Housing and Lens Bezel
Low Profile Stainless Steel U Bracket Mount with ¼" Bolt
1M 7mm Round PVC IP68 UL2464 18AWG 300V 80C Red/Black Cable Pair
Dimensions: 154mm (6") width, 50mm (2") height, 66mm (2.6") depth
Weight: 516g (18oz)
Mounting Hardware Required: one ¼" dia. hole

12/24V LED Spreader/Deck/Rail Light: Kevin Jr. X2™   NEW!

PN: 9000470

#1 High-Power 600 Lumen LED Light

Built-in IP68 magnetic switch to cycle light between high/low/strobe (6Hz)/off. A key feature of the Kevin Jr. is that when installed in an inaccessible location (high on a sailboat mast for example), any remotely installed switch will automatically produce a high beam independent of the built-in switch.

600+ lumen rated high-power LEDs provide the highest lumen-per-watt light, outperforming other LED lights in its class.

Designed to be mounted up to 20' above deck with aerodynamic shape. ADC12 high purity die cast aluminum housing provides ample heat sinking as well as ingress protection to ensure a long operational life.

Marine grade 3-stage durable UV 3800 powder coated finish.

NMMA, USCG, ISO 8846 & SAE J1171 Ignition Protection Compliant.

PN: 9000470	Features

- Built-In IP68 Magnetic Switch to Cycle Light Between High/Low/Strobe (6Hz)/Off.
- NMMA, USCG, ISO & SAE Ignition Protection Compliant.
- IP67, MIL-STD-810G Vibration & Shock Proof, ASTM B117 Salt Spray (Fog) Compliant.
- CE, FCC Part 15, RoHS Compliant.
- 6,000 Degree Kelvin Cool White with 600 Lumens (based on LED manufacturer specifications).
- 50,000 Hour Life Span Rated US Made LEDs.
- Operating Temperature: -40 to +145 Degree F (withstands temperature extremes).
- Built-In Standard Camera Tripod Docking.
- Does not work with dimmers.
- Designed in the USA.

Specifications:

Electrical:
Input Voltage: 12/24 VDC (7-35 VDC) (0.8A @ 12 VDC)
Max Input Power: 10W
Reverse Polarity Protected
Under-Voltage and Voltage Spike Protected
Electrically Protected Against RFI/EMC Interference
Integrated Thermal Management

Mechanical:
3 Stage Durable UV 3800 Powdercoat
Tempered Glass Lens
ADC12 High Purity Aluminum Housing
Low Profile Stainless Steel U Bracket Mount with ¼" Bolt
1M 5mm Round PVC IP68 UL 20AWG 300V 80C Red/Black Cable Pair
Dimensions: 90mm (3.5") width, 50mm (2") height, 79mm (3.1") depth
Weight: 400g (14oz)
Mounting Hardware Required: one ¼" dia. hole

12/24V LED Spreader/Rail Light: Kevin Jr. X2™

NEW!

Optional Accessories:
Horizontal Rail (PN: 9000319) and Vertical Rail (PN: 9000326) Mounts (7/8" to 1 ¼" dia. rails)
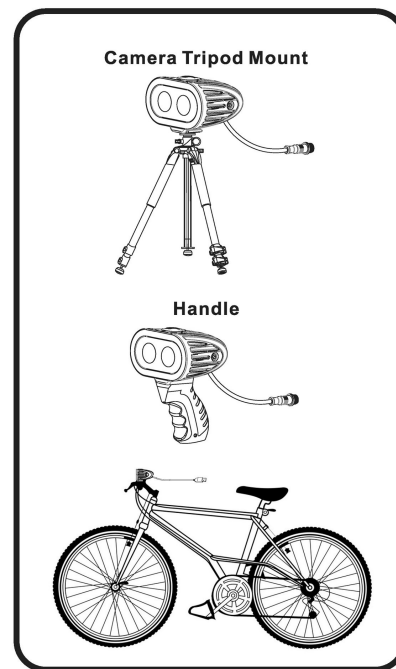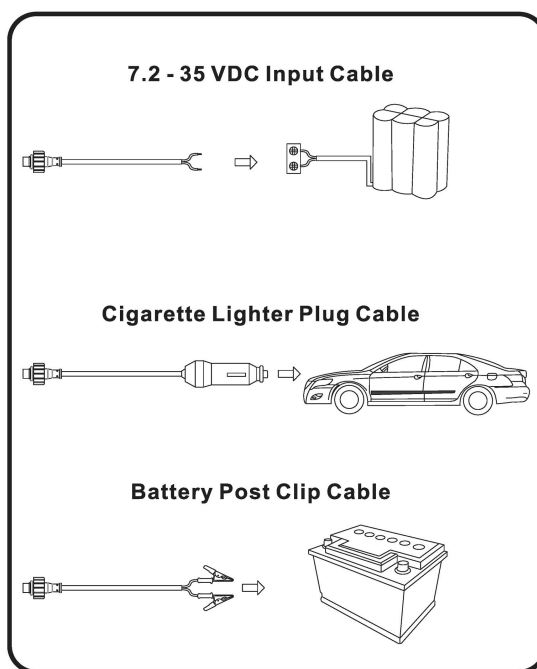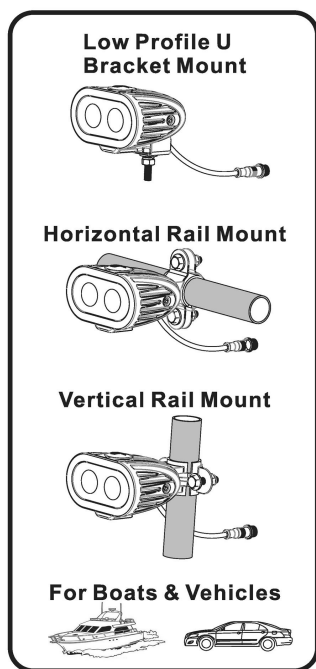Bike Rail Mount
Handle
Cigarette Lighter Plug Cable
Magnetic Car Top Mount
Car Battery Cable
Colored Lens Cover

Low Profile U Bracket Mount

Horizontal Rail Mount

Vertical Rail Mount

For Boats & Vehicles

7.2 - 35 VDC Input Cable

Cigarette Lighter Plug Cable

Battery Post Clip Cable

Camera Tripod Mount

Handle

CE FC RoHS compliant

Low Profile 5/8" Red / Cool White High-Power LED Light

Two wire installation with built-in dimming and red / white light selection with only one standard external power switch.

750+ cool white lumen rated high-power LEDs provide the highest lumen-per-watt light, outperforming other LED lights in its class.

Low current draw ~1A @ 12V.

CREE
US Made LED

ADC12 high purity die cast aluminum housing provides ample heat sinking as well as ingress protection to ensure long life operation.

Marine grade finish.

Ultra-long life. Highly shock and vibration resistant.

NMMA, USCG, ISO 8846 & SAE J1171 Ignition Protection Compliant.

PN: 9000500	Features

- Switchable Red/White with dimming.
- By toggling an on/off switch, intensity can be set for both red and white.
- NMMA, USCG, ISO & SAE Ignition Protection Compliant.
- IP67, MIL-STD-810G Vibration & Shock Proof, ASTM B117 Salt Spray (Fog) Compliant.
- CE, FCC Part 15, RoHS Compliant.
- 6,000 Degree Kelvin Cool White with 750 Lumens (based on LED manufacturer specifications).
- 50,000 Hour Life Span Rated US Made LEDs.
- Operating Temperature: -40 to +145 Degree F (withstands temperature extremes).
- Does not work with dimmers.
- Designed in the USA.

Specifications:

Electrical:
12/24 VDC (11-35 VDC) (~1A @ 12 VDC for white light)
Max Input Power: 12W
Reverse Polarity Protected
Under-Voltage and Voltage Spike Protected
Electrically Protected Against RFI/EMC Interference
Integrated Thermal Management

Mechanical:
Anodized Marine Grade Gold Color
Tempered Glass Lens
ADC12 High Purity Aluminum Housing
Low Profile European Design
6" 20AWG 300V 80C Red/Black Silicon Rubber Cable
Dimensions: 133mm (~5.24") length, 47mm (~1.85") width, 16mm (~0.63") tall

12/24V LED Dome Lights: Mars Dome™

Mars Dome Lights:

The Mars Dome is a general purpose, surface-mount light fixture with your choice of dual level white light or red/white lights for night use, with the added benefit of LED technology. These lights produce a warm white light and are fabricated from the highest quality components to assure long life and trouble-free use. Their patented internal circuitry provides consistent brightness and makes them immune to life-shortening voltage fluctuations. Their incredibly low power draw makes them the perfect way to reduce energy consumption on your boat. Latest high-power LED technology provides high lumen-per-watt light, out performing other dome LED lights.

Most Popular Marine LED Dome Lights in the world. Used and specified by the US Federal Government with national stock numbers (NSN).

Features

- Three-position switch (High/Off/Low) to select two warm white brightness levels, with the high level equivalent to about a 45 watts incandescent bulb.
- Red∕white version has a three-position switch (Red/Off/Warm White) to select red or warm white.
- Internal circuitry provides for constant energy consumption, regardless of voltage fluctuations from the source, meaning no flickering and longer LED life White version.
- Long service life, shockproof, ultra-rugged with no filament to burn out or break.
- Available in 5 ½" (140mm) and 6 ¾" (170mm) overall diameter.
- Multi-voltage 12 VDC or 24 VDC.
- Very low power consumption, approximately 3 to 5 watts depending on the selection.
- Lead and mercury free, and no UV output.

PART # NSN	8001177 6220016210857	8001184 6220016230649	8001528	8001504 6220016098772
Description	Mars Dome light	Red Mars Dome light	Mars Dome light	Red Mars Dome light
Diameter	5 ½" Chrome	5 ½" Chrome	6 ¾" Chrome	6 ¾" Chrome
LED Color	Warm White	Warm White / Red	Warm White	Warm White / Red
Lumen Output	250 Lumens (High)	250 / 40 Lumens	250 Lumens (High)	250 / 40 Lumens
Voltage	12/24 VDC	12/24 VDC	12/24 VDC	12/24 VDC
Dimensions	140mm (5 ½") dia.	140mm (5 ½") dia.	170mm (6 ¾") dia.	170mm (6 ¾") dia.
Weight	~12oz	~12oz	~12oz	~12oz

12/24V Under-Cabinet LED Lights: Warm-White & Red / White John™

Under-Cabinet LED Lights:

General purpose, surface-mount light fixture with your choice of dual level white light or red/white lights for night use; with the added benefit of LED technology. These LED lights produce a warm white light and are fabricated from the highest quality components to assure long life and trouble-free use. Their patented internal circuitry provides consistent brightness and makes them immune to life-shortening voltage fluctuations. Their incredibly low power draw makes them the perfect way to reduce energy consumption on your boat. Latest high-power LED technology provides high lumen-per-watt light, outperforming other LED lights.

Features
• White version has a three-position switch (High/Off/Low) to select two warm white brightness levels, high level equivalent to about a 45-watt incandescent bulb.
• Red ⁄ white version has a three-position switch (Red/Off/Warm White) to select red or warm white.
• Internal circuitry provides for constant energy consumption, regardless of voltage fluctuations from the source, meaning no flickering and longer LED life.
• Long service life, shockproof, ultra-rugged with no filament to burn out or break.
• Dimensions & Weight: 8" (200mm) long, 3" (76mm) wide, 1.4" (36mm) tall. 5.3oz (150gm).
• Multi-voltage 12 VDC or 24 VDC.
• Very low power consumption, approximately 1 to 3 watts depending on the setting.
• Lead free, mercury free, and no UV output.

Part #	8001696	8001719
Description	Under-Cabinet LED Light	Under-Cabinet LED Light
LED Color	Warm White	Warm White / Red
Lumen Output	120 Lumens	120 /40 Lumens
Voltage	12/24 VDC	12/24 VDC
Weight	150gm (5.3oz)	150gm (5.3oz)
Dimensions	200mm (8") long 76mm (3") wide 36mm (1.4") tall	200mm (8") long 76mm (3") wide 36mm (1.4") tall

12/24V Recessed LED Lights: Saturn Ring™

12/24V Warm White Spot PN: 8001641
12V Warm White Flood PN: 8001658
12/24V Red /White PN: 8001788

160+ lumens rated. Please note that when comparing brightness using lumen ratings between LED and incandescent lights, you should multiply the LED rated lumen output by about 8. This is because LED beams are mostly focused on 1/8th of a quadrant of a sphere's surface while incandescent light covers the whole sphere.

Saturn Ring MKII Cabin Lights:

The Saturn Ring MKII is a general purpose, recessed, water resistant fixture in your choice of spotlight or floodlight or bi-color (red/white) light models with the added benefit of high-power LED technology. These lights produce a warm white light and are fabricated from the highest quality components to assure long life and trouble-free service. Their patented internal circuitry provides consistent brightness and makes them immune to life-shortening voltage fluctuations. Their incredibly low power draw (0.3 A) makes them the perfect way to reduce energy consumption.

Features

- The spotlight model is equivalent to a 30W incandescent light, bright enough for reading, 180 lux @ 1M.
- The floodlight model is equivalent to a 30W incandescent light, a very good ambient light, 80 lux @ 1M.
- Internal circuitry provides for constant current draw, regardless of voltage fluctuations from the source (11 to 15 VDC), meaning no flickering and longer LED life.
- Long service life, shockproof, ultra-rugged with no filament to burn out or break.
- Very low power consumption (approximately 3.6 W – 0.3 A).
- Lead and mercury free, no UV output. Zero radio frequency (RF) emission.
- White and chrome colored trim rings included; brass colored (gold plated) trim ring sold separately.
- 3" (76.2mm) overall diameter; requires a 2" dia. (50.8mm) cut-out, 0.8" (20.3mm) deep.

Part #	8001641	8001658-02	8001788	8001153	8001160
Description	Recessed Spot light	Recessed Flood Light	3 Wire Bi-Color Recessed Light	Chrome Trim Ring	Brass Trim Ring
LED Color	Warm White	Warm White	Warm White / Red	-	-
Lumen Output	160 Lumens	160 Lumens	140 Lumens / 40 Lumens	-	-
Voltage	12 VDC	12/24 VDC **NEW**	12/24 VDC	-	-
Current Draw	0.3 A	0.3 A	0.3 A	-	-
Overall Dia.	76.2mm (3")	76.2mm (3")	76.2mm (3")	76.2mm (3")	76.2mm (3")
Weight	~75gm (2.5oz)	~75gm (2.5oz)	~75gm (2.5oz)		

12V Red.White LED Chart & Reading Light: Black Cobra™

CREE ◆
US Made LED

Bi-Color High-Power LED Chart and Reading Light

Bi-color (red/white) high-power LED chart and reading light with ultra-low current draw (0.2A @12V).

"European" styling.

#1 US Made LED: CREE LEDs.

An On/Off/On push button switch located at the base to select either warm white or off or red light output.

Ultra-long life. Highly shock and vibration resistant.

Zero radio interference emission.

Specifications	
Voltage/ Draw:	0.2A @ 12VDC
Fixture Material:	Plated zinc alloy head and base, coated metal gooseneck.
Fixture Dimensions:	31 mm dia. head, 77 mm oval base, 355mm (~13") long gooseneck.
Mounting Hardware:	Two 3 mm X 20 mm stainless steel screws included, requiring two 2 mm dia. holes, 3.2 mm dia. screws or bolts recommended.
Lens Material/Description:	Polycarbonate
Switch Type:	Push Button

| Part #	9000029
Description	LED Chart / Reading Light
LED Color	White / Red
Lumen Output	75 Lumens (warm white) 20 Lumens (red)
Wattage Replacement	20 W
Voltage	12 VDC
Dimensions	31 mm (~1.2") dia. head 77 mm (3") oval base 355mm (13") long gooseneck
Weight	~225g (7.5oz)

CE FC RoHS compliant

12/24V Surface Mount Underwater Light: Dave X3™
Low Profile LED Spreader Lights

White PN: 9000203
Blue PN: 9000210

CREE◆
US Made LED

Dr. LED's Dave X3 Surface Mount Underwater LED Lights:

The Dave X3 is the 2nd generation of our popular Dave surface mount underwater light. It uses the latest generation of high quality US CREE XPG LEDs with the highest lumen per watt output in the market. The polymer unibody design makes it corrosion as well as ignition proof. Ultra-rugged and shock proof.
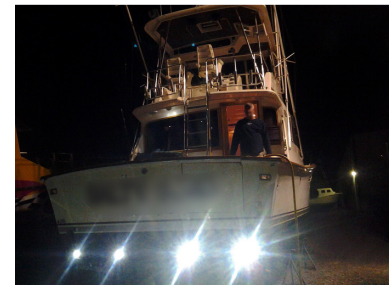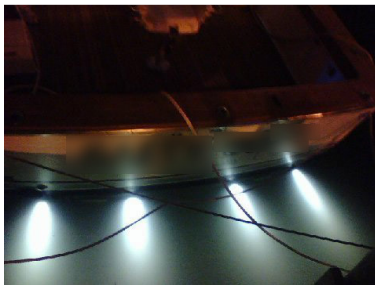
Features

- Low profile surface mount underwater, high-power LED light.
- Small foot-print (~100mm / 4" dia.).
- 12/24 VDC (10-30 VDC) input voltage range.
- ~500 lumens (cool white) or blue, narrow beam.
- Long service life, shockproof, ultra-rugged with no filament to burn out or break.
- Polymer unibody design.
- Very low power consumption (approximately 4 W).
- No toxic lead and mercury free, no UV output (RoHS Compliant).
- US CREE LEDs, designed to last up to 50,000+ hours.
- Designed in the USA, NMMA, USCG, ISO 8846 & SAE J1171 Ignition Protection Compliance.

Specifications:

Form Factor: 100mm diameter disk, low profile (1")
Voltage: 12/24 VDC (10-30 VDC)
Wattage: 4W (typical)
Lumen Output: 500 Lumens (for white)
Color Temperature: cool white 5,000º K (typical) or blue
Main Beam Angle: 25º
Ambient operating temperature: -10º C to +30º C
Dimensions: 100mm (~4") dia. 25.4mm (1") tall
Weight: 175gm (6.2oz)

CE FC RoHS Compliant

12/24V Low Profile Through-Hull Stainless Steel Underwater LED Lights: Neptune X6™

NEW!

CREE®
US Made LED

Neptune Underwater LED Lights:

This 1500+ lumen Neptune Light outperforms any other LED light in the same category in terms of price and light output. Six US-made high-power LEDs provide the highest lumen-per-watt underwater light ever made. The SAE 316L stainless steel body makes it extremely corrosion proof.

Neptune X6 White	**PN: 9000487**	**Cool White (6000K)**	**1500+ Lumens**
Neptune X6 Blue	**PN: 9000494**	**Blue**	**300+ Lumens**

Features

- 5mm (~0.2") low profile and 100mm (~3.9") diameter small footprint.
- Same dimensions as our popular three LED aluminum Neptune Light.
- Six state-of-the-art 3W, US made, high-quality, high-power LEDs provide the most lumens per watt in LED technology.
- High-intensity LED light travels farther underwater for maximum visibility and truer colors.
- Instant on, no warm-up of bulb needed.
- SAE 316L stainless steel unibody.
- Long service life, shock proof, ultra-rugged with no filament to burn out or break.
- No anodes required, as housing is corrosion proof.
- Multi-voltage 12 VDC or 24 VDC.
- Input Voltage Range: 11-35VDC (2A @ 12VDC).
- Max Input Power: 25W.
- Reverse Polarity Protected.
- Under Voltage and Voltage Spike Protected.
- Electrically Protected Against RFI/EMC Interference.
- Integrated Thermal Management.
- Operating Temperature: -40 to +145 Degree F (withstands temperature extremes).
- Lens Material: 10mm tempered glass.
- Mechanical Connection: Requires one 68mm (~2 11/16") dia. hole.
- Maximum Hull Thickness: < 100mm (~3.9").

Compliance:

NMMA, USCG, ISO 8846 & SAE J1171 Ignition Protection
ABYC H-27 Side Load Test
MIL-STD-810G Vibration & Shock Proof
ASTM B117 Salt Spray (Fog)
CE, FCC Part 15, RoHS, IP68

12/24V LED Replacement Bulbs: Edison LED™ / Edison SideKick™

Medium Screw Base General Purpose Bulbs:

US-made high-quality high-power LEDs. Unique, cutting edge, internal circuitry and the highest quality components make Dr. LED's the longest lasting, most energy efficient LED products on the market. These high-quality, general-purpose bulbs produce a warm white light and are the perfect way to reduce energy consumption in your boat, or even your home. The Edison LED produces a spot-type beam and are best used in directional light fixtures. The Edison SideKick produces a side-emitting beam and is best used for lights with a lampshade.

NEW!

CREE◆
US Made LED

Features

- Fits E26/27 medium screw base "household" style sockets.
- Ideal for solar panel users.
- Internal circuitry provides for constant energy to LEDs regardless of voltage fluctuations from the source, meaning no flickering, optimal brightness and longer LED life.
- Long service life, shockproof, ultra-rugged with no filament to burn out or break.
- 1W US made high-quality high-power LEDs produce the equivalent of about a 30 watt incandescent bulb within the main beam - with only 1 watt of consumption.
- 3X US-made high-quality high-power LEDs produce the equivalent of about a 60 watt incandescent bulb within the main beam - with 3-5 watts of consumption.
- Lead and mercury free, no UV output.

Part #	8001276	8001801 (Replaces 8001283)	8001818 (Replaces 8001351)
Description	Edison 1W	Edison 3X	Edison 3X
Voltage	12V AC/DC	12V AC/DC or 24 VDC	12V AC/DC or 24 VDC

CE FC RoHS Compliant

LED Replacement Bulbs: **Bayonet and Bi-Pin Magnum LED**™

PN: 8001245
Single Contact

PN: 8001269
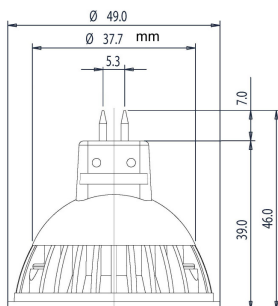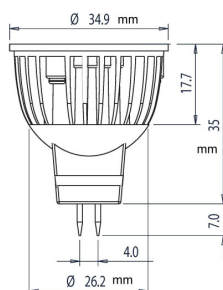Double Contact

PN: 8001238
G4 MR11

The Magnum LED:

These bulbs come in several models and are ideal for replacing your existing incandescent or halogen bayonet or bi-pin lights. Unique, cutting edge, internal circuitry and the highest quality components make Dr. LED's the longest lasting, most energy efficient LED products on the market. These high-quality bulbs produce a warm white light, and are the perfect way to reduce energy consumption on your boat. They have a long service life, are shock proof, and UV, lead and mercury-free. These bulbs are ideal for cockpit; map reading lights, emergency lights, etc. They produce a spot-type beam and are best used in directional light fixtures.
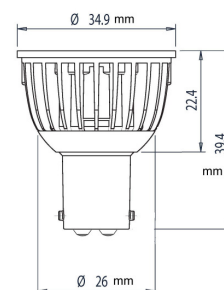
Features

- Bayonet style bulbs replace BA type (15 mm) incandescent bulbs used in many boats and RVs; available in single contact (BA15S), and double contact indexed (BAY15D) and non-indexed styles (BA15D).
- 2-pin style with 4 mm pin spacing replaces the super hot "standard" G4 and MR11 mini-reflector style halogen bulbs, commonly used in many boats and RVs. Note: check for base clearance on MR11.
- 2-pin style with 5.3 mm pin spacing replaces the hot MR16, mini-reflector halogen bulbs.
- Lead and mercury free, no UV output.
- For most reading lights.

12V MR16 1W
PN: 8001290

MR11 MK11
PN: 8001238

Bayonet Magnum Ring MK II
PN: 8001245, 8001252, 8001269

Part #	8001290	8001399	8001238
Type	MR16	MR16	MR11
Description	Bi-pin 1W	Bi-Pin 3W	Bi-Pin 1W
Lumen Output	40 Lumens	80 Lumens	40 Lumens
Voltage	12V AC/DC	12V AC/DC	12V AC/DC

Part #	8001245	8001252	8001269-02
Type	BA15S	BAY15D	BA15D
Description	Bayonet	Bayonet	Bayonet
Connection	1 Contact	2 Contact	2 Contact
		Index	Non-Index
	1W	1W	2W
Lumen Output	40 Lumens	40 Lumens	120 Lumens
Voltage	12V AC/DC	12V AC/DC	12/24 VDC & 12VAC

Index (Offset Side Pins) — 15mm

Non-Index (Level Side Pins) — 15mm
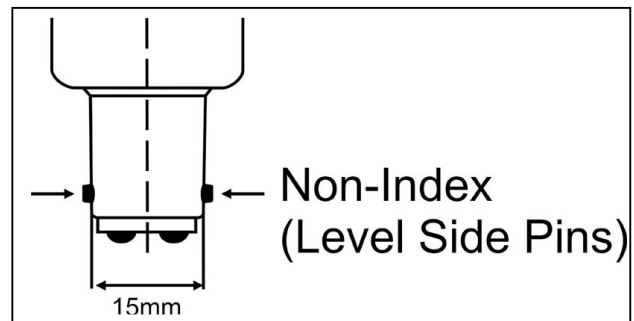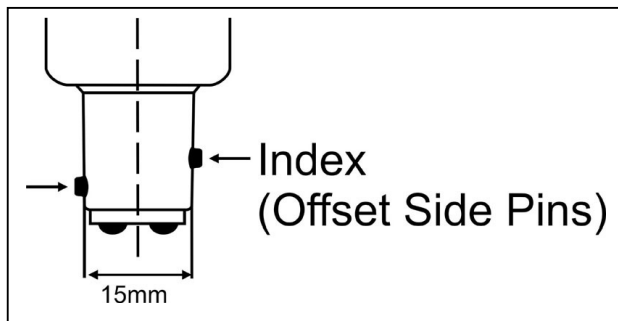
12/24V LED Replacement Bulb: 1383 "Elongated" Single Contact Magnum LED™

PN: 9000449

This bulb is ideal for replacing your existing incandescent or halogen bayonet bulb in fixtures that require an elongated single contact bulb. Unique, cutting edge, internal circuitry and the highest quality components make Dr. LED's the longest lasting, most energy efficient LED products on the market. This high-quality bulb produces a warm white light, and is the perfect way to reduce energy consumption on your boat. It has a long service life, is shock proof, and UV, lead and mercury-free. It produces a spot-type beam and is best used in directional light fixtures.

Features

- "Elongated" Bayonet style bulb replaces BA type (15 mm) incandescent bulbs used in many boats and RVs; available in single contact (BA15S).
- Lead and mercury free, no UV output.
- For most reading lights that require an "elongated" bayonet bulb.

CREE◆
US Made LED

Part #	9000449
Type	BA15S
Description	Bayonet
Connection	Single Contact
Power	2W
Lumen Output	150 Lumens
Voltage	12/24 VDC or 12 VAC

Dr. LED

12V G4 SMD LED Disks

For reading lights, recessed lights, etc.

These G4 MR11 disks come in several models (12V or 24V) and are ideal for replacing your existing incandescent or halogen bi-pin bulbs. Unique, cutting edge, internal circuitry and the highest quality components make Dr. LED's the longest lasting, most energy efficient LED products on the market. These high-quality bulbs produce warm white or blue or red lights, and are the perfect way to reduce energy consumption on your boat. They have a long service life, are shock proof, and UV, lead and mercury-free. These bulbs are ideal for cockpit lights; map reading lights, emergency lights, etc. They produce a flood-type beam and work well in many light fixtures.

Both axial (center) and radial (side) connection pins are provided. Please shear off the pins that are not needed.

Features		
• High-quality marine environment US designed SMD LED disks.		
• Soothing warm white or blue or red lights.		
• Zero radio frequency (RF) emission, surface-mount-device design.		
• Conformal coated & use of long life components, e.g. use of ceramic capacitor (not low hour electrolytic capacitor).		
• Internal circuitry provides constant current draw regardless of voltage fluctuations from the source (10 to 18 VDC for 12V models 20 to 32 VDC for 24V models), meaning no flickering and longer LED life.		
• Long service life, shockproof, ultra-rugged with no filament to burn out or break.		
• Very low power consumption.		
• Designed in the USA.		

	G4 LED Disk	Red G4 LED Disk	Blue G4 LED Disk
Part #	**9000081**	**9000098**	**9000364**
Description	For reading and recessed lights	For reading and recessed lights	For reading and recessed lights
Bulb Type	G4	G4	G4
Connection	Bi-Pin	Bi-Pin	Bi-Pin
LED Color	Warm White	Red	Blue
Voltage (V)	12 VDC	12 VDC	12 VDC
Current (A)	0.13A	0.13A	0.13A
Watt Replacement	20W eqv.	10W eqv.	10W eqv.
Lumen Rating	120 Lumens	30 Lumens	30 Lumens
Dimensions	5.5mm (0.2") thick 30mm (1.2") dia.	5.5mm (0.2") thick 30mm (1.2") dia.	5.5mm (0.2") thick 30mm (1.2") dia.

24V G4 SMD LED Disks
For reading lights, recessed lights, etc.

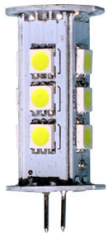|	24V G4 LED Disk	24V Blue G4 LED Disk
Part #	**9000340**	**9000418**
Description	For reading and recessed lights	For reading and recessed lights
Bulb Type	G4	G4
Connection	Bi-Pin	Bi-Pin
LED Color	Warm White	Blue
Voltage (V)	24 VDC	24 VDC
Current (A)	0.07A	0.07A
Watt Replacement	20W eqv.	10W eqv.
Lumen Rating	120 Lumens	30 Lumens
Dimensions	5.5mm (0.2") thick 30mm (1.2") dia.	5.5mm (0.2") thick 30mm (1.2") dia.

12V Mini G4 Star™
12V G4 LED Tower
For reading lights, recessed lights, nav lights etc.

NEW!

PN: 9000432
PN: 9000104

This 12V mini G4 LED bulb is ideal for replacing your existing incandescent or halogen bi-pin G4 bulbs. Unique, cutting edge, internal circuitry and the highest quality components make Dr. LED's the longest lasting, most energy efficient LED products on the market. This high-quality bulb produces warm white light, and is the perfect way to reduce energy consumption on your boat. It has a long service life, is shock proof, and UV, lead and mercury-free. This bulb is ideal for cockpit lights; map reading lights, emergency lights, etc. It produces a radial 360-degree beam and works well in many light fixtures.

Features
• * High-Power LED   *2 NM visibility   *12 VDC   *Warm White
• Soothing warm white light.
• Zero radio frequency (RF) emission, surface-mount-device design.
• Conformal coated & use of long life components, e.g. use of ceramic capacitor (not low hour electrolytic capacitor).
• Internal circuitry provides constant current draw regardless of voltage fluctuations from the source (11 to 15 VDC), meaning no flickering and longer LED life.
• Long service life, shockproof, ultra-rugged with no filament to burn out or break.
• Very low power consumption (approx. 1 watt, 0.1A @ 12 VDC).
• Lead and mercury free, no UV output.
• Designed in the USA.

	12V G4 Tower	12V Mini G4 LED Bulb
Part #	**9000104**	**9000432**
Description	For reading lights, etc.	For reading, recessed, nav lights, etc.
Bulb Type	G4	G4
Connection	Bi-Pin	Bi-Pin
LED Color	Warm White	Warm White
Voltage (V)	12 VDC	12 VDC
Current (A)	0.2A	0.1A
Watt Replacement	30W eqv.	10W eqv.
Lumen Output	195 Lumens	60 Lumens
Dimensions	40mm (1.6") long 20mm (0.8") dia.	14mm (0.55") length 12mm (0.47") dia.

12V SMD LED Replacement Bulbs
For reading lights, interior lights, Windex light, etc.

These bulbs come in several models and are ideal for replacing your existing incandescent or halogen bayonet, bi-pin, wedge base, or Windex lights. Unique, cutting edge, internal circuitry and the highest quality components make Dr. LED's the longest lasting, most energy efficient LED products on the market. These high-quality bulbs produce a soothing warm white light, and are the perfect way to reduce energy consumption on your boat. They have a long service life, are shock proof, and UV, lead and mercury-free. These bulbs are ideal for cockpit; map reading lights, emergency lights, etc. They produce a flood-type beam and are best used in many light fixtures.

Please note that these bulbs are not approved for navigation use. Do not use for nav lights.

Features

- High-quality US designed SMD LED bulbs.
- Soothing warm white light.
- Zero radio frequency (RF) emission.
- Conformal coated & use of long life components, e.g. ceramic capacitor (not low hour electrolytic capacitor).
- Internal circuitry provides for constant energy consumption, regardless of voltage fluctuations from the source (10 to 18 VDC), meaning no flickering and longer LED life.
- Long service life, shockproof, ultra-rugged with no filament to burn out or break.
- Very low power consumption (approximately 1 to 2 watts).
- Designed in the USA.

Windex Star in Windex Light

	Single Sided Wedge Base	Windex Star
Part #	**8001559**	**9000166**
Description	For reading lights	For Windex light
Bulb Type	Single T5 Wedge	Edison 10mm
Connection	Single T5 Wedge	Edison 10mm
LED Color	Warm White	Warm White
Voltage (V)	12 VDC	12 VDC
Current (A)	0.045A	0.02A
Wattage Replacement	5W eqv.	3W eqv.
Dimensions	27mm (1.1") long 15mm (0.6") wide	10mm (0.4") dia.

12V SMD TOWER LED Replacement Bulbs

For reading lights, interior lights, Windex light, etc.
Bayonet Style

Part #	9000111	9000128	9000135	9000142
Description	For Reading Lights	For Reading Lights	For Reading Lights	For Reading Lights
Bulb Type	Bayonet 15mm BA15S	Bayonet 15mm BA15D	Bayonet 15mm BA15D	Bayonet 15mm BAY15D
Connection	Single Contact	Double Contact Non-Index	Double Contact Non-Index	Double Contact Index
Wattage Replacement	30W eqv. (195 Lumens)	30W eqv. (195 Lumens)	20W eqv. (50 Lumens)	30W eqv. (195 Lumens)
LED Color	Warm White	Warm White	Red	Warm White
Voltage (V)	12 VDC	12 VDC	12 VDC	12 VDC
Current (A)	0.2 A	0.2 A	0.2 A	0.2 A
Dimensions	40mm (1.6") long 20mm (0.8") dia.	40mm (1.6") long 20mm (0.8") dia.	40mm (1.6") long 20mm (0.8") dia.	40mm (1.6") long 20mm (0.8") dia.

Index
(Offset Side Pins)
15mm

Non-Index
(Level Side Pins)
15mm

CE FC RoHS Compliant
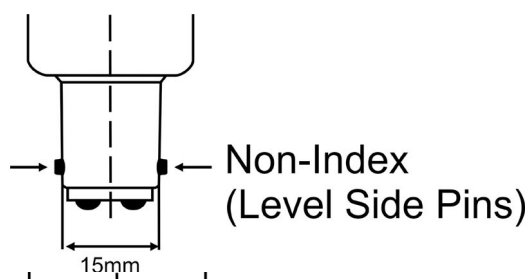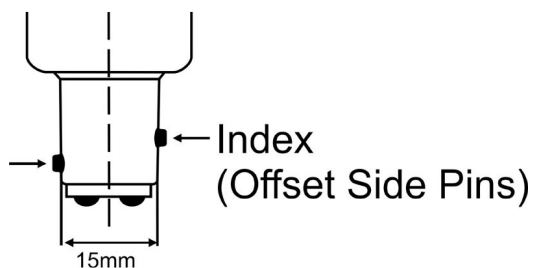
12/24V Dome Light LED Conversion Kits

These dome light LED conversion kits come in several models* and are ideal for replacing your existing incandescent or halogen dome light bulbs. Unique, cutting edge, internal circuitry and the highest quality components make Dr. LED's the longest lasting, most energy efficient LED products on the market. These high-quality bulbs produce a warm white light, and are the perfect way to reduce energy consumption on your boat. They have a long service life, are shock proof, and UV, lead and mercury-free. These bulbs are ideal for cockpit lights; map reading lights, emergency lights, etc. They produce a flood-type beam and work well used in many light fixtures.
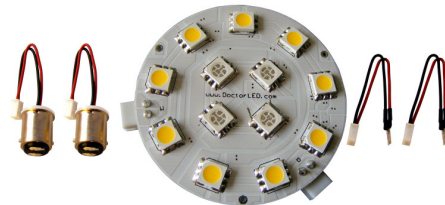
*Two voltage models to choose from for 12 VDC and 24 VDC systems. Two light output models to choose from: two levels of warm white or warm white / red light.

Both bayonet double contact non-index (BA15D) and bi-pin connection pigtails are provided.
Bi-color models are for dome lights with two bulbs (one red and one white).

Features

- High-quality marine environment US designed SMD LED disks.
- Soothing warm white light or red light.
- Zero radio frequency (RF) emission.
- Conformal coated & use of long life components: e.g. ceramic capacitor, not low hour electrolytic.
- Long service life and shockproof.
- Ultra-rugged with no filament to burn out or break.
- Very low power consumption.
- Designed in the USA.

	12 VDC Dome Kit	12 VDC Bi-Color Dome Kit	24 VDC Dome Kit	24 VDC Bi-Color Dome Kit
Part #	**9000159**	**9000333**	**9000395**	**9000401**
Description	For dome lights	For dome lights	For dome lights	For dome lights
Connection	Bi-Pin & 15mm Bayonet	Bi-Pin & 15mm Bayonet	Bi-Pin & 15mm Bayonet	Bi-Pin & 15mm Bayonet
LED Color	Warm White	White / Red	Warm White	White / Red
Voltage (V)	**12 VDC**	**12 VDC**	**24 VDC**	**24 VDC**
Current (A)	0.18 A	0.18 A	0.09 A	0.09 A
Watt Replacement (White)	30W eqv.	25W eqv.	30W eqv.	25W eqv.
Lumen Rating (White)	180 Lumens	135 Lumens	180 Lumens	135 Lumens
Dimensions	5.5mm (0.2") thick 50mm (2") dia.	5.5mm (0.2") thick 50mm (2") dia.	5.5mm (0.2") thick 50mm (2") dia.	5.5mm (0.2") thick 50mm (2") dia.

100-240VAC 50W LED Floodlight : Big John™

Elite M505 Professional Grade   **PN: 9000296**

Dr. LED's Elite M505 50W High-Power LED Floodlight:

This professional grade high-power 50W LED floodlight is specially designed as a direct replacement for most exterior floodlights. The use of a high-quality UL approved LED driver and LED is the perfect way to reduce energy consumption.

Description: 50W LED, cool white, ~6000 ° K color temperature, ~120 deg. beam angle, IP65 ingress rated, powder coated aluminum housing, high impact tempered glass lens, 50W high-power ceramic LED, ~4,000 lumen output, high-quality UL LED driver, oil and solvent resistant gasket, 6.5 ft. (2 meters) cable.

Features

- Flood beam, 50W LED, replaces most exterior floodlights.
- 90% lower consumption than incandescent lights.
- Starts immediately with zero warm up or delay.
- Universal line voltage: 100-240 VAC input voltage.
- 4,000 lumens, cool white, ~6000° K, 120° flood beam.
- Long service life, shockproof, ultra-rugged with no filament to burn out or break.
- Maintenance free.
- Very low power consumption (approximately 50 W).
- No toxic lead and mercury free, no UV output.
- Designed to last up to 50,000+ hours.

Specifications:

Form Factor: Exterior floodlight
Input Voltage: 100-240 VAC 50-60Hz (Power Factor: 0.92)
Wattage: ~50W (typical)
UL Listed LED Driver (UL and EMC Compliance)
Lumens: ~4,000 (typical) Color Temperature: cool white ~6000 ° K
Main Beam Angle: 120 °
Ambient operating temperature: -10 ° C to +40 ° C
Ambient operating humidity: 20%-80% non-condensing
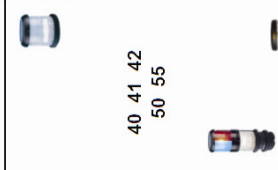Fixture Material: Powder coated aluminum
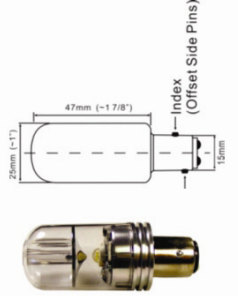Glass: High impact tempered glass lens
Gasket: Oil and solvent resistant rubber
Dimensions: 292mm (11.5") length, 220mm (8.7") width, 78mm (3.1") thickness
Weight: 3.6kg (8lb)

Brand	Series	Nav Light Color	Bulb Style	Mfg. Bulb No.	Dr. LED Model	Dr. LED Part No.	Voltage	Visibility	Base	Remarks
Aqua Signal	40 41 42 50 55	12V White	DC Index	90005	White Polar Star 40 MKII	8001757	12V	2nm	BAY15D	
		24V White	DC Index	90006	White Polar Star 40 MKII	8001757	24V	2nm	BAY15D	
		Red	DC Index	90002	Red Polar Star 40 MKII	8001764	12/24V	2nm	BAY15D	
		Green	DC Index	90002	Green Polar Star 40 MKII	8001771	12/24V	2nm	BAY15D	
		Amber / Yellow	DC Index	90002	Amber/Yellow Polar Star 40 MKII	8000043	12/24V	2nm	BAY15D	
		Bi-Color Red/Green	DC Index	90002 (base mount)	Bi-Color Polar Star 40	8001085 8001634	12V	2nm	BAY15D	
		Bi-Color Red/Green	DC Index	90002 (top mount)	Bi-Color Polar Star 41	8001092 8001634	12V	2nm	BAY15D	
		Tri-Color Red/Green/White	DC Index	90002	Tri-Color Polar Star 40	8001450	12V	2nm	BAY15D	
		24V Tri-Color Red/Green/White	DC Index	90003	24V Tri-Color Polar Star 40	8001436	24V	2nm	BAY15D	
	20	12V White, Red, or Green	Miniature Non-Index	90384 / 90496	Polar Star 20	8001849	12V	2nm	BA9S	Ancor 529095, 529104, 522112, 522122, 529333
	25	series 25 deck light	Miniature Non-Index	90384 / 90496	Polar Star 20	8001849	12V	2nm	BA9S	
	25	White	Dimpled Festoon	90200, 90201	39-44mm Festoon Star	9000241	12V	2nm	Festoon	
		Red	Dimpled Festoon	90200, 90201	Red Festoon Star	8001573	12V	2nm	Festoon	
		Green	Dimpled Festoon	90200, 90201	Green Festoon Star	8001580	12V	2nm	Festoon	
		Bi-Color Red/Green	Dimpled Festoon	90200	Bi-Color Polar Star 25	8001122	12V	2nm	Festoon	
Hella	2984 2386	12/24V White	DC Index	78290, 78291, 78292, 78293, 78297, 8GA003488-121	White Polar Star 40 MKII	8001757	12/24V	2nm	BAY15D	
		12/24V Red	DC Index	78290, 78291, 78292, 78293, 78297, 8GA003488-121	Red Polar Star 40 MKII	8001764	12/24V	2nm	BAY15D	
		12/24V Green	DC Index	78290, 78291, 78292, 78293, 78297, 8GA003488-121	Green Polar Star 40 MKII	8001771	12/24V	2nm	BAY15D	
		12/24V Bi-Color Red/Green	DC Index	78290, 78291, 78292, 78293, 78297, 8GA003488-121	Bi-Color Polar Star 40 MKII	8001634	12/24V	2nm	BAY15D	
		12/24V Tri-Color Red/Green/White	DC Index	78290, 78291, 78292, 78293, 78297, 8GA003488-121	Tri-Color Polar Star 40 MKII	8001450	12/24V	2nm	BAY15D	
	3562, 8505	12V White	Festoon	78206, 8GM002091-131	39-44mm Festoon Star	9000241	12V	2nm	Festoon	
		12V Red	Festoon	78206, 8GM002091-131	Red Festoon Star	8001573	12V	2nm	Festoon	
		12V Green	Festoon	78206, 8GM002091-131	Green Festoon Star	8001580	12V	2nm	Festoon	
	2010	12V White	Festoon	78202, 8GM 993 406-001	31mm White Festoon Star	9000173	12V	2nm	Festoon	Ancor 529102
	2492	12/24V White	Single Contact Bayonet	78235, 78236, 8GA002071-131	H2492 Star	8000067	12V	2nm	BA15S	Ancor 529095, 529104, 522112, 522122, 529333

E.&O.E.

Brand	Series	Nav Light Color	Bulb Style	Mfg. Bulb No.	Dr. LED Model	Dr. LED Part No.	Voltage	Visibility	Base	Remarks
Perko		12/24V White	DC Index	037512V10W 037512V25W	White Polar Star 40 MKII	8001757	12/24V	2nm	BAY15D	
		12/24V White	DC Index	037524V10W 037524V25W	White Polar Star 40 MKII	8001757	12/24V	2nm	BAY15D	
	0200	12/24V Red	DC Index	037512V25W 037524V25W	Red Polar Star 40 MKII	8001764	12/24V	2nm	BAY15D	
		12/24V Green	DC Index	037512V25W 037524V25W	Green Polar Star 40 MKII	8001771	12/24V	2nm	BAY15D	
		12/24V Bi-Color Red/Green	DC Index	037512V25W 037524V25W	Bi-Color Polar Star 40 MKII	8001634	12/24V	2nm	BAY15D	
		12/24V Tri-Color	DC Index	037512V25W 037524V25W	Tri-Color Polar Star 40 MKII	8001450	12/24V	2nm	BAY15D	
	0329	12V White	DC Non-Index	Fig. 337 0337011DP 0337012DP 0337014DP	HEX GE90 Star	9000425	12V	2nm	BA15D	
	0329	12V White	DC Non-Index	Fig. 337 0337011DP 0337012DP 0337014DP	HEX GE90 Star	9000425	12V	2nm	BA15D	
	1127, 1128, 1129, 1130	12/24V White	DC Non-Index	0374001CLR 0337013DP	White Polar Star 40 NI MKII	8001078	12/24V	2nm	BA15D	
		12V Red	DC Non-Index	0374001CLR 0337R12DP	Red Polar Star 40 NI	8001382	12V	2nm	BA15D	
		12V Green	DC Non-Index	0374001CLR 0337G12DP	Green Polar Star 40 NI	8001405	12V	2nm	BA15D	
	0135, 0227, 0228, 0229, 0232, 0262, 0253, 0254, 0260, 0273, 0277, 0281, 0296, 0904, 0915, 0945, 0955, 0963, 0964, 0965, 0972, 1123, 1124, 1125, 1181, 1178, 1181, 1183, 1184, 1196, 1197, 1201, 1211, 1212, 1218, 1284, 1310, 1331, 1332, 1421, 1422, 1601, 1602, 1612, 1614	12V White	Festoon	Fig. 71 0071DP0CLR 0071DP8CLR	31mm White Festoon Star	9000173	12V	2nm	Festoon	Ancor 529102
Forespar	0120, 0170	12V White	Festoon	Fig. 69 0069DP0CLR	39-44mm White Festoon Star	9000241	12V	2nm	Festoon	Ancor 529095, 529104, 522112, 522122, 529333
	0106, 0108, 0109, 0110, 0111, 0259, 0939, 0946, 4F, 5F, 7F	12V White	Festoon	Fig. 70 0070DP1CLR 0070DP2CLR	39-44mm White Festoon Star	9000241	12V	2nm	Festoon	Ancor 529095, 529104, 522112, 522122, 529333
	0120, 0170	24V White	Festoon	Fig. 67 0067DP1CLR 0067DP2CLR	24V 39-44mm White Festoon Star	9000357	24V	2nm	Festoon	
	0238, 0239, 1236, 1273, 1274, 1281, 1283, 1284, 1440, 1445, 1450, 1451, 1452, 1455, 1456, 1460, 1461, 1465, 1470, 1604, 1607, 1622, 1634, 1637, 1656	12V White	Wedge	338DP2CLR	P338 Wedge Star**	9000371	12V	2nm	Wedge	
	0362, 0371, 0455, 0466, 1134, 1137, 1209, 1301, 1311, 1330, 1400, 1401	12V White	DC Non-Index	Fig. 337 0337011DP 0337012DP 0337014DP	HEX GE90 Star	9000425	12V	2nm	BA15D	
Scotty	ML-2	12V White	Festoon	WN-211, 132025	39-44mm White Festoon Star	9000241	12V	2nm	Festoon	Ancor 529095, 529104, 522112, 522122, 529333
	ML1, ML2 Deck	12V White	MR16	132035	MR16 3W Magnum LED MKII	8001399	12V	deck	MR16	
Attwood	SCO 802C, 803C	12/24V White	DC Non-Index		White Polar Star 40 NI MKII	8001078	12/24V	2nm	BA15D	
	SCO 802R, 803R	12V Red	DC Non-Index		Red Polar Star 40 NI	8001382	12V	2nm	BA15D	
	7200 series: 7208, 7212, 7220, 7260, 7261, 7262, 7264, 7265, etc.	12V White	Festoon		31mm White Festoon Star	9000173	12V	2nm	Festoon	Ancor 529102

E.&O.E.

Navigation Light LED Replacement Bulbs: Polar Star™
With 2NM Certified Light Engines

2 NM Aqua Signal series 40 and series 25 nav light LED replacement bulbs:

Red Polar Star 40 MKII*   **White Polar Star 40 MKII***   **Green Polar Star 40 MKII***

Bi-Color Polar Star 40   **Tri-Color Polar Star 40 MKII**   **Bi-Color Polar Star 41**

Bi-Color Polar Star 25   **(White Polar Star 25 replaced by new 39-44mm Festoon Star)**

*2NM USCG COLREG 1972 ABYC A-16 Certified

The 40 & 25 Series NAV LED Bulbs:

These LED bulbs are specially designed as direct replacements for most of the incandescent navigation lights available on the market such as those from Aqua Signal® (series 40, 41, 42, 50, 55) as well as the ones from Attwood®, Hella®, Perko® and several other manufacturers. These high-quality bulbs are the perfect way to reduce energy consumption on your boat with a current draw of only about 0.1A @ 12V. They are especially well-suited for mast mounted lights, as their incredible reliability will mean an end to frequent climbs up the mast to replace nav light bulbs.

Features

- White, red, green, bi-color (red / green) and tri-color (red / green / white).
- Internal circuitry provides for constant current consumption, regardless of voltage fluctuations from the source (11 to 15 VDC), meaning no flickering and longer LED life.
- Long service life, shockproof, ultra-rugged with no filament to burn out or break.
- Conformal coated & use of long life components: e.g. ceramic capacitor (not low hour electrolytic capacitor).
- LED bulbs satisfy all brightness, distance (2 NM), and arc requirements set forth by the US Coast Guard for vessels less than 50 m (165 ft.) in length.
- Very low power consumption (approximately 1 W).
- Lead and mercury free, & no UV output.

Index (Offset Side Pins) — 15mm

Non-Index (Level Side Pins) — 15mm
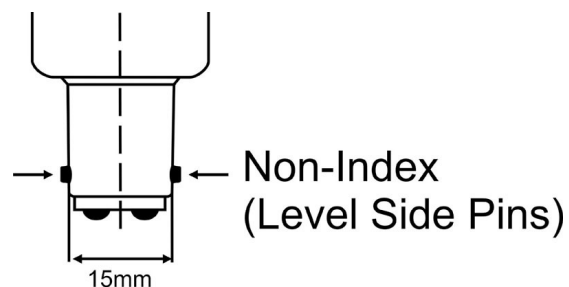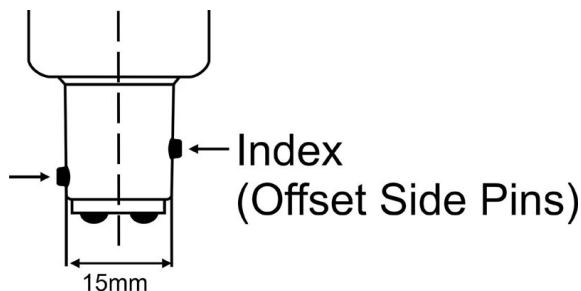
Series 40

2NM Single Color Index Models (For Aqua Signal series 40, 41, 42, 55 etc.; Perko 200 (Fig. 0375), Hella 2984, 2986, 2988, etc.)

Part #	8001757	8001764	8001771	8000043
Description	For anchor, steaming, & stern nav. lights	For port nav. lights.	For starboard nav. lights.	For amber/yellow nav. lights
LED Color	White	Red	Green	Amber / Yellow
Voltage	12/24 VDC	12/24 VDC	12/24 VDC	12/24 VDC
Bulb Type	Indexed	Indexed	Indexed	Indexed

2NM Single Color Non-Index Models
(For Perko series 1127, 1130, etc.; Perko Bulb Fig. 0374)

Part #	8001078-02	8001382	8001405
Description	For anchor, steaming, & stern nav. lights	For port nav. lights.	For starboard nav. lights.
LED Color	White	Red	Green
Voltage	12/24 VDC	12 VDC	12 VDC
Bulb Type	Non-Index	Non-Index	Non-Index
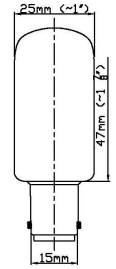
25mm (~1")
47mm (~1 8")
15mm
Non-Indexed
(Level Side Pins)

Bi-Color

Part #	8001085	8001092
Description	Bi-Color	Bi-Color
	PS40	PS41
Bulb Type	Aqua Signal series 40 Base Mount	Aqua Signal series 41 Top Mount
LED Color	Red / Green	Red / Green
Voltage	12 VDC	12 VDC
Remark	Indexed	Indexed
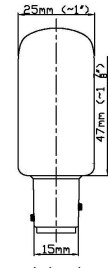
25mm (~1")
47mm (~1 8")
15mm
Indexed
(Offset Side Pins)

Tri-Color

Part #	8001450	8001436
Description	Tri-Color MKII	24 Tri-Color
Replacement	For aqua signal, Hella, & Perko tri-color nav lights	For 24V aqua signal series 40 tri-color stack
LED Color	White / Red / Green	White / Red / Green
Voltage	12 VDC	24 VDC
Remark	Indexed	Indexed

Series 25
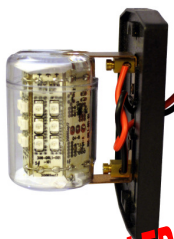
Part #	8001122	9000241
Description	Bi-Color (Dimpled & Pointed Festoon)	2NM 39-44mm White Festoon
Bulb Type	Port, starboard, and bi-color nav. lights	
LED Color	Red / Green	White
Voltage	12 VDC	12 VDC

NOW with SMD LEDS

Navigation Light LED Replacement Bulbs: **Hex GE90 Star**™
H2492 Star™

One-to-one 2NM replacement for Perko Bulb Fig. 337 and Trade #68, #90, #94, #1004 etc. bulbs for nav and reading lights.

The Hex GE90 Star NAV LED Bulb:

This LED bulb is specially designed as a direct, one-to-one, replacement for the incandescent navigation anchor lights available on the market such as those from Perko and other manufacturers.

This high-quality bulb is the perfect way to reduce energy consumption on your boat with a current draw of only about 0.12A. This is especially well-suited for mast mounted lights, as their incredible reliability will mean an end to frequent climbs up the mast to replace nav light bulbs.

**One-to-one replacement for
Perko Bulb Fig. 337
Trade #68, #90, #94, & #1004
bulbs.**

Works on Perko Series 0120, 0170, 1301, 0337, 0362, 0371, 0455, 0466, 1134, 1137, 1209, 1311, 1330, 1400, 1401, etc.

Features

- Bayonet 15mm double contact non-index (non-offset) configuration
- #1004, #90 etc. bulb replacements (one-to-one replacement)
- For 2NM nav lights
- * High-Power LED   *2 NM visibility   12VDC
- Conformal coated & use of long life components: e.g. ceramic capacitor (not low hour electrolytic capacitor).
- Internal circuitry provides for constant energy consumption, regardless of voltage fluctuations from the source (10 to 15 VDC), meaning no flickering and longer LED life
- Long service life, shockproof, ultra-rugged with no filament to burn out or break
- Very low power consumption (approximately 1 W)

Single contact model works on Hella 2492 anchor light.

Part #	9000425	8000067
Description	2NM anchor light	2NM anchor light
Replacement	#68, #90, *94, #1004 bulbs (one-to-one)	Hella 2492
Bulb Type	Double contact non-index	Single contact
Voltage, Lumen Output	12 VDC, 90 Lumens (15W eqv.)	12/24 VDC

CE FC RoHS Compliant

Navigation Light LED Replacement Bulbs: Polar Star 20™

12 VDC 2NM 9mm single contact miniature bayonet LED replacement bulb for navigation & deck lights.
Replaces aqua signal series 20 nav light bulbs and aqua signal series 25 deck light bulb

aqua signal series 20

9mm Miniature Bayonet Bulb

Finally, a true one-to-one LED replacement bulb for incandescent navigation lights using 9mm miniature bayonet bulbs. This single contact bayonet LED bulb is specially designed as a direct replacement for many navigation and deck lights. It works with aqua signal series 20 nav lights and aqua signal series 25 deck lights. This high-quality high-power LED bulb is the perfect way to reduce energy consumption on your boat with a current draw of only about 0.1A. Its incredible reliability means an end to frequent climbs up the mast to replace navigation light bulbs.

PN: 8001849   Features

- Replaces 9mm miniature bayonet bulbs.
- Replaces aqua signal series 20 nav bulbs and aqua signal series 25 deck light bulb.
- * High-Power LED   *2 NM visibility   *12 VDC   *Warm White
- Zero radio frequency (RF) emission, surface-mount-device design.
- Conformal coated & use of long life components: e.g. ceramic capacitor (not low hour electrolytic capacitor).
- Internal circuitry provides constant current draw regardless of voltage fluctuations from the source (10 to 18 VDC),
  meaning no flickering and longer LED life.
- Long service life, shockproof, and ultra-rugged with no filament to burn out or break.
- Very low power consumption (approximately 1 W).
- Lead and mercury free, no UV output.
- Designed in the USA.

Part #	8001849
Description	2 NM 9mm miniature bayonet LED bulb
LED Color	Warm White
Replacements	aqua signal series 20 nav light bulbs and aqua signal series 25 deck light bulb
Voltage	12 VDC
Current Draw	0.1 A
Lumen Output	60 Lumens (10W eqv.)
Dimensions	~28mm (1.1") length 12mm (0.47") width

aqua signal series 25
deck light

Replaces bulb trade # 53, 57, 181, 1416, & 1816.

Replaces Ancor bulb # 520053, 520057, 521126, 521416, 529337, & 529355.

Navigation Light LED Replacement Bulb: **P338 Wedge Star**™

Perko Bulb Fig. 338 LED replacement for popular Perko pole lights　　　　**PN : 9000371**

The P338 Wedge Star NAV LED Bulb:

This LED bulb is specially designed as direct replacement for most of the incandescent navigation anchor/steaming lights available on the market such as those from Perko and other manufacturers.

This high-quality bulb is the perfect way to reduce energy consumption on your boat with a current draw of only about 0.06 A. This is especially well suited for many wedge based nav lights.

LED Replacement for Perko Bulb Fig. 338

Works on Perko Series 0238, 0239, 1236, 1273, 1274, 1281, 1283, 1284, 1440, 1445, 1450, 1451, 1452, 1455, 1456, 1460, 1461, 1465, 1470, 1604, 1607, 1622, 1634, 1637, 1656, etc.

Features
• Wedge base configuration
• Perko Bulb Fig. 338 replacement (a one-to-one replacement)
• For 2NM white nav lights
• * SMD LED　　*2 NM visibility　　12 VDC
• Zero radio frequency (RF) emission
• Conformal coated & use of long life components: e.g. ceramic capacitor (not low hour electrolytic capacitor).
• Internal circuitry provides for constant energy consumption, regardless of voltage fluctuations from the source (10 to 15 VDC), meaning no flickering and longer LED life
• Long service life, shockproof, ultra-rugged with no filament to burn out or break
• Very low power consumption (approximately 0.72 W)

Part #	9000371
Description	For 2NM Anchor / Steaming Light
Replacement	Perko Bulb Fig. 338
Bulb Type	Wedge Base
Voltage: Lumen Output:	12 VDC 60 Lumens (10W eqv.)
Current	0.06 A

Navigation Light LED Replacement Bulb: 31mm Festoon Star™   PN: 9000173

12 VDC 2NM nav light festoon LED replacement bulb for combination masthead & anchor lights.
Replaces Perko Bulb Fig. 71 & Ancor # 529102

Short Festoon LED Bulb:

Finally, a true one-to-one LED replacement bulb for incandescent navigation lights with small festoon bulbs. This short festoon LED bulb is specially designed as a direct replacement for many combination masthead & anchor lights. It works in many Perko lights such as series 1123, 1124, 1125, 1178, 1181, 1183, 1184, 1196, 1197, etc. This high-quality high-power LED bulb is the perfect way to reduce energy consumption on your boat with a current draw of less than 0.1A. Its incredible reliability means an end to frequent climbs up the mast to replace navigation light bulbs.

Features

- Replaces pointed festoon bulbs.
- Replaces Perko bulb # 0071DP0CLR (Perko bulb fig. 71) and Ancor bulb #529102.
- * High-Power LED   *2 NM visibility   *12 VDC   *Warm White
- Zero radio frequency (RF) emission, surface-mount-device design.
- Conformal coated & use of long life components: e.g. ceramic capacitor (not low hour electrolytic capacitor).
- Internal circuitry provides constant current draw regardless of voltage fluctuations from the source (10 to 18 VDC), meaning no flickering and longer LED life.
- Long service life, shockproof, and ultra-rugged with no filament to burn out or break.
- Very low power consumption (approximately 1 W).
- Lead and mercury free, no UV output.
- Designed in the USA.

Part #	9000173
Description	2 NM 31mm festoon LED bulb
LED Color	Warm White
Replacements	Perko Bulb Fig. 71 (0071DP0CLR) & Ancor # 529102
Voltage	12 VDC
Current Draw	0.1 A
Lumen Output	60 Lumens (10W eqv.)
Dimensions	~31mm (1.2") long 12mm (0.5") dia.

Selection Guide:

Brand	Series	Mfg. Bulb No.	
Hella	2010	78202 8GM 993 406-001	
Perko	0135, 0227, 0228, 0229, 0232, 0252, 0253, 0254, 0260, 0273, 0277, 0281, 0295, 0904, 0915, 0945, 0955, 0963, 0964, 0965, 0972, 1123, 1124, 1125, 1161, 1178, 1181, 1183, 1184, 1196, 1197, 1201, 1211, 1212, 1218, 1264, 1310, 1331, 1332, 1421, 1422, 1601, 1602, 1612, 1614	Fig. 71 0071DP0CLR 0071DP8CLR	
Attwood	7200 series: 7208, 7212, 7220, 7250, 7251, 7252, 7254, 7255, etc.		

Note:
This LED bulb is polarized. Just rotate it 180 degrees (upside down) to reverse contacts' polarity if it does not light up.
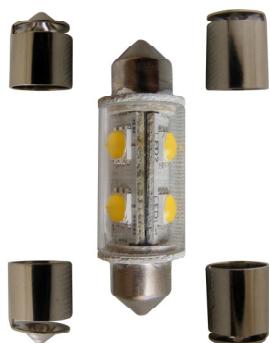
Navigation Light LED Replacement Bulbs: 39-44mm Festoon Star™

12 VDC 39-44mm Festoon Star™   PN: 9000241   Replaces Perko Bulbs Fig. 69 & 70
24 VDC 39-44mm Festoon Star™   PN: 9000357   Replaces Perko Bulb Fig. 67 and Ancor # 522129

Festoon LED Bulbs:

Finally, true one-to-one LED replacement bulbs for incandescent navigation and interior lights with festoon bulbs. These festoon LED bulbs are specially designed as direct replacements for many navigation as well as interior lights. They works in many Perko lights such as series 0120, 0170, 106, 108, 109, 110, 111, 259, etc. They also work on aqua signal series 25, Forespar ML-2, as well as Hella series 3562 * 8505. These high-quality high-power LED bulbs are the perfect way to reduce energy consumption on your boat with a current draw of only about 0.1A. Their incredible reliability means an end to frequent climbs up the mast to replace navigation light bulbs.

Features

- Replaces 39mm to 44mm pointed and dimpled festoon bulbs.
- 12 VDC Replaces Perko bulbs # 0069DP0CLR (Perko bulb fig. 69) and #0070DPxCLR (Perko bulb fig. 70).
- 24 VDC Replaces Perko bulbs # 0067DPxCLR (Perko bulb fig. 67) and Ancor #522129.
- * High-Power LED   *2 NM visibility   *12 VDC or 24 VDC   *Warm White
- Zero radio frequency (RF) emission, surface-mount-device design.
- Conformal coated & use of long life components, e.g. ceramic capacitor (not low hour electrolytic capacitor).
- Internal circuitry provides constant current draw regardless of voltage fluctuations from the source, meaning no flickering and longer LED life.
- Long service life, shockproof, and ultra-rugged with no filament to burn out or break.
- Very low power consumption (approximately 1.5 W).
- Designed in the USA.

Part #	9000241 12 VDC	9000357 24 VDC
Description	2 NM 39-44mm festoon LED bulb	2 NM 39-44mm festoon LED bulb
LED Color	Warm White	Warm White
Perko Replacements	Perko Bulbs Fig. 69 & 70	Perko Bulb Fig. 67
Ancor Replacements	#529095, 529104, 522126, 522131, 522112, 522122, 529333, etc.	Ancor #522129
Trade Replacements	#211-2, 212-2, 560, 569, 578, etc.	
Voltage (W)	12 VDC (~1.5W)	24 VDC (~1.5W)
Current Draw	0.12A	0.06A
Lumen Output	90 Lumens	90 Lumens
Dimensions	39mm (1.5") long 15mm (0.6") dia.	39mm (1.5") long 15mm (0.6") dia.

12 VDC Selection Guides:

Brand	Series	Mfg. Bulb No.	
Aqua Signal	25	90200 90201	
Forespar	ML-2	WN-211 132025	
Hella	3562, 8505	78206 8GM002091-131	
Perko	0120, 0170	Fig. 69 0069DP0CLR	
	106, 108, 109, 110, 111, 259, 939, 946, 4F, 5F, 7F	Fig. 70 0070DP1CLR 0070DP2CLR	

24 VDC Selection Guide:

Brand	Series	Mfg. Bulb No.	
Perko	0120, 0170	Fig. 67 0067DP1CLR 0067DP2CLR	

Note: These LEDs bulb are polarized. Just rotate them 180 degrees (upside down) to reverse contacts' polarity if they do not light up.

Navigation Light LED Replacement Bulbs: Festoon Star™

2NM nav. light festoon LED replacement bulbs

For aqua signal series 25 side lights

Green Festoon Star™   **Red** Festoon Star™

Festoon Nav Bulb
High-Flux LED
2nm Replacements

Dr.LED™

39mm Pointed Unit

44mm
Pointed
Caps

44mm
Dimpled
Caps

Green PN: 8001580   White PN: 8001566   Red PN: 8001573

White Festoon Star (PN:8001566) has been replaced by
39-44mm Festoon Star™ PN:9000241 (12 VDC) and
39-44mm Festoon Star™ PN:9000357 (24 VDC).

The Festoon Star LED Bulbs:

These LED bulbs are specially designed as direct replacements for most festoon incandescent navigation light bulbs, available on the market such as those from Aqua Signal®, Hella® (3562 series), Lalizas®, Perko®, and several other manufacturers. These high-quality high-power LED bulbs are the perfect way to reduce energy consumption on your boat with a current draw of only about 0.1A. They are especially well-suited for mast mounted lights, as their incredible reliability will mean an end to frequent climbs up the mast to replace nav light bulbs.

Features

- Replaces 39 mm to 44 mm long pointed festoon bulbs
- 44 mm dimpled festoon bulbs (single color aqua signal series 25 nav lights)
- White, red, or green
- * High-Power LED   *2 NM visibility   *12 VDC
- Internal circuitry provides for constant energy consumption, regardless of voltage fluctuations from the source (10 to 30 VDC), meaning no flickering and longer LED life
- Long service life, shockproof, ultra-rugged with no filament to burn out or break
- Very low power consumption (approximately 1 W)
- Lead and mercury free, no UV output

Part #	8001573	8001580
Description	2 NM Festoon	2 NM Festoon
LED Color	Red	Green
Voltage	12 VDC	12 VDC
Dimension	32mm (1.26") dia.	32mm (1.26") dia.

Notes:
These are polarized bulbs; just rotate the bulb 180 degrees to reverse polarity.

White Festoon Star (PN: 8001566) has been replaced by 39-44mm Festoon Star™ PN: 9000241 (12 VDC) and 39-44mm Festoon Star™ PN: 9000357 (24 VDC).

100-240VAC 70W Halogen PAR Bulb LED Replacement: Elite PAR30-7D

Dimmable with #1 U.S. Brand CREE LEDs Inside   **PN: 9000197**

Dr. LED's Elite PAR30-7D High-Power Spotlight:

The PAR30-7D, a universal line voltage medium screw base LED PAR bulb, is especially designed as a direct replacement for most 50W - 90W PAR halogen bulbs. The use of high-quality US-made high-power LEDs is the perfect way to reduce energy consumption. It has a standard medium screw base and works just like your regular PAR bulbs.

Model: Elite PAR30-7D PN: 9000197
Description: PAR30 warm white, 3000K, 80+ CRI, 30-degree beam angle.

Features

- PAR30 narrow beam, only 12W, replaces most 70W halogen PAR bulbs.
- Universal line voltage: 100-240 VAC, dimmable.
- Medium screw base (E26 / E27).
- 700 lumens, warm white, 80+ CRI at ~3000° K, 30° beam.
- Long service life, shockproof, ultra-rugged with no filament to burn out or break.
- Very low power consumption (approximately 12 W).
- No toxic lead and mercury free, no UV output (RoHS Compliant).
- US made LEDs, designed to last up to 50,000+ hours.
- Designed in the USA.

Specifications:

Form Factor: PAR30 Narrow
Base: Medium Screw Base E26 / E27
Voltage: 100-240 VAC 50-60Hz
Wattage: ~12W (typical)
Lumens: ~700 (typical)
Color Temperature: warm white, ~3000 ° K (typical)
Main Beam Angle: 30 °
Color Rendering Index (CRI): 80+
Ambient operating temperature: -10 ° C to +40 ° C
Ambient operating humidity: 20%-80% non-condensing
Dimensions: 95mm (3.75) dia., 99mm (3.9") long, 73mm (2.9") long excluding the E26 base
Weight: 262gm (9.2oz.)

100-240VAC 60W Replacement LED Bulb: Elite LB60 A19   PN: 9000180

Universal voltage 60W equivalent incandescent replacement LED

Elite LB60 A19:

This universal line voltage medium screw base LED bulb is specially designed as a direct replacement for most 40W to 60W incandescent bulbs. It is a high-quality, high-power LED bulb that is the perfect way to reduce energy consumption in your home with energy consumption of only about 7.5W. It comes with a standard medium screw base and works just like your regular bulbs.

Model: Elite LB60 A19, Part No.: 9000180
Description: A19 warm white, 3000K,
80+ CRI, 180 degree beam.

Features

- Replaces most 60W incandescent bulbs.
- Universal line voltage: 100-240 VAC.
- Medium screw base (E26/E27).
- Long service life, shockproof, ultra-rugged with no filament to burn out or break.
- Very low power consumption (approximately 7.5 W).
- No toxic lead and mercury free, no UV output (RoHS Compliant).
- Designed in the USA.
- NOT DIMMABLE. This bulb does not work with electronic dimmers.

Specifications:

Form Factor: LB60 A19
Base: Medium Screw Base E26/E27
Voltage: 100-240 VAC 50-60Hz
Wattage: ~7.5W (typical)
Lumens: ~320 (typical)
Color Temperature: warm white ~3000 ° K (typical)
Main Beam Angle: 180 °
Color Rendering Index (CRI): 80+
Ambient operating temperature: -10 ° C to +40 ° C
Ambient operating humidity: 20%-80% non-condensing
Dimensions: 60mm (2.375) dia.
Weight: 152g. (5.4 oz.)

Part No.	UPC / EAN13	Model	MSRP US$
LED Chart Light			
9000029	4891124970029	Black Cobra Bi-Color Chart Light	$ 99.99
LED Dome Lights			
8001177	894638001177	5 1/2" Mars Dome (Chrome)	$ 63.99
8001184	894638001184	5 1/2" White/Red Mars Dome (Chrome)	$ 67.99
8001528	894638001528	6 3/4" Mars Dome (Chrome)	$ 74.39
8001504	894638001504	6 3/4" White/Red Mars Dome (Chrome)	$ 78.39
Under Counter LED Lights			
8001696	894638001696	John Under-Cabinet LED Light, Warm White	$ 69.99
8001719	894638001719	John Under-Cabinet LED Light, Red/White	$ 69.99
Recessed LED Lights			
8001641	894638001641	Spot Saturn Ring MKII	$ 69.99
8001658	894638001658	Flood Saturn Ring MKII	$ 69.99
8001788	894638001788	Red/White Saturn Ring MKII	$ 69.99
8001160	894638001160	Brass Saturn Ring	$ 9.99
Exterior Spot and Flood LED Lights			
8001344	894638001344	Kevin: LED Spreader / Deck Light	$ 169.99
9000470	4891124970470	Kevin Jr. 2 LED Spreader / Deck Light	$ 109.99
9000319	4891124970319	Kevin X Horizontal Rail Mount	$ 9.99
9000326	4891124970319	Kevin X Vertical Rail Mount	$ 9.99
9000500	4891124970500	The Gold Standard LED Light	$ 109.99
9000296	4891124970296	Big John 120/240V 40W LED Flood Light	$ 499.99
12V LED Replacement Bulbs for Reading / Recessed / Dome Lights			
9000081	4891124970081	G4 MR11 SMD LED Disk	$ 19.99
9000340	4891124970340	24V G4 SMD LED Disk	$ 21.99
9000364	4891124970364	12V Blue G4 MR11 SMD LED Disk	$ 17.99
9000418	4891124970418	24V Blue G4 MR11 SMD LED Disk	$ 21.99
9000098	4891124970098	Red G4 MR11 SMD LED Disk	$ 15.99
9000104	4891124970104	G4 MR11 Tower SMD LED	$ 28.99
9000111	4891124970111	Single Contact Bayonet Warm White SMD LED	$ 28.99
9000128	4891124970128	Double Contact Bayonet SMD LED	$ 28.99
9000135	4891124970135	Red Double Contact Bayonet SMD LED	$ 28.99
9000142	4891124970142	Double Contact Bayonet Indexed SMD LED	$ 28.99
9000159	4891124970159	12V Dome Light SMD LED Kit	$ 23.99
9000333	4891124970333	12V R/W Dome Light SMD LED Kit	$ 25.99
9000395	4891124970395	24V Dome Light SMD LED Kit	$ 26.99
9000401	4891124970401	24V R/W Dome Light SMD LED Kit	$ 28.99
8001610	894638001610	Mars LED Conversion Light Disk kit	$ 29.99
8001559	894638001559	Single Sided T5 Wedge	$ 9.99
12V Reading Light Replacement LED Bulbs			
8001238	894638001238	G4 MR11 Magnum LED MKII	$ 28.99
9000432	4891124970432	Mini G4 Star	$ 24.99
8001245	894638001245	Bayonet 1C Magnum LED MKII	$ 28.99
9000449	4891124970449	1383 Single Contact LED Star	$ 24.99
8001252	894638001252	Bayonet 2C I Magnum LED MKII	$ 28.99
8001269	894638001269	Bayonet 2C NI Magnum LED MKII	$ 28.99
8001290	894638001290	MR16 1W Magnum LED MKII	$ 29.99
8001399	894638001399	MR16 3W Magnum LED MKII	$ 39.99

Part No.	UPC / EAN13	Model	MSRP US$
12V General Purpose Replacement Screw Base LED Bulbs			
8001276	894638001276	12V 1W Edison LED MKII	$ 29.99
8001801	894638001801	12/24V Edison 3X LED (replaces 8001283)	$ 39.99
8001818	894638001818	12/24V Edison 3X SideKick (replaces 8001351)	$ 43.99
120V/240V Universal Line Voltage General Purpose Replacement Bulbs			
9000197	4891124970197	Elite PAR30-7D	$ 49.99
9000180	4891124970180	Elite LB60 A19	$ 29.99
9000302	4891124970302	Elite GU10 3X LED	$ 29.99
Handheld LED Search Light			
8001030	894638001030	LED Star Phaser	$ 109.99
Specialty LED Accessories and Lights			
9000166	4891124970166	Windex Star	$ 9.99
8001306	894638001306	Bean Shape LED Key Chain	$ 3.99
Navigation Light LED Replacement Bulbs			
8001757	894638001757	White Polar Star 40 MKII (replaces 8001047)	$ 49.99
8001764	894638001764	Red Polar Star 40 MKII (replaces 8001054)	$ 49.99
8001771	894638001771	Green Polar Star 40 MKII (replaces 8001061)	$ 49.99
8000043	4891124970043	Amber/ Yellow Polar Star 40 MKII, Towing	$ 59.99
8001085	894638001085	Bi-Color Polar Star 40	$ 49.99
8001092	894638001092	Bi-Color Polar Star 41	$ 49.99
8001450	894638001450	Tri-Color Polar Star 40 MKII	$ 59.99
8001436	894638001436	24V Tri-Color Polar Star 40	$ 59.99
8001078	894638001078	White Polar Star 40 NI	$ 49.99
8001382	894638001382	Red Polar Star 40 NI	$ 49.99
8001405	894638001405	Green Polar Star 40 NI	$ 49.99
8001122	894638001122	Bi-Color Polar Star 25	$ 49.99
8001849	894638001849	Polar Star 20	$ 24.99
9000173	4891124970173	31mm White Festoon Star	$ 28.99
9000241	4891124970241	39-44mm White Festoon Star (replaces 8001566)	$ 39.99
9000357	4891124970357	24V 39-44mm White Festoon Star (replaces 8001566)	$ 39.99
8001573	894638001573	Red Festoon Star	$ 49.99
8001580	894638001580	Green Festoon Star	$ 49.99
9000425	4891124970425	Hex GE90 Star	$ 28.99
8000067	4891124970067	H2492 Star	$ 49.99
9000371	4891124970371	P338 Wedge Star	$ 17.99
Underwater Lights			
8001689	894638001689	Neptune Green Underwater LED Light	$ 747.99
9000487	4891124970487	Neptune X6 White Underwater LED Light	$ 899.99
9000494	4891124970494	Neptune X6 Blue Underwater LED Light	$ 899.99
9000203	4891124970203	Dave X3 White Underwater Puck Light	$ 134.99
9000210	4891124970210	Dave X3 Blue Underwater Puck Light	$ 134.99