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### Why Lunasea Replacement Bulbs?

- Best selection of any brand.
- Tested for low RFI interference, no noise on radios
- Most 10 -30 VDC, not effected by voltage prematurely
- Supported 3 year warranties
- Bulk packaging available

### Single-Sided 4 LED Festoon

#### High Powered 120 Degree Viewing Angle

This High Power 4-LED Festoon bulb has a built in Buck Regulator making it the most robust light on the market today.

- Available in 31mm (1.2 inch long)
- Wide 120 Degree Viewing Angle
- 72 lumen, 0.7 Watt
- Up to 50,000 Hours
- 10 - 30V DC



Lighting Color Options:

- Cool White
- Warm White
- Red
- Green

Part Numbers:

- 31mm Series**  
 LLB-202C-21-00 (Cool White, 4 LED, 0.7 Watt, 72 Lumen)  
 LLB-202W-21-00 (Warm White, 4 LED, 0.7 Watt, 60 Lumen)  
 LLB-202R-21-00 (Red, 4 LED, 0.7 Watt)  
 LLB-202G-21-00 (Green, 4 LED, 0.7 Watt)

### Single-Sided 6 LED Festoon

#### Low Cost 120 Degree Viewing Angle

This High Power 6-LED Festoon bulb has a built in Buck Regulator making it the most robust light on the market today. Available in multiple lighting colors with red being a great choice for navigation stations or general nighttime boating.

- Available in 37mm (1.46 in) and 42mm (1.65 in)
- Wide 120 Degree Viewing Angle
- Super Bright
- Up to 50,000 Hours
- 10 - 30V DC
- Equivalent to 10 Watt incandescent



Lighting Color Options:

- Cool White
- Warm White
- Red

Part Numbers:

- 37mm Series**  
 LLB-196C-21-00 (Cool White, 6 LED, 1.5 Watt, 107 Lumen)  
 LLB-196W-21-00 (Warm White, 6 LED, 1.5 Watt, 97 Lumen)  
 LLB-196R-21-00 (Red, 6 LED, 1.2 Watt, 35 Lumen)
- 42mm Series**  
 LLB-186C-21-00 (Cool White, 6 LED, 1.5 Watt, 107 Lumen)  
 LLB-186W-21-00 (Warm White, 6 LED, 1.5 Watt, 97 Lumen)  
 LLB-186R-21-00 (Red, 6 LED, 1.2 Watt, 35 Lumen)

## Four-Sided 12 LED Festoon

### Compact Complete 360 Degree Spread

This High Power 360 degree Festoon bulb has a built in Buck Regulator and 360 degree light output in all directions. Available in multiple colors with red being a great choice for navigation stations or general nighttime boating.

- Available in 37mm (1.46") and 42mm (1.65")
- Complete 360 Degree Viewing Angle
- Super Bright
- Up to 50,000 Hours
- 10 - 30V DC
- Equivalent to 10 Watt incandescent



#### Lighting Color Options:

- Cool White
- Warm White
- Red

#### Part Numbers:

- 37mm**  
 LLB-19LC-21-00 (Cool White, 12 LED, 1 Watt, 84 Lumen)  
 LLB-19LW-21-00 (Warm White, 12 LED, 1 Watt, 60 Lumen)  
 LLB-19LR-21-00 (Red, 12 LED, 0.7 Watt)

- 42mm**  
 LLB-18LC-21-00 (Cool White, 12 LED, 1 Watt, 84 Lumen)  
 LLB-18LW-21-00 (Warm White, 12 LED, 1 Watt, 60 Lumen)  
 LLB-18LR-21-00 (Red, 12 LED, 0.7 Watt)

## Three-Sided 9 LED Festoon

### High Powered 270 Degree Spread

This High Power 9-LED Festoon bulb have a built in Buck Regulator and has a wider light output angle. Available in multiple colors, great for adding more light in a larger area.

- Available in 42mm (1.65 in) / 43mm
- Wide 270 Degree Viewing Angle
- Super Bright
- Up to 50,000 Hours
- 10 - 30V DC
- Equivalent to 15 Watt incandescent



#### Lighting Color Options:

- Cool White
- Warm White
- Red
- Green
- Red/Green

#### Part Numbers:

- 42mm**  
 LLB-189C-21-00 (Cool White, 9 LED, 2 Watt, 160 Lumen)  
 LLB-189W-21-00 (Warm White, 9 LED, 2 Watt, 141 Lumen)  
 LLB-189R-21-00 (Red, 9 LED, 1.4 Watt)  
 LLB-189G-21-00 (Green, 9 LED, 1.4 Watt)  
 LLB-189B-21-00 (Bi-Color, 9 LED, 1.4 Watt)

- Series 25 - 43 mm**  
 LLB-319C-71-00 (Cool White, 9 LED, 2 Watt, 160 Lumen)  
 LLB-319W-71-00 (Warm White, 9 LED, 2 Watt, 141 Lumen)  
 LLB-319B-71-00 (Bi-Color, 9 LED, 1.4 Watt)

## Five-Sided 30 LED Festoon Series 25

### High Powered Complete 360 Degree Spread

This High Power 360 degree Festoon bulb has a built in Regulator and 360 degree light output in all directions. Available in multiple colors.

- Complete 360 Degree Viewing Angle
- Super Bright
- Up to 50,000 Hours
- 10 - 30V DC
- Equivalent to 25 Watt incandescent



#### Lighting Color Options:

- Cool White
- Warm White
- Red
- Green

#### Part Numbers:

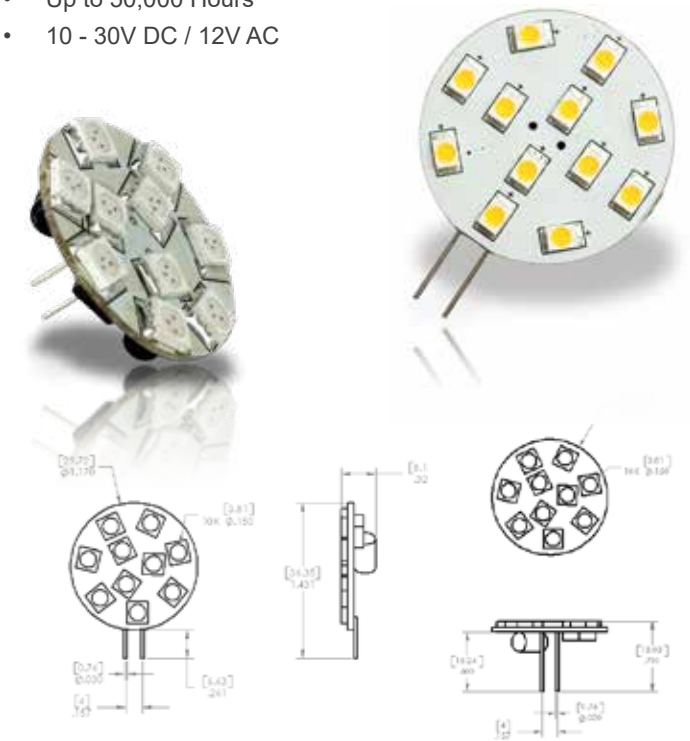
- Series 25 - 43mm**  
 LLB-31HC-71-00 (Cool White, 30 LED, 3.25 Watt, 210 Lumen)  
 LLB-31HW-71-00 (Warm White, 30 LED, 3.25 Watt, 150 Lumen)  
 LLB-31HR-71-00 (Red, 30 LED, 2 Watt)  
 LLB-31HG-71-00 (Green, 30 LED, 2 Watt)

## G4 Large Disc 1.2" (30mm)

### High Output - Directional Light

G4 utilizes High Power LEDs for more than enough light to read and work by. As with all our replacement bulbs the G4 includes a built in Regulator making it the most robust on the market today and produces little heat.

- Side or back pin options.
- Larger size brings larger light
- No Fire Hazard like that of Halogens
- Up to 50,000 Hours
- 10 - 30V DC / 12V AC



#### Lighting Color Options:

- Cool White
- Warm White
- Red

#### Part Numbers:

- Side Pin**  
 LLB-21TC-21-00 (Cool White, 2.0 Watt, 190 Lumen)  
 LLB-21TW-21-00 (Warm White, 2.0 Watt, 170 Lumen)  
 LLB-21TR-71-00 (Red, 1.54 Watt)

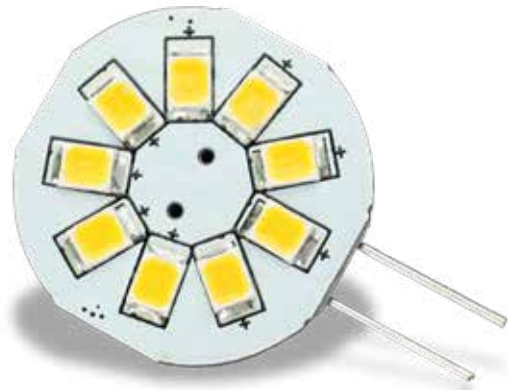
- Back Pin**  
 LLB-21UC-21-00 (Cool White, 2.0 Watt, 190 Lumen)  
 LLB-21UW-21-00 (Warm White, 2.0 Watt, 170 Lumen)  
 LLB-21UR-71-00 (Red, 1.54 Watt)

## G4 Compact Disc 0.9" (23mm)

### Smaller Size - Reduced Consumption

G4 utilizes High Power LEDs for more than enough light to read and work by. As with all our replacement bulbs the G4 includes a built in Regulator making it the most robust on the market today and produces little heat.

- Convenient small size
- No Fire Hazard like that of Halogens
- Up to 50,000 Hours
- 10 - 30V DC / 12V AC



#### Lighting Color Options:

- Cool White
- Warm White

#### Part Numbers:

##### Side Pin

LLB-216C-21-00 (Cool White, 1.2 Watt, 130 Lumen)  
LLB-216W-21-00 (Warm White, 1.2 Watt, 120 Lumen)

##### Back Pin

LLB-21BC-21-00 (Cool White, 1.2 Watt, 130 Lumen)  
LLB-21BW-21-00 (Warm White, 1.2 Watt, 120 Lumen)

## G4 LED Light

### Economical - Low Draw

G4 Bottom Pin utilizes High Power LEDs for more than enough light to read and work by. As with all our replacement bulbs the G4 includes a built in Regulator making it the most robust on the market today and produces little heat.

- Wide variety of sizes and colors
- No Fire Hazard like that of Halogens
- Up to 50,000 Hours
- 10 - 30VDC



#### Lighting Color Options:

- Cool White
- Warm White

#### Part Numbers:

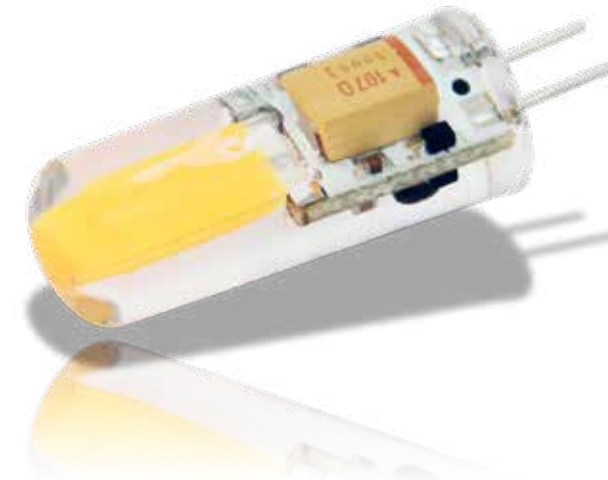
LLB-21EC-21-00 (Cool White, 3.5 Watt, 288 Lumen)  
LLB-21EW-21-00 (Warm White, 3.5 Watt, 255 Lumen)

## New Updated 360 Degree G-4 COB LED

### More robust circuitry for 12/24 volt

The newest generation Lunasea LED G4 Light produces light with a 360 degree spread instead of being the traditional directional beam. At over 200 Lumen output this light replaces a 25-30W Halogen. Soft halogen like 2700K Warm White or Cooler 4000K white, this bulb will meet the requirement. Encapsulated to protect from the elements.

- New COB LED Technology
- Water Tight
- 12V/24VDC
- Only 1.5W
- Direct Replacement for Halogen Bulb



#### Lighting Color Options:

- Natural White
- Warm White

#### Part Numbers:

LLB-21KC-61-10 (Cool White, 1.5 Watt, 210 Lumen)  
LLB-21KW-61-10 (Warm White, 1.5 Watt, 200 Lumen)

## NEW Low Profile BA15 COB

### COB BA15, 360 DEGREE

The newest generation Lunasea LED Low Profile BA15 Light produces light with a 360 degree spread. At over 200 Lumen output this light replaces a 20-W incandescent. Soft 2700K Warm White or Cooler 4000K white, this bulb will meet the requirement.

Encapsulated to protect from the elements.

- Only 33mm tall
- Water tight
- 10-30VDC
- Only 1.5 watt



#### Lighting Color Options:

- Cool White
- Warm White

#### Part Numbers:

##### BA15D

LLB-26LC-61-00 (Cool White, 1.5 watt, 210 Lumen)  
LLB-26LW-61-00 (Warm White, 1.5 watt, 200 Lumen)

## Silicone Encapsulated LED

### Super Bright - Low Energy

Water tight Silicon Encapsulated BA15 LED. Large on light with 220 Lumen output but soft on the eyes and measures only 17 x 45mm of space. 10-30VDC Equal to a 20W incandescent.

- Water tight Silicon Encapsulated BA15 LED.
- Large on light with 220 Lumen output but soft on the eyes and measures only 17 x 45mm of space.
- 10-30VDC
- Equal to a 20W incandescent.
- Multiple LEDs provide consistent output



#### Lighting Color Options:

- Cool White
- Warm White

#### Part Numbers:

**BA15S**  
 LLB-22KC-21-00 (Cool White - 4000K, 2.5 Watt, 220 Lumen)  
 LLB-22KW-21-00 (Warm White - 2700K, 2.5 Watt, 190 Lumen)

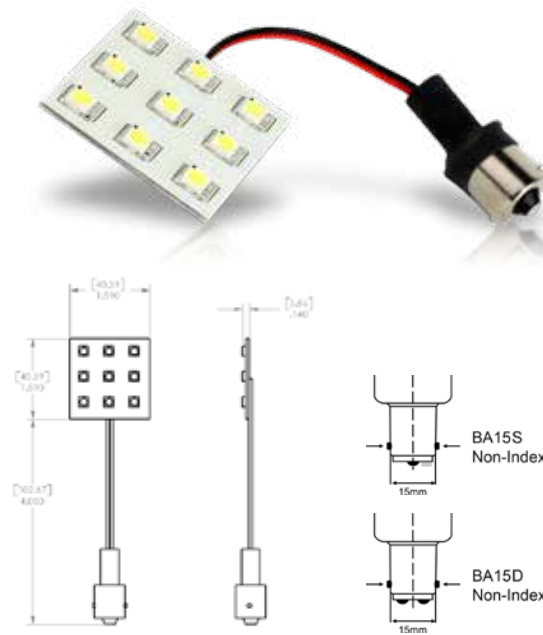
**BA15D**  
 LLB-26KC-21-00 (Cool White - 4000K, 2.5 Watt, 220 Lumen)  
 LLB-26KW-21-00 (Warm White - 2700K, 2.5 Watt, 190 Lumen)

## Bayonet 9 LED Light

### Light Where You Want It

The Bayonet Series High Power LEDs include built in Regulator and can be easily double side taped into place.

- Low energy compared to incandescents
- Super Bright
- Up to 50,000 Hours
- 10 - 30V DC / 12V AC
- Economical high output directional replacement



#### Lighting Color Options:

- Cool White
- Warm White
- Red

#### Part Numbers:

**BA15S**  
 LLB-229C-21-00 (Cool White, 9 LED, 2 Watt, 169 Lumen)  
 LLB-229R-21-00 (Red, 9 LED, 2 Watt)  
 LLB-229W-21-00 (Warm White, 9 LED, 2 Watt, 149 Lumen)

**BA15D**  
 LLB-269C-21-00 (Cool White, 9 LED, 2 Watt, 169 Lumen)  
 LLB-269R-21-00 (Warm White, 9 LED, 2 Watt)  
 LLB-269W-21-00 (Warm White, 9 LED, 2 Watt, 149 Lumen)

## Bayonet LED Bulb

### Super Bright - Low Energy

Looks and feels like a traditional incandescent bulb but uses only a fraction of the power. The Bayonet Series High Power LEDs all include built in Regulator.

- General purpose
- 360°, Low energy
- Up to 50,000 Hours
- 10 - 30VDC
- Equivalent to 15 Watt Halogen



#### Lighting Color Options:

- Cool White
- Warm White

#### Part Numbers:

**BA15S**  
 LLB-22FC-21-00 (Cool White, 1 Watt, 105 Lumen)  
 LLB-22FW-21-00 (Warm White, 1 Watt, 75 Lumen)

**BA15D**  
 LLB-26FC-21-00 (Cool White, 1 Watt, 105 Lumen)  
 LLB-26FW-21-00 (Warm White, 1 Watt, 75 Lumen)

## Elegant Edison Style LED

### Beautiful Warm White Light

Inspired by Thomas Edison's original carbon design, this LED bulb by Lunasea creates an iconic glow while saving you in energy. This antique style bulb has a warm white hue that creates a vibrant glow reminiscent of early 20th-century lighting. Truly enjoy its unique look and distinctive color.

- 60-Watt Equivalent
- 12VDC, 7 Watt
- Soft Warm White 2600K
- E26 Base



#### Lighting Color Options:

- Warm White

#### Part Numbers:

LLB-48FW-82-00 (Warm White, 800 Lumen)

## LED Navigation Light Bulbs

### More Intensity With Less Power, Certified USCG COLREG 72 & ABYC-A16

Lunasea's navigation lights are Waterproof and are for 2 Nautical Miles!

Lunasea's newest, brightest and smallest Navigation replacement bulb designed using the most advanced LED's available! Produces more intensity, drawing less power and a wider voltage input. EMI and surge protected. Now you can have the best and feel secure your boat is properly protected.

- Encapsulated to protect from the elements
- Smaller Design with Excellent Viewing Angles
- More Intensity with Superior Lumens
- 10 - 30V DC
- 2.5 Watts

USCG Approved



#### Lighting Color Options:



#### Part Numbers:

**BA15D - Single Color**  
LLB-28NW-24-SD (White, USCG Approved)

**BAY15D - Single Color**  
LLB-28NW-24-SY (White, USCG Approved)

## MR11 / MR16 LED Lights

### Super Bright - Low Energy

Time to lose those heat producing energy hungry MR11's / MR16's and replace them with cool running low energy LED's.

- General purpose and reading lamp
- Super Bright
- Up to 50,000 Hours
- MR11 - 10V-30V DC, 2.2 W
- MR16 - 12V DC/AC, 5 W



#### Lighting Color Options:



#### Part Numbers:

**MR11**  
LLB-11TD-61-00 (Cool White, 160 Lumen, 2.2 Watt)  
LLB-11TW-61-00 (Warm White, 140 Lumen, 2.2 Watt)

**MR16 - 30 Degree Viewing**  
LLB-16NW-61-00 (Warm White, 3 LED, 290 Lumen)  
LLB-16ND-61-00 (Cool White, 3 LED, 340 Lumen)

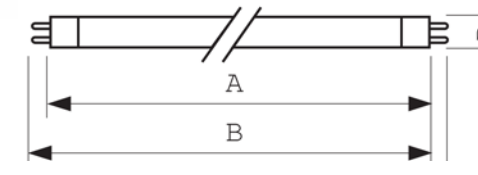
**MR16 - 80 Degree Viewing - Dimmable - 50\*52mm**  
LLB-16CW-01-00 (Warm White, 2700K, 80CRI, COB, 450 Lumen)

## Fluorescent Tube Replacement

### UPGRADE YOUR FLUORESCENT FIXTURE TO LED

No need to light output to upgrade your original. Simply remove the old bulb and insert the new LED tube replacement. Wires directly to the 12V or 24V wiring. End caps carry no electrical power but offer simple mounting. Producing 504 lumens of light, this light can really pack a punch.

- Replaces 12"
- No ballast needed, wires straight to input power
- No ballast means no electrical noise into other equipment
- 30% brighter (504 lumens) with only 4 watts of power
- Same 4000K color as old tubes



A	B	C	D	
288	295	302	6	mm
11.3	11.6	11.9	0.6	inch

#### Lighting Color Options:



#### Part Numbers:

LLB-05WD-81-00 (504 Lumen)

## T10 LED Wedge Light

### Bright - Low Energy

T10 Miniature Wedge Base Bulb with 6 or 15 High Power LEDs.

- Super Bright
- Up to 50,000 Hours
- 10-16V AC/DC



#### Lighting Color Options:



#### Part Numbers:

LLB-235C-21-00 (Cool White, .73 Watt, 82 Lumen)  
LLB-235W-21-00 (Warm White, .73 Watt, 69 Lumen)

## Ultra Bright Portable Light Bar

**Runs up to 5 Hours on Single Charge. 4A LI Rechargeable Battery**

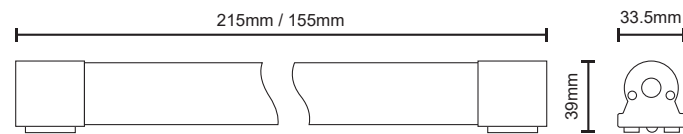
The ultimate portable light that continues to produce bright useful light for up to 5 hours on a single charge. Includes USB 12VDC charger and cable. Can be mounted using multiple methods or simply set down where you require light. Utilizes 4 amp Lithium Ion Battery providing long service.

Charged light can be used to power other USB devices such as cell phones. Simply plug the cable from the light into your device.

- Built-in 4AH Li-Ion battery last approx. 5 hours!
- Built in on-off switch
- Magnetic Mount included. Mountable Clips
- Wide output
- Standard mini-USB charging



**Includes 12VDC USB Charger**



**Lighting Color Options:**

- Natural White

**Part Numbers:**

LLB-32PC-01-00 (Natural White, 600 Lumen)

## Economical Recessed Lights

Elegant polished, brushed, or white 316 stainless trim with frosted Lens. Two screw mounting & Stainless Spring Clips mounting. Digitally dimmable design. Soft 2700K warm white Hi CRI LED light.

- 3-30VDC, 3.2 Watt
- 204 Lumen
- Indoor / Outdoor IP65
- Hole" 18mm Deep, 55mm Diameter



**Lighting Color Options:**

- Warm White

**Part Numbers:**

**Round Trim**

LLB-62WW-81-SS (Polished Stainless Trim, 2800K)  
 LLB-62WW-81-BN (Brushed Stainless Trim, 2800K)  
 LLB-62WW-81-WH (White Stainless Trim, 2800K)

**Square Trim**

LLB-62WW-81-SQ (Polished Stainless Trim, 2800K)  
 LLB-62WW-81-BQ (Brushed Stainless Trim, 2800K)  
 LLB-62WW-81-WQ (White Stainless Trim, 2800K)

## Adjustable / Highest Output 3.5" Recessed

Produces a powerful yet soft, high color rendering light that an area. Comes in Polished, Brushed and White with frosted lens. Spring mount.

- Can swivel or mount straight.
- Dimmable
- 430 Lumen, 80+ CRI
- 5 Watt



**Polished Trim**

**Lighting Color Options:**

- Warm White

**Part Numbers:**

LLB-56WW-2A-BN (Brushed Trim)  
 LLB-56WW-2A-SS (Polished Trim)  
 LLB-56WW-2A-WH (White Trim)

## Hi Output Recessed Light

**Low Profile**

**Narrow, Low Profile Bezel Recessed 3.5" 2700K Dimmable COB LED**

Elegant polished stainless, brushed nickel or white trim with frosted glass make this light the perfect choice. Three screw mounting compatible with the most popular models. Warm White, Warm White/Red and Warm White/Blue available. Two or Three wire Simply reverse polarity to switch between colors or hi/lo.

Soft 2700K warm white hi CRI COB LED light enhances the beauty of your surroundings. Two or Three Wire Connections.

- Now for Indoor/Outdoor use
- High output COB LED (soft on eyes)
- Fits 2.5" hole
- Available: White, White/Red, White/Blue
- Fully dimmable
- 375 Lumen, 5 Watt
- 12, 24, 32VDC Systems



**Lighting Color Options:**

- Warm White
- Warm White / Blue
- Warm White / Red

**Part Numbers:**

LLB-46WW-3A-SS (Polished Stainless Trim, Warm White)  
 LLB-46WR-3A-SS (Polished Stainless Trim, Warm White / Red)  
 LLB-46WB-3A-SS (Polished Stainless Trim, Warm White / Blue)  
 LLB-46WW-3A-WH (White Stainless Trim, Warm White)  
 LLB-46WR-3A-WH (White Stainless Trim, Warm White / Red)  
 LLB-46WB-3A-WH (White Stainless Trim, Warm White / Blue)  
 LLB-46WW-3A-BN (Brushed Stainless Trim, Warm White)  
 LLB-46WR-3A-BN (Brushed Stainless Trim, Warm White / Red)  
 LLB-46WB-3A-BN (Brushed Stainless Trim, Warm White / Blue)

## Full RGB Color Mixing Plus Warm White Light

**Offers all the color and 40W of 2700K Warm White Light**

The newest generation Lunasea LED RGBWW recessed light. The same great warm white high output light of our LLB-46 line with the addition of full color mixing. The Red, Green and Blue LED's are high power not the typical low power found in other products. Color mixing requires RGBW controller.

(See page 21 and 26 for list of controllers)

**RGB+W  
Over One Million  
Colors**



**Lighting Color Options:**

- Warm White
- Red
- Green
- Blue

**Part Numbers:**

LLB-46RG-3A-SS (Polished Stainless Trim)  
 LLB-46RG-3A-BN (Brushed Stainless Trim)  
 LLB-46RG-3A-WH (White Stainless Trim)

## NEW Premium Light Series

### Modern Design; Classic Finishes

Highest of quality with more light output! 3 watt wall produces warm white light. A selection of styles to choose. Built in dimming to reach the desired lighting.

- 250 Lumen, >85 CRI
- 10-30VDC, 3 Watt
- Touch Control
- Exclusive Hidden Mounting



**33VW**  
Indoor / Outdoor  
No Touch

**36JW**

**Lighting Color Options:**

- Warm White

**Part Numbers:**

- LLB-33GW-81-OT (250 Lumen, >85CRI)
- LLB-33OW-81-OT (250 Lumen, >85CRI)
- LLB-33TW-81-OT (250 Lumen, >85CRI)
- LLB-33VW-81-OT (250 Lumen, >85CRI)
- LLB-36CW-81-OT (250 Lumen, >85CRI)
- LLB-36EW-81-OT (250 Lumen, >85CRI)
- LLB-36JW-81-OT (250 Lumen, >85CRI)



**33OW**

**33GW**

**33TW**

**36CW**

**36EW**

## Wall Mount LED Fixtures

### Wall Mount with Touch Dimming

Beautiful 3 watt wall produces warm white light. A selection of styles to choose from including one with crystal glass.

- Brushed Aluminum
- Warm White Light
- Touch Dimming
- New Electronics for Improved Performance
- Now 12 & 24VDC Input



**33RW**

**33LW**

**33JW**

**33QW**

**33SW**

**33MW**

**33EW**

**Lighting Color Options:**

- Warm White

**Part Numbers:**

- LLB-33JW-81-OT (Warm White with Touch)
- LLB-33LW-81-OT (Warm White with Touch)
- LLB-33MW-81-OT (Warm White with Touch)
- LLB-33QW-81-OT (Warm White with Touch)
- LLB-33RW-81-OT (Warm White with Touch)
- LLB-33SW-81-OT (Warm White with Touch)
- LLB-33EW-81-OT (Warm White with Touch)



## Wall Mount LED Fixtures

### Slim and Stylish

Built-in touch dimming switch also produces a soothing blue glow. These beautiful wall put out the light! The main LED produces a warming light that will really light your cabin or dim to read by. Simply touch the switch and hold until you reach the desired lighting.

- Warm White Light
- Touch Dimming
- 12V DC



**Lighting Color Options:**

- Warm White

**Part Numbers:**

- LLB-33AW-81-OT (Warm White, 4.5 Watt)
- LLB-33BW-81-OT (Warm White, 3 Watt)
- LLB-33CW-81-OT (Warm White, 6 Watt)

## Surface Mount Fixtures

### Low profile COB LED Dome Light

Low surface mount with built in Hi/Lo or Red/White switch. Soft 2700K warm white Hi CRI COB LED Light enhances the beauty of your surroundings.

- High power output without the glare
- Hole compatible with old type dome lights
- 120 degree viewing angle
- 2700K Warm White, 85 CRI
- Equivalent to 40 watt incandescent
- 375 Lumen, 5 Watt
- 12, 24, 32VDC Systems

Available in Chrome or Brushed



**Lighting Color Options:**

- Warm White
- Warm White / Red
- Warm White / Blue

**Part Numbers:**

- 5.5" Diameter**  
 LLB-10WW-2A-CR (Warm White, High / Low Switch)  
 LLB-10WR-2A-CR (Warm White/Red Switch)  
 LLB-10WB-2A-CR (Warm White / Blue Switch)
- LLB-10WW-2A-BN (Warm White, High / Low Switch)  
 LLB-10WR-2A-BN (Warm White/Red Switch)  
 LLB-10WB-2A-BN (Warm White / Blue Switch)
- 6.75" Diameter**  
 LLB-07WW-2A-CR (Warm White, High / Low Switch)  
 LLB-07WR-2A-CR (Warm White/Red Switch)  
 LLB-07WB-2A-CR (Warm White / Blue Switch)
- LLB-07WW-2A-BN (Warm White, High / Low Switch)  
 LLB-07WR-2A-BN (Warm White/Red Switch)  
 LLB-07WB-2A-BN (Warm White / Blue Switch)

## LED Chart / Map Light

### Stylish Modern Design Ultra Bright

Don't get caught in the dark when trying to navigate! Our new Nav Station light offers both Red and Warm White in one. Both colors put out plenty of light to read by and look elegant too.

- **RED AND WHITE LIGHT IN ONE**
- Ultra Bright LED's
- Stylish Modern Design
- Includes Built in Switch
- Warm White 3 Watt / Red 1 Watt
- Input Voltage: 12, 24 and 32 volt systems



**Lighting Color Options:**

- Warm White / Red

**Part Numbers:**

- LLB-49WR-21-CR (Warm White / Red)

## 316 LED Courtesy Light

### Stylish, Compact, Easy to Install

Now a courtesy light that is stylish, compact and easy to install. The 316 Stainless steel IP67 design lets you mount either inside or out. The 10-40VDC includes an in-line driver (IP20). Available in Warm White, Red or Blue. Includes 1M (3 Ft) Cable. Elegance in simplicity.

- 60 Degree Spread
- IP67 - Durable Waterproof Operation
- Soft Light Output
- Dimmable



**Lighting Color Options:**

- Blue
- Red
- Warm White

**Part Numbers:**

- 12VDC ONLY**  
 LLB-571B-01-00 (Blue)  
 LLB-571R-01-00 (Red)  
 LLB-571WW-01-00 (Warm White)
- 10-40VDC**  
 LLB-571B-81-00 (Blue)  
 LLB-571R-81-00 (Red)  
 LLB-571WW-81-00 (Warm White)

## Low Cost LED Utility Light

### Compact, Easy to Install

The Lunasea LED Utility Light is lightweight and is an excellent source of natural white light.

Compact and lightweight but not low on light. Producing 432 lumens of light this compact light can really pack a punch.

- 432 Lumens
- Surface Mount
- On/Off Switch with Memory
- 10 - 30V DC - 3 Watt
- Wide Output



#### Lighting Color Options:

- Natural White

#### Part Numbers:

LLB-01WD-81-00 (Natural White)

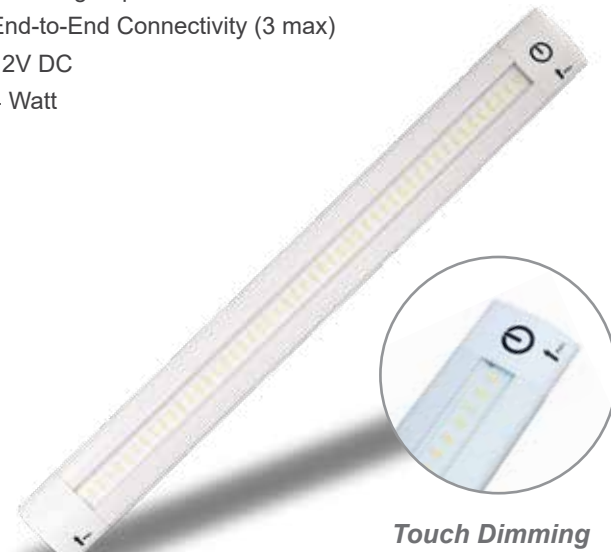
## Ultra Thin LED Light Bar

### 12 & 20 Inch - High Output

These sleek Light Bars are great for use in Boats, Homes and Recreational Vehicles! Slim and bright, that is what Lunasea Lighting delivers with it's newest addition.

Ultra thin design is only 8mm thick. Includes versatile mounting accessories providing either or adjustable mount. Light includes tough power switch, power cable. Corner and end to end cable accessory optional. IP20.

- Only 8mm Thick!
- Includes Power Cable, Touch Switch with Dimming and Mounting Clips
- End-to-End Connectivity (3 max)
- 12V DC
- 4 Watt



#### Lighting Color Options:

- Warm White

#### Part Numbers:

Touch Switch/Dimming  
 LLB-32KW-01-00 (Warm White, 12 inch, 12VDC)  
 LLB-32KW-11-00 (Warm White, 12 inch, 24VDC)  
 LLB-32KC-01-00 (Cool White, 12 inch, 12VDC)  
 LLB-32KC-11-00 (Cool White, 12 inch, 24VDC)  
 LLB-32LW-01-00 (Warm White, 20 inch, 12VDC)  
 LLB-32LW-11-00 (Warm White, 20 inch, 24VDC)  
 LLB-32LC-01-00 (Cool White, 20 inch, 12VDC)  
 LLB-32LC-11-00 (Cool White, 20 inch, 24VDC)

Push Button Switch  
 LLB-32KW-01-M0 (Warm White, 12 inch, 12VDC)  
 LLB-32KC-01-M0 (Cool White, 12 inch, 12VDC)  
 LLB-32LW-01-M0 (Warm White, 20 inch, 12VDC)  
 LLB-32LC-01-M0 (Cool White, 20 inch, 12VDC)

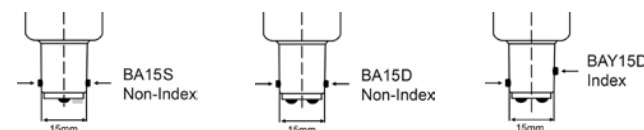
## G4 / MR11 / MR16 Adapters

Convert G4, MR11 and MR16 LED light bulbs to BA15D, BA15S, BAY15D and BAY15S bases.

Lunasea Lighting's adapters allow you to easily convert G4, MR11 and MR16 LED light bulbs so they fit the BA15S single contact base with parallel locking pins, BA15D single intensity dual contact base with parallel locking pins, or BAY15S and BAY15D base with offset locking pins.

These adapters ensure that you can easily replace outdated incandescent and halogen light bulbs with energy G4, MR11 and MR16 LED light bulbs! (Not for use on 110V systems.)

- Fast and Easy Conversion
- Flexibility to Meet Any LED Lighting Needs
- Replace Outdated Incandescent and Halogen Lights



#### Part Numbers:

LLB-44AG-01-00 (G4 to BA15S Adapter)  
 LLB-44BG-01-00 (G4 to BA15D Adapter)  
 LLB-44DG-01-00 (G4 / MR11 / MR16 to BAY15D Adapter A)  
 LLB-44EE-01-00 (E26 to G4/MR16 adapter)

## 3 Amp Waterproof Converter

### 24 - 12VDC Converter

Lunasea's 3-amp, waterproof converter ensures that you are protected against overloading, over-current and over-heating!

Output current: 3 Amp Output power: 36 Watts

Output ripple: 50mV (MAX) 20M-bandwidth  
 Full load temperature rise: 50C  
 Load regulation: +/- 1%  
 Voltage regulation: +/- 2%  
 Operating temp: -40C to +85C  
 Size: 58x40.5x22mm  
 Weight: 93g

- 24 VDC to 12 VDC Conversion
- Compact Design
- 36W Output



#### Part Numbers:

LLB-17PA-11-00

Europa Pendant LED Lights



**Cobalt Blue**  
**Dimensions:**  
 Glass Width: 3.5"  
 Glass Height: 2.75"  
 Rod Length: 6"

**Red/Brown Swirl**  
**Dimensions:**  
 Glass Width: 3.5"  
 Glass Height: 2.75"  
 Rod Length: 6"

**Multi-Color Swirl**  
**Dimensions:**  
 Glass Width: 3.94"  
 Glass Height: 2.76"  
 Rod Length: 6"

**White/Multi-Color Swirl**  
**Dimensions:**  
 Glass Width: 3.5"  
 Glass Height: 2.75"  
 Rod Length: 6"

**Green/Blue Swirl**  
**Dimensions:**  
 Glass Width: 4.5"  
 Glass Height: 2.75"  
 Rod Length: 6"

**High Power LED Pendant - Hand Blown Glass and Friction Swivel**

We invite you to discover our elegant Europa pendant LED lights. They deliver unmatched natural light that is the smart alternative to energy draining, battery killing and hot halogen bulbs. Europa pendants are available in a variety of beautiful blown glass shades for an extra touch of style and warmth.

The built-in digital dimming option allows our LED Pendant Lights to be operated with the Lunasea Lighting professional dimming switch. LED Pendant Lights features Lunasea's exclusive, friction-swivel base that allows the rod and pendant to move or swing if bumped but stay put when traveling.

**Lighting Color Options:**



**Part Numbers:**

- Natural White:**  
 LLW-03CB-01-00 (Cobalt Blue)  
 LLW-03BB-01-00 (Multi-Color Swirl)  
 LLW-03WM-01-00 (Cool White/Multi-Color Swirl)  
 LLW-03RB-01-00 (Red/Brown Swirl)  
 LLW-03GB-01-00 (Green/Blue Swirl)

- 
- 10-30 VDC
- 3 Watt

Interior RGB Color Controller

**Indoor Transmitter/Receiver**

Remote provides easy cost effective control for you multi color RGB LED Strip Lights.

- Multi Function Controller
- Controls Red/Green/Blue
- 12VDC, 72W output



**Part Numbers:**  
 LLB-45AR-08-02 (Transmitter/Receiver)

Interior RGBW Color Controller

**Wall Mount Direct Drive**

Controller provides On/Of

- 4 Color Output
- 5 Amp Per Color Output
- 12 / 24VDC (In = Out)
- Single Zone
- 86mm x 86mm x 29.1mm



**Part Numbers:**  
 LLB-45AY-08-00  
 (Four Color Wall Mount, Hard Wired, Dimmer Controller)

Indoor and Outdoor Waterproof Strip LED's

**Add Ambiance to any Environment**

LED Strip Lighting offers the perfect solution to creating energy-stylish task, accent and mood lighting. Strips are

IP20 for indoors and IP68 rated with extensive UV protection for outdoors makes these strip LED's perfect for boating applications.

Add one of the optional controllers and produce multiple colors, control brightness and create special effects.

- Made with Silicon for best UV protection
- Flexible & Waterproof
- 20-22 Lumen per LED Output
- 120 Degree Viewing
- Cut to perfect length
- Input Voltage: 12 VDC - 7 Watt / Meter



**NEW UV RESISTANT SILICONE TECHNOLOGY**

See controllers starting on page 23 for controlling Strip Lighting

Lighting Color Options:

- Warm White
- Red
- Green
- Blue
- Red / Green / Blue

Part Numbers:

**Indoor IP20, 60 LED/Meter, 12VDC**  
LLB-463W-01-05 (Warm White, 5 Meter)

**Outdoor IP68, 60 LED/Meter, 12VDC**  
LLB-453M-01-02 (RGB, 2 Meter)  
LLB-453M-01-05 (RGB, 5 Meter)  
LLB-453W-01-02 (Warm White, 2 Meter)  
LLB-453W-01-05 (Warm White, 5 Meter)  
LLB-453R-01-02 (Red, 2 Meter)  
LLB-453R-01-05 (Red, 5 Meter)  
LLB-453B-01-02 Blue, 2 Meter)  
LLB-453B-01-05 Blue, 5 Meter)

**Complete Turnkey Flexible Strip LED Kits**

Includes RF Remote, Receiver and 3 M (10ft) of extension Cable



Part Numbers:

**Indoor IP20, 60 LED/Meter, 12VDC**  
LLB-463W-01-K5 (Warm White, 5 Meter)

**Outdoor IP68, 60 LED/Meter, 12VDC**  
LLB-453M-01-K5 (RGB, 5 Meter)  
LLB-453W-01-K5 (Warm White, 5 Meter)  
LLB-453R-01-K5 (Red, 5 Meter)  
LLB-453B-01-K5 Blue, 5 Meter)

Mini RF Dimmer Kit

**Single Zone Mini RF LED Dimmer and 8 Amp Receiver**

Easy and convenient way to control lighting without wires.

- Transmits up to 20 meters (65 feet)
- Switch on/off or hold for smooth dimming
- Remembers state it was when receiver power is removed
- Receiver Voltage: 12-36VDC, 8 amp output
- Receiver Now Controls Positive output



Surface Mountable Button is wireless and self powered

Part Numbers:

LLB-45RU-91-K1 (includes LLB-45RT-01-00 & LLB-45RR-91-00)

Linear RF Dimmer Kit

**Single Zone Linear RF LED Dimmer and 8 Amp Receiver Kit**

Easy and convenient way to control lighting without wires.

- Transmits up to 20 meters (65 feet)
- Switch on/of
- Remembers state it was when receiver power is removed
- Receiver Voltage: 12-36VDC, 8 amp output
- Receiver Now Controls Positive output



Part Numbers:

LLB-45RE-91-K1 (includes LLB-45RF-01-00 & LLB-45RR-91-00)

**COMPLETE TURN KEY SOLUTION**

RF Dimmer-One Zone Transmitter

**Tape Mount**

Lunasea Lighting's professional RF Dimmers offer convenience and total control for your LED lights!

Small convenient design is surface tape mountable.

Push once for on or off, or hold for dimming.

- Control Range of 20 Meters
- Reliable On/Off and Dimming
- Each Remote Can Be Set to Multiple Receivers



**Part Numbers:**  
 LLB-45RT-01-00 (Tape mount)  
 LLB-45RK-01-00 (Keychain)

RF Dimmer-Receiver

**Convenience and Control**

Lunasea Lighting's professional RF Dimmers offer convenience and total control of your Lighting. Now with Positive Output Control you can use with common ground systems.

Add optional Normally Open Switch to control dimming and on/off function.

- Can be used both wired and wirelessly
- Control Range of 20 Meters
- Reliable Touch and Dimming
- Each Remote Can Be Set to All Receivers
- 12V / 96W, 24V / 192W, 36V / 288W

**NEW POSITIVE OUTPUT CONTROL**



**Part Numbers:**  
 LLB-45RR-91-00

RF Dimmer-Portable Transmitters

**Four Zone**

Lunasea Lighting's professional RF Dimmers offer convenience and total control for your LED lights!

An easy and portable touch interface with smooth dimming functionality for up to four sections (receivers).

CR-2025 battery average life is 3-5 years. Mount to a wall or leave on the table whichever is most convenient. **Requires LLB-45RR-91-00 Receiver.**

- Control Range of 20 Meters
- Reliable Touch and Dimming
- Each Remote Can Be Set to All Receivers



**Part Numbers:**  
 LLB-45RG-01-00

RF Dimmer-Two & Four Zone

**Wall Mount Touch Interface**

Lunasea Lighting's professional RF Dimmers offer convenience and total control for your LED lights!

Built in unit has easy touch interface with smooth dimming functionality for four stations (receiver required for each zone). The wall mount dimmers include an attractive tempered glass interface with capacitive touch interface just like your smart phone. Backlit display for easy access at night.

Requires 12/24VDC (no battery required).

**LLB-45RR-91-00 Receiver required for each zone.**

- Control Range of 20 Meters
- Reliable Touch and Dimming
- Each Remote Can Be Set to All Receivers



**Part Numbers:**  
 LLB-45RZ-91-00  
 LLB-45RX-91-00

Multi Color Controllers

**Full RGBW Color Mixing Controllers**

Designed to control our newest generation Lunasea LED RGBWW recessed lights (LLB-46RG-3A-xx). Full color mixing offers over 1 million colors. Allows for control of each color individually or combined for easy dimming.

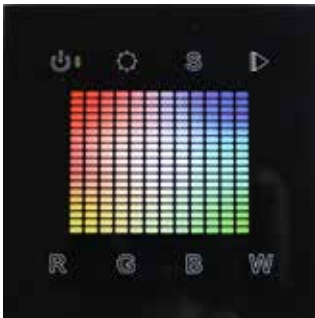
LLB-45WG-01-00



LLB-45WZ-91-00 4-Zone



LLB-45WB-91-00 Black  
LLB-45WW-91-00 White



**Part Numbers:**

- LLB-45WG-01-00 Remote Transmitter (Black)
- LLB-45WW-91-00 Wall Mount Transmitter (White)
- LLB-45WB-91-00 Wall Mount Transmitter (Black)
- LLB-45WZ-91-00 Wall Mount Transmitter - 4 Zone (Black)

Multi Color Receiver/Driver

**RGBW RF Receiver**

RF Receiver provides On/Off/DIM for RGBW Multi color Receiver can drive up to 12 LLB-46RG-3A-xx If more lights on a single switch are required, additional receivers can be paired.

- 5A Output Per Color
- Single Zone



**Part Numbers:**

- LLB-45WR-91-00

LED Navigation Fixtures

**ZERO EMI EMISSIONS Won't Affect AIS Equipment**

Introducing the new LLB-53Bx-01-00 Series Navigation Fixtures that produce NO EMI for the most sensitive equipment. In keeping with AIS advances, Lunasea Lighting has developed a new masthead light that utilizes Active Current Control technology that is only available in 12-volt version. The masthead lamp eliminates all high frequency noise

- ZERO EMI
- Ultra-light Weight, only 4.9 Ounces
- Two\* or Three wire hookup
- 2 Nautical Mile Light Output with Waterproof Quick Disconnect
- Anchor Auto-Off Light Sensor During Daylight Hours
- 12VDC Systems
- 5 Watts

\* Two wire hookup requires reverse polarity switch. Running & Anchor Only, (no flash option).



**Part Numbers:**

- LLB-53BK-01-00 (Tri Color, Anchor and Emergency Strobe)
- LLB-53BS-01-00 (Steaming and Anchor, USCG approval pending)
- LLB-53BA-01-00 (Anchor Light)

Switch

- LLB-53SW-81-00 (Selector Switch for 53BK model)



## NEW Indoor/Outdoor Mini Flood Lights Fixtures

### Low Profile Surface Mount or Adjustable

New are indoor and outdoor capable utilizing COB LED that is easy on the eyes while emitting 1600 Lumens. The LLB-51M1 is surface mountable with smooth edges and the LLB-61WO has the ability to pivot 90° making it the perfect for placing light where you want it.

- 1600 Lumens, 4500K, 85CRI
- 120° Area Lighting
- 10-30VDC, 8W



#### SPECIFICATIONS

**Voltage Range:** 10-40VDC MAX  
**Input Current:** 12VDC - 0.68A  
**Light Output:** 1,600 Lumen  
**Beam Angle:** 120 Degree  
**Color Temp:** White - 3,000K, 80+ CRI  
**Environment:** IP65  
**Enclosure:** Aluminum Hard Anodized & Bake Urethaned  
**Wiring:** Two Wire  
**Wire Length:** ~18 Inches

#### Lighting Color Options:

Natural White

#### Part Numbers:

LLB-51M1-81-00 IP65 Surface Mount  
 LLB-61WO-81-00 Bracket Adjustable

## LED Engine Room Light Gen 2 Flood / Area

### 18.5 WATT

Lunasea's new Gen 2 indoor/outdoor light utilizing the newest high performance LED technology. Excellent for lighting up small to medium size areas. Low design has an IP65 Rating. Hard Anodized aluminum housing with Baked Urethane for extreme durability. Glass lens will not become brittle or turn yellow like plastic lenses.



#### SPECIFICATIONS

**Voltage Range:** 10-40VDC MAX  
**Input Current:** 12VDC - 1.5A  
**Light Output:** White 3,250 Lumen / Red 456 Lumen  
**Beam Angle:** 120 Degree  
**Color Temp:** White - 4,000K, 85+ CRI / Red 627 nm  
**Environment:** IP65  
**Enclosure:** Aluminum Hard Anodized & Bake Urethaned Two  
**Wiring:** Wire / Three Wire  
**Wire Length:** ~20 Inches  
**Mounting:** 4 Screws, M4 x 14 or #8 x 1/2" screws

#### Part Numbers:

LLB-51W0-91-10 (White Only)  
 LLB-51WR-91-10 (White / Red)

## Commercial Area Fixture

### Flood / Area / Engine Room 30 Watt - Professional Fixture

Lunasea next generation Ignition Proof Light utilizing the newest LED technology. Excellent for lighting up larger areas such as walkways and large engine rooms. Thin compact design has an IP65 Rating. Hard Anodized aluminum housing with Baked



#### SPECIFICATIONS

**Voltage Range:** 120/240VAC (108-264VAC / 50/60Hz)  
**Input Wattage:** 30W  
**Light Output:** White 4,000 Lumen  
**Beam Angle:** 120 Degree  
**Color Temp:** White - 4,000K, >80+CRI  
**Environment:** IP65  
**Enclosure:** Aluminum Hard Anodized & Bake Urethaned  
**Wiring:** Three Wire - SOP  
**Wire Length:** ~24 Inches  
**Mounting:** 4 Screws, M4 x 14 or #8 x 1/2" screws

#### Part Numbers:

LLB-52MN-41-00 (White Only)

## Economic Utility Light

### 15 Watt, 1250 Lumen

The Lunasea 15W Utility Flood Light produces 1250 lumens. All this in a compact size with stainless brackets. Designed to project useful work area light that gets the job done. 60 degrees of bright light.



#### SPECIFICATIONS

**Voltage Range:** 10-32VDC MAX  
**Input Current:** 12VDC - 2.92A, 24VDC - 1.46A  
**Light Output:** 1250 Lumen  
**Beam Angle:** 60 Degree  
**Color Temp:** 6000K White  
**Environment:** IP65  
**Operating Temp:** -30C to 70C  
**Enclosure:** Cast Aluminum Anodized & Urethaned  
**Bracket:** Stainless  
**Dimensions:** 159.5 X 63 x 47.5mm

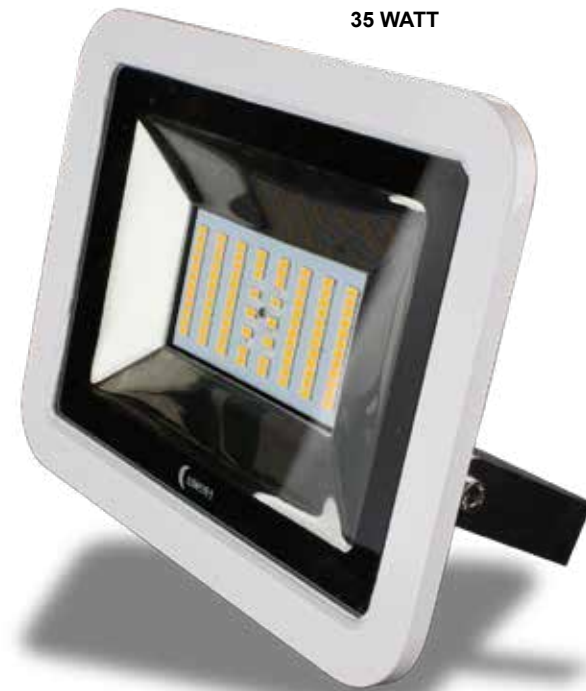
#### Part Numbers:

LLB-47FW-82-00

## 12 / 35 Watt Ultra Thin, Fully Sealed 1200 / 4800 Lumen IP65 Flood

The newest generation Lunasea LED light is both bright and ultra thin. Available in both 12W and 35W. Sleek design anywhere while offering bright soft light output with a color rendering of >80CRI. Beam angle of 110 degree great for area

lighting. Includes Stainless Bracket and Hardware, Tempered Glass, Breather Valve, completely sealed without the use of gaskets. Bright meets beautiful.



### SPECIFICATIONS

**LLB-366N-81-00**  
**Power:** 12 Watt  
**Voltage Range:** 12/24VDC  
**Output:** 1300 Lumen, 4000K, >80CRI  
**Dimensions:** 213 L x 28.5 W x 178 H

**LLB-366N-31-00**  
**Power:** 12 Watt  
**Voltage Range:** 120VAC (108-132VAC - 60Hz)  
**Output:** 1200 Lumen, 4000K, >80CRI  
**Dimensions:** 213 L x 28.5 W x 178 H  
**Certification:** UL / cUL E344519

**Part Numbers:**  
 LLB-366N-81-00 (12Watt)  
 LLB-366N-31-10 (12 Watt)

### SPECIFICATIONS

**LLB-36MN-81-00**  
**Power:** 35 Watt  
**Voltage Range:** 12/24VDC  
**Output:** 4800 Lumen, 5700K, >80CRI  
**Dimensions:** 211 (8.3") L x 165 (6.5") H x 39 (1.5") D

**LLB-36MN-41-00**  
**Power:** 35 Watt  
**Voltage Range:** 120/240VAC (108-264VAC - 50/60Hz)  
**Output:** 4500 Lumen, 5700K, >80CRI  
**Dimensions:** 211 (8.3") L x 165 (6.5") H x 39 (1.5") D

**Part Numbers:**  
 LLB-36MN-81-00 (35 Watt)  
 LLB-36MN-41-00 (35 Watt)

## 1100 Lumen Directional Spreader

Now a spreader light that delivers. Designed for distance, engineered for quality. We have taken two of the brightest single point light source LEDs and married them with a lens that puts the light where you want it, on your boat! Most spreader lights cast a large quantity of light outside your boat while other LED's spreader lights focus the little intensity they have on small areas. The Lunasea spreader light offers up a whopping 1100 lumens of light and focuses it from bow to stern. When the polarity is swapped on the power the light dims down. 11 watts of power!



### SPECIFICATIONS

**Voltage Range:** 10-40VDC MAX  
**Input Current:** 12VDC - .95A, 24VDC - .49A  
**Light Output:** Hi 1100 Lumen / Low 550 Lumen  
**Color Temp:** White - 4500K, 75 CRI  
**LED:** Cree  
**Environment:** IP67  
**Enclosure:** Cast Aluminum Alodined & Bake Urethane  
**Wire Length:** 8 inches  
**Mounting:** #8 or M4 Screws  
 3-offset by 5 degrees forward or aft

**Part Numbers:**  
 LLB-472W-21-10

## LED Replacement for sealed beam

The new Lunasea Spreader/Foredeck LED offers superior light output, long life and requires only 13W of power. It's 38 degree beam places the light where you want it. Replaces 50W sealed beam with extra light to spare having the equivalent light output of 75W.



### SPECIFICATIONS

**Voltage Range:** 12-24VDC Systems  
**Input Current:** 12VDC - 1.08A, 24VDC - .54A  
**Light Output:** 850 Lumen  
**Color Temp:** White - 4000K, 75 CRI  
**LED:** Cree  
**Environment:** IP67  
**Enclosure:** Encapsulated  
**Mounting:** Includes Silicon Gasket

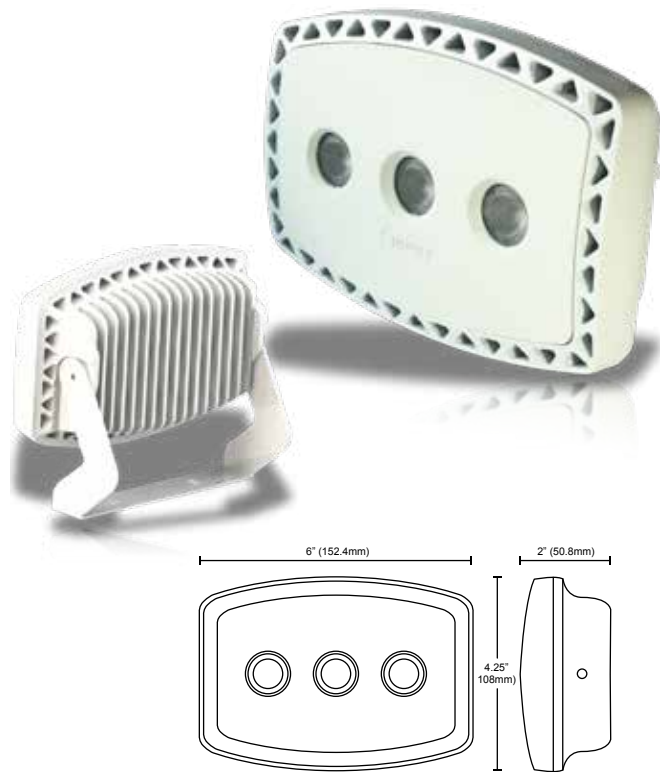
**Part Numbers:**  
 LLB-55NN-81-00



## Spotlight

### Distance

Lunasea Extreme Beam Spot Light produces immense intensity within a compact stylish package. Versatile mounting and dimming capabilities offer the of long or short range use.



#### SPECIFICATIONS

- Voltage Range:** 10-40VDC MAX
- Input Current:** 12VDC - 1.9A  
24VDC - 0.96A
- Light Output:** 2,100 Lumen
- Beam Angle:** 20 Degree (LLB-504N-91-00)  
40 Degree (LLB-504W-91-00)
- Color Temp:** Cool White, 75 CRI
- LED:** Cree
- Environment:** IP67
- Enclosure:** Cast Aluminum Anodized & Urethaned
- Bracket:** 304 Stainless Steel
- Wire Length:** 6 Foot

#### Part Numbers:

- LLB-503N-91-00 (20 degree)
- LLB-503W-91-00 (40 degree)

## Professional Large Area Light

### Class 1, Division 2, Hazardous Location, LED Fixture

The Lunasea 90W Flood Light produces the 11,500 lumens that lights up the work area. Designed to last! 100 degrees of ultra bright light that utilizes Lunasea's proprietary thermal control electronics to guarantee long life in harsh temperatures and environments.



- Conforms to UL Standards 844 for use in hazardous locations
- Conforms to UL Standards 1598 Wet Location & NFPA
- Class I, Division 2, Groups A, B, C & D; T-code of 6
- Meets USCG Requirements
- Outside Type (Salt Water)

#### SPECIFICATIONS

- Voltage Range:** 90-305VAC, 50-60Hz, 127 - 431VDC
- Light Output:** 11,500 Lumen
- Beam Angle:** 100 Degree
- Operating Temp:** -40C - 70C
- Color Temp:** Natural White, 4500K, 80 CRI
- Environment:** IP65
- Enclosure:** Machined Marine Grade Aluminum
- Bracket:** 304 Stainless Steel

#### Part Numbers:

- LLB-60NC-31-10

## Professional Large Area / Distance

### Class 1, Division 2, Hazardous Location, LED Fixture

The new Lunasea 180W Flood Light produces the 24,000 lumens. Designed to project useful light at great distances, utilizing premier optics and the newest LED modules available today. Designed to last! 70 degrees of ultra bright light.



- Conforms to UL Standards 844 for use in hazardous locations
- Conforms to UL Standards 1598 Wet Location & NFPA
- Class I, Division 2, Groups A, B, C & D; T-code of 6
- Meets USCG Requirements
- Outside Type (Salt Water)

#### SPECIFICATIONS

- Voltage Range:** 90-305VAC, 50-60Hz, 127 - 431VDC
- Light Output:** 24,000 Lumen
- Beam Angle:** 70 Degree
- Operating Temp:** -40C - 70C
- Color Temp:** Natural White, 4500K, 80 CRI
- Environment:** IP65
- Enclosure:** Machined Marine Grade Aluminum
- Bracket:** 304 Stainless Steel

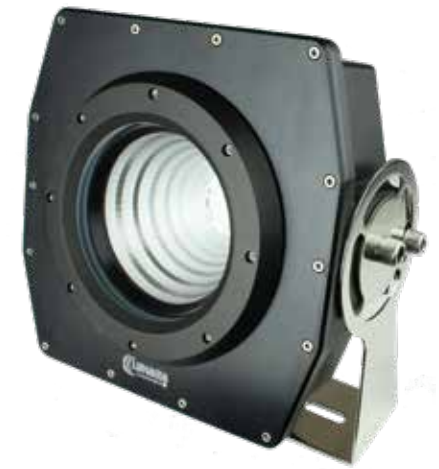
#### Part Numbers:

- LLB-60PC-31-10

## Extreme Distance

### Pure Intensity

Spotlight Light produces the most extreme intensity that goes the distance. The Brightest, Most Intense, Period! Designed to project useful light at great distances, utilizing premier optics and the most intense LED module available today. The tight beams of light enable crisp, intense beam making it ideally suited to replace high power Metal Halide lights.



#### Configuration Legend

spread).

- x = A = 10
- B = 20
- C = 40
- D = 10-20
- E = 10-40



#### SPECIFICATIONS

- Voltage Range:** 90-264VAC, 50-60Hz
- Light Output:** 10,000 Lumen
- Beam Angle:** Single (LLB-541x-31-00)  
Double (LLB-542x-31-00)
- Color Temp:** Cool White, 75 CRI
- Environment:** IP67
- Enclosure:** Machined Marine Grade Aluminum
- Bracket:** 304 Stainless Steel
- Wire Length:** 6 Foot

#### Part Numbers:






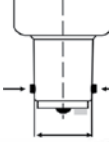



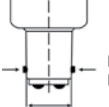








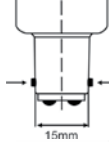








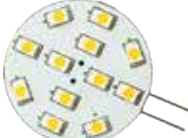




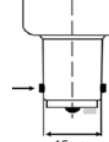
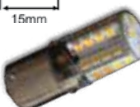











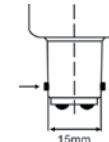
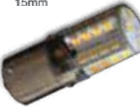




- LLB-54xx-31-10



# LED LIGHT BULB REPLACEMENT GUIDE

## Cross Reference

All Bulbs are 10-30VDC (12 & 24VDC Systems) unless noted  
 Bulbs have no polarity. Simply insert and use  
 Low heat and brighter light.  
 Listed replacement bulbs are the most popular.

Original Bulb	LED Replacements	Original Bulb	LED Replacements	Original Bulb	LED Replacements	Original Bulb	LED Replacements	Original Bulb	LED Replacements
G4 10-15 Watt 	 LLB-216/ 21B SIDE PIN LLB-216W-21-00 Warm White LLB-216C-21-00 Cool White BACK PIN LLB-21BW-21-00 Warm White LLB-21BC-21-00 Cool White BOTTOM PIN LLB-21FW-61-00 Warm White LLB-21FC-61-00 Cool White	T10 Wedge 2-5 Watt 	 (360 degree) 12V only LLB-235W-21-00 Warm White LLB-235C-21-00 Cool White	BA15S 10-15 Watt 	 BA15S Non-Index  360 Degree LLB-22FW-21-00 Warm White LLB-22FC-21-00 Cool White	20-27 Watt 	 360 Degree LLB-26EW-21-00 Warm White LLB-26EC-21-00 Cool White  BA15D Non-Index  360 Degree Low Profile LLB-26LW-21-00 Warm White LLB-26LC-21-00 Cool White	Festoon 5-10 Watt  31MM LLB-202W-21-00 Warm White LLB-202C-21-00 Cool White LLB-202R-21-00 Red LLB-202G-21-00 Green	 120 Degree LLB-202W-21-00 Warm White LLB-202C-21-00 Cool White LLB-202R-21-00 Red LLB-202G-21-00 Green
G4 15-25 Watt 	 360 Degree BOTTOM PIN (360 degree) LLB-21KW-61-00 Warm White LLB-21KC-61-00 Cool White	MR11 10-20 Watt 	 LLB-11TW-61-00 Warm White LLB-11TD-61-00 Cool White	BA15D 10-15 Watt 	 BA15D Non-Index 15mm  360 Degree LLB-26FW-21-00 Warm White LLB-26FC-21-00 Cool White	18-20 Watt 	 360 Degree 2600K Warm White LLB-26LW-21-00 Warm White LLB-26LC-21-00 Cool White	Festoon 10-15 Watt  37MM LLB-196W-21-00 Warm White LLB-196C-21-00 Cool White LLB-196R-21-00 Red  360 Degree LLB-19LW-21-00 Warm White LLB-19LC-21-00 Cool White LLB-19LR-21-00 Red	 120 Degree LLB-196W-21-00 Warm White LLB-196C-21-00 Cool White LLB-196R-21-00 Red  360 Degree LLB-19LW-21-00 Warm White LLB-19LC-21-00 Cool White LLB-19LR-21-00 Red
G4 20-30 Watt 	 LLB-21TW / UW  LLB-21EW 360 Degree SIDE PIN LLB-21TW-21-00 Warm White LLB-21TC-21-00 Cool White LLB-21TR-21-00 Red BACK PIN LLB-21UW-21-00 Warm White LLB-21UC-21-00 Cool White LLB-21UR-21-00 Red BOTTOM PIN (360 degree) LLB-21EW-21-00 Warm White LLB-21EC-21-00 Cool White	MR16 15-25 Watt 	 12VAC/DC only LLB-16NW-61-00 Warm White LLB-16ND-61-00 Cool White	BA15S 20-27 Watt 	 BA15S Non-Index 15mm  360 Degree LLB-22KW-21-00 Warm White LLB-22KC-21-00 Cool White	60W E26 Edison Style 	 360 Degree 2600K Warm White 12VDC LLB-48FW-82-00 Warm White	Festoon 10-15 Watt  42MM LLB-186W-21-00 Warm White LLB-186C-21-00 Cool White LLB-186R-21-00 Red  240 Degree LLB-189W-21-00 Warm White LLB-189C-21-00 Cool White LLB-189R-21-00 Red  360 Degree LLB-18LW-21-00 Warm White LLB-18LC-21-00 Cool White LLB-18LR-21-00 Red	 120 Degree LLB-186W-21-00 Warm White LLB-186C-21-00 Cool White LLB-186R-21-00 Red  240 Degree LLB-189W-21-00 Warm White LLB-189C-21-00 Cool White LLB-189R-21-00 Red  360 Degree LLB-18LW-21-00 Warm White LLB-18LC-21-00 Cool White LLB-18LR-21-00 Red
		MR16 30-50 Watt 	 12VAC/DC only LLB-16CW-21-00 Warm White LLB-16CD-21-00 Cool White	BA15D 20-27 Watt 	 BA15D Non-Index 15mm  360 Degree LLB-26KW-21-00 Warm White LLB-26KC-21-00 Cool White	ADAPTERS  	LLB-44AG-01-00 BA15S to G4 LLB-44BG-01-00 BA15D to G4 LLB-44DG-01-00 BAY15D to G4  LLB-44EE-01-00 E26/27 to G4	Festoon 20-25 Watt  43MM LLB-31HW-71-00 Warm White LLB-31HC-71-00 Cool White LLB-31HR-71-00 Red LLB-31HG-71-00 Green	 360 Degree LLB-31HW-71-00 Warm White LLB-31HC-71-00 Cool White LLB-31HR-71-00 Red LLB-31HG-71-00 Green