

SV42-Surface Mounted



This light has an LED array in a bronze housing designed for boats 40' and under that want LED lighting. This light is excellent for any boat which has interior access problems where conventional thru hull lighting is difficult to install. It is also excellent for trailerable boats and any boats with limited available power.



SV42 technical specifications

Application for:	GRP / fiberglass / wood hulls
Lamp:	Six LED modules Available in white or blue
Life length:	approx. 30,000 hours
Kelvin color temp:	6500
Glass lens:	Convex crown glass
Thickness:	0.93" / 23.5mm x 2.2" / 57mm
Power supply:	11-28 VDC - 1.47 amps
Casing material:	Marine Bronze
Dimensions:	3.94" / 100mm x 1.83" / 46.5mm

Weight:	1.4 kg / 3 lbs
Code:	SV42 – Surface Mounted
Total Shipping weight:	1.8 kg / 4 lbs
Installation:	recommended at least 5-6" (125-150mm) below waterline between 3-6 feet (1-2 meters) apart. The placement of surface mounted underwater lights on the hull bottom or sides is not recommended

All information is subject to change without prior notice, please confirm details prior to ordering.

SV42 Light

SURFACE MOUNTED, LED ARRAY,
12VDC or 24VDC



Introduction:

Congratulations on the purchase of your new surface mounted LED light (Patent Pending). Underwater Lights® USA, LLC takes pride in providing well designed, high quality and thoroughly tested lights that allow you to “enhance your boating experience”. These lights can be installed in your vessel for aesthetics, to attract fish, for security and safety.

General Operating Information:

The commercial grade Light Emitting Diode (LED) technology used in this light will provide robust and reliable operation under normal operating conditions.

Depending upon water clarity conditions, the light beam can reach up to 9 meters (30 feet).

General Safety Information:

This light is intended for use on fiberglass and wood hulled vessels.

Always disconnect and lock-out power before working on light.

Marine growth should be removed from the convex glass using a soft brush to allow illumination to exit the light.

Technical Specifications:

Light source = White LED array - 6500 Kelvin color temperature and 1067 lumens or alternate Blue LED array - Approximately 30,000 hours life for each color - Internal thermal limit protection included

Light glass = Convex crown glass - 23.5mm (0.93”) thick - 57mm (2.2”) diameter net aperture

Light dimensions = 100mm (3.94”) diameter x 46.5mm (1.83”) long - 1407 grams (3.1 lbs)

Light construction = Marine bronze

Power source = 11-28VDC input range - 1.47 Amps maximum - Operating temperature from -30°C (-22°F) to 50°C (122°F)

Troubleshooting:

Please contact our technical support staff in Florida at 1-954-760-4447, Monday to Friday from 8:00 am to 5:00 pm EST.

Warranty:

Underwater Lights® USA, LLC warrants this light to be free from defects in workmanship and materials for a period of two years from the date of original purchase. Further, misuse, abuse, improper installation, neglect, improper shipping, damage caused by disasters such as fire, flood and lightning, unauthorized repair or modifications will void said warranty. Should your light prove defective during the warranty period, promptly contact Underwater Lights® USA, LLC for an RMA number and then return the light freight prepaid with the RMA number clearly marked on the outside of the shipping container.

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DOC:072607-1

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Installation:

This light should be installed at least 125-150mm (5-6") below the water line by qualified/approved personnel using proper tools and materials. The placement of surface mounted underwater lights on the hull bottom or sides is not recommended.

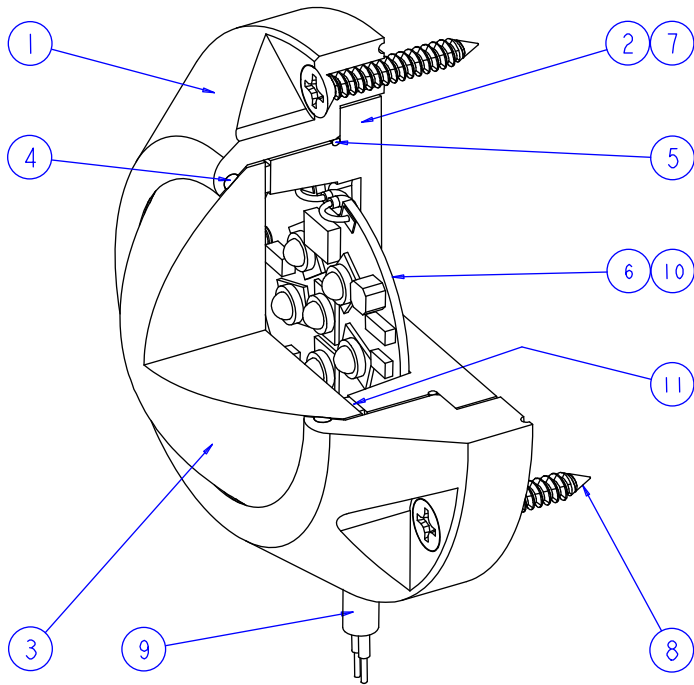
Select a flat surface at the desired location on the vessel hull then orient and attach the light using three Phillips Flat Head Screws (8) and 3M 4200 Marine Adhesive or equivalent. Note: Depending upon installation surface material, three small pilot holes may be required. Caution! Check that no electrical wiring, fuel lines, oil lines, water lines etc., pass near the desired mounting location.

Route Electrical Cable (9) above the water line and into the vessel proper, then secure accordingly. Connect RED wire lead to a switched and fused power source and connect BLACK wire lead to a good ground. Caution! Avoid making tight bends and/or passing Electrical Cable (9) over sharp edges/surfaces.

Serviceable Parts:

LED Array (6) and Electrical Cable (9) are not field serviceable on this light. However, Convex Glass (3), Glass O-ring (4), Glass Gasket (11) and Back Cover O-ring (5) can be replaced by removing five Socket Flat Head Screws (7) and carefully separating Main Body (1) from Back Cover (2). Note: Evenly hand tighten the five Socket Flat Head Screws (7) after carefully re-assembling said parts.

MODELS G13Z99B39-Z99Z9923 WHITE & G13Z99B40-Z99Z9923 BLUE, 12/24VDC		
BALLOON	PART	DESCRIPTION
1	42001	MAIN BODY, BRONZE*
2	42079	BACK COVER, BRONZE*
3	42011	CONVEX GLASS
4	42012	GLASS O-RING
5	42013	BACK COVER O-RING
6	42089 42090	WHITE LED ARRAY BLUE LED ARRAY
7	42015	M3 x 0.5 x 12 LG SST SOCKET FHS
8	42016	No. 10 x 1-1/4" LG SST PHILLIPS FHS
9	42017	ELECTRICAL CABLE
10	42063	M2 x 0.4 x 5 LG SST PHILLIPS PHS
11	42052	GLASS GASKET
*PLEASE CALL FOR OTHER LIGHT COMPONENT CONFIGURATIONS		



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