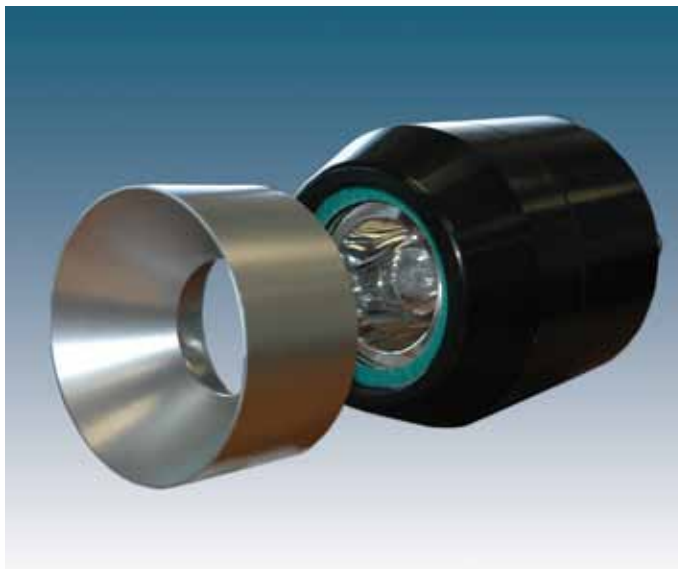


SV38-150w



The Sea Vision SV38 weld in tank light model for aluminum/steel hulls can be installed in the transom or the hull, it utilizes a 150 watt HID metal halide lamp and 110-230 volt AC power. The lights can be welded at adjustable angles to suit all hull shapes. The hull shape and positioning will dictate the angle of the light you require, angles available are 0 to 50 degree. The SV38 weld in tank model was specifically designed to provide a watertight light for use inside freshwater tanks and ballast tanks. It utilizes a hydraulic hose or tubing to route the wiring from the light to a tank boundary. The vessel must be hauled out for installation although lamp change and any maintenance can be done in the water from within the hull.



SV38 technical specifications

Application for:	Aluminum/steel hulls
Lamp:	150 watt HID metal halide
Life length:	approx. 3,000 hours plus
Lumens:	12,000
Kelvin colour temp:	7500
Glass lens:	Borosilicate glass
Thickness:	12.7mm / 0.5"
Power supply:	120 VAC 50/60Hz input - running current 1.33 amps 230 VAC 50/60Hz input - running current 0.59 amps
Casing material:	Aluminum 5086/Steel 316
Dimensions:	0-30 degree - 120mm x 175mm / 4.75" x 7" 24-38 degree - 140mm x 175mm / 5.5" x 7" 38-50 degree - 140mm x 175mm / 5.5" x 7"
Angles available:	0-30 degree - weight 1.13 Kg / 2.5 lbs code: SV38 Alu/SS 30 deg 24-38 degree - weight 2.72 Kg / 6 lbs code: SV38 Alu/SS 38 deg 38-50 degree - weight 4.10 Kg / 9 lbs code: SV38 Alu/SS 50 deg

Ballast:	SV18 120 VAC 50/60 Hz 230 VAC 50/60 Hz
Cable:	Only required between the light and ballast (maximum distance 50 feet / 15 meters). High temperature silicone 18/3 shielded copper wire. Normal ships cable can be used from the ballast to the power supply.
Code:	SV 38/150 Alu/SS
Total shipping weight:	10-30 degree - 6 Kg / 13.5 lbs 24-38 degree - 7 Kg / 15 lbs 38-50 degree - 8 Kg / 17 lbs

Installation: Recommended at least 10" (250mm) below the waterline between 3-8 feet (1-2.5 meters) apart.

This is a guideline only, for specific requirements please contact us.

Note: Please specify voltage when ordering.

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



SV38 Weld-in Tank Light

120VAC/150W
240VAC/150W



Introduction:

Congratulations on the purchase of your new weld-in tank light for use inside ballast and fresh water tanks in steel or aluminum hulled vessels*. 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.

*Weld-in front flange material and angular range must be specified.

General Operating Information:

The 150W, HID, gas discharge lamp used in this light is not an instant re-strike lamp. This means that it must be allowed to cool for approximately 10 to 20 minutes after being shut off before being restarted. HID lamps generally require approximately 2 minutes to reach full brightness and should be left on for a minimum of 10 minutes. Failure to do so may cause the lamp to flicker when it is turned on the next time.

The light can be operated for a brief period of time while in a dry state, but, it is crucial that water surrounds the light to ensure proper lamp cooling. Also, the light can be operated while the vessel is underway.

Depending upon water clarity conditions, the light beam can reach up to 30 meters (100 feet).

General Safety Information:

This light must be welded into a steel or aluminum hulled vessel in accordance with common ship building practices.

Never try to install or remove this light while the vessel is in the water or if the light is surrounded by water.

High temperature silicone electrical cable must be used between the light and the ballast, standard ships cable can be used from the A/C power source to the ballast.

Upon proper installation, this light will become part of the vessels grounding and cathodic protection system.

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

The light should be inspected for moisture every six months.

The light electrical cabling and ballast box should be visually inspected for proper operating condition every six months.

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

Technical Specifications:

Lamp = 150 Watt - Metal halide - 12,000 Lumens - 7500 Kelvin color temperature - Approximately 3,000 hours life

Glass = Borosilicate glass - 12.7mm (0.5”) thick - 58mm (2.3”) diameter net aperture

Light Common Body Dimensions = 150mm (5.9”) diameter x 171mm (6.7”) long

Smallest Front Flange Dimensions = 100mm (3.94”) diameter x 25mm (0.98”) long

Largest Front Flange Dimensions = 140mm (5.51”) diameter x 213mm (8.39”) long

Construction = Stainless steel - Black anodized marine aluminum alloy - Bright dip anodized marine aluminum alloy

Power supply = 120VAC 50/60Hz input, 1.33 Amps - Minimum operating temperature -30°C (-22°F)

OR

Power supply = 240VAC 50/60Hz input, 0.59 Amps - Minimum operating temperature -30°C (-22°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 (except lamps). 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.

Underwater Lights USA, LLC
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Fax: 1-954-525-3261
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DOC:010207-4

Underwater Lights Europe Sarl
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06600 Antibes, France
Phone: 33-(0)-4-97-21-02-96
Fax: 33-(0)-4-97-21-10-96
Internet: www.seavision.com
Email: sales@seavisioneurope.com

Installation:

This light should be installed at minimum 250-300mm (10-12") below the light load water line by qualified/approved personnel using proper tools, welding procedures and materials. An access area of at least 100mm (3.94") should be left behind the light for lamp servicing and light cooling.

After selecting a location, cut an appropriate sized hole through the vessel hull. Note: Hole size will be defined by the specific weld-in Front Flange (20) that came with the light. Caution! Check that no electrical wiring, fuel lines, oil lines, water lines etc., pass near or through the intended hole location.

Place the supplied Front Flange (20) into said hole and following common ship building practices, permanently weld-in place. Note: Leave the factory installed block-off disk and protective cap on the supplied Front Flange (20) until final light assembly.

Final light assembly - Remove Front Flange (20) block-off disk, protective cap and clean all surfaces. Install two Glass Gaskets (6) (one gasket on either side of glass) Glass (5) and Glass Retaining Ring (4) using six fasteners (13) tightened in a "criss-cross" pattern to 9 Nm (7 ft/lbs) with a 5mm allen wrench. Screw Main Body Front (1) with Flange Gasket (7) onto Front Flange (20) and tighten to 40 Nm (30 ft/lbs). Note: Apply anti-seize compound to Main Body Front (1) internal threads. After making proper electrical connections (see ballast manual) route electrical cable through hydraulic tubing or hose and Male Connector (21), assemble Main Body Gasket (8) and Main Body Back (2) with remaining components to Main Body Front (1). Evenly tighten six Acorn Nuts (17) to 18 Nm (14 ft/lbs). Route and attach electrical cable conduit (hydraulic hose or equivalent) to Male Connector (21). Note: Upon completing light installation, it is highly recommended that the surface of Front Flange (20) around the glass aperture be coated with antifouling paint.

Serviceable Parts:

Lamp (11) replacement is done by removing (17) and (2) using "jack screws" (18), pulling old (11) out of (10), carefully pushing new (11) into (10) and reversing remaining procedure. Note: Evenly tighten (17) to 18 Nm (14 ft/lbs). Caution! Ensure that (11) is clean and free of dust, dirt, grease, oil, water and finger prints.

Glass (6) replacement is done by removing (17), (2) using "jack screws" (18), (1), (13), (4), (6) and (5) while the boat is out of the water. Upon thoroughly cleaning all surfaces, reverse said procedure to assemble the new Glass (5) and Glass Gaskets (6). Note: Evenly tighten (13) in a "criss-cross" pattern to 9 Nm (7 ft/lbs) and (17) to 18 Nm (14 ft/lbs).

MODELS F15_12C13-10A16B, 120VAC/150W & F15_12C13-11A16B, 240VAC/150W		
BALLOON	PART	DESCRIPTION
1	38001	MAIN BODY FRONT, SST*
2	38003	MAIN BODY BACK, SST*
3	38005	REFLECTOR TUBE, SST*
4	38007	GLASS RETAINING RING, SST*
5	38009	GLASS
6	38010	GLASS GASKET
7	38011	FLANGE GASKET
8	38012	MAIN BODY GASKET
9	38013	REFLECTOR
10	38014	LAMP SOCKET
11	38015	LAMP, 150 WATT
12	38017	PORCELAIN TERMINAL BLOCK
13	38018	M6 x 1.0 x 14LG SST SHCS
14	38019	M4 x 0.7 x 16LG SST SHCS
15	38019	M4 x 0.7 x 16LG SST SHCS
16	38020	THREADED STUD
17	38021	M10 x 1.5 SST HEX ACORN NUT
18	38022	M10 x 1.5 x 40LG SST SHCS
19	38023	M4 x 0.7 x 6LG SST PPHS
20	N/A	CALL TECHNICAL SUPPORT FOR APPROPRIATE FRONT FLANGE
21	38030 38085	FLARED CONNECTOR WITH METRIC THREAD FLARED CONNECTOR WITH INCH THREAD

*PLEASE CALL FOR OTHER LIGHT COMPONENT CONFIGURATIONS

