



UL Ti MATE 130 SA

'submersible through hull light'

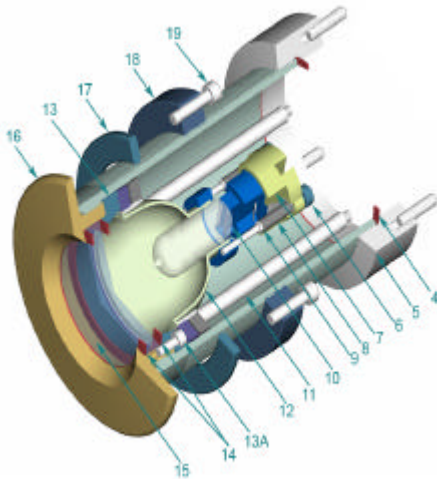


ORDERING NUMBERS

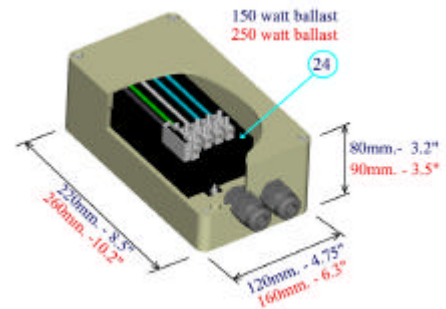
250 WATT LIGHTS - 120V. S00475-SA-V3W1. 230V. S00475-SA-V2W1.
150 WATT LIGHTS - 120V. S00475-SA-V3W2. 230V. S00475-SA-V2W2

- **UL Ti MATE 130 SA INSTALLATION** (The UL Ti MATE 130 SA should be no less than 250mm/10" below the water line)
- Qualified/Approved personnel must be used to carry out installation
- Cut and prepare a 4 inch / 100 mm clearance hole for the body (16). Coat the flange of the body and the area around the hole with 3M 4200FC sealant then slide the body into the hole. From the inside fit the compensating ring (17) and screw the securing ring (18) up "hand tight". Adjust the screws (19) so the compensating ring is flush to the hull and check the sealant has flowed completely around the flange. Do "NOT" over tighten the screws as this will squeeze the sealant from the surface. Allow the sealant to solidify and remove surplus. Finally tighten the adjustment bolts to 4Nm / 3ft.lbs
- Note for cored hulls - After cutting, the exposed surfaces of the hole must be finished to form a solid surface through it, thus protecting the internal core of the hull.
- Maximum hull thickness should not exceed 4.75 inches - 120mm Minimum wall thickness 0.375inches.- 10mm
- After completing the installation procedure it is highly recommended to coat the exposed body with antifouling and bond them to the anodes or a cathodic protection system if fitted.
- **OPERATIONAL CONDITIONS AND CONSIDERATIONS**
- The UL Ti MATE 130 is serviced from inside the hull. Allow a minimum of 170mm behind the cable gland for lamp replacements on 150w and 150mm behind the ignitor on 250w
- **ELECTRICAL INFORMATION**
- **150 WATT** Maximum distance between ballast and projector with the shield earthed 10 meters.
- **250 WATT** Maximum distance between ballast and projector 25 meters.
- Ballast power 150 watt ballast 120/230 volt, running current 1.4/0.7.A
- Ballast power 250 watt ballast 120/230 volt, running current 2.4/1.2.A
- Ballast will not ignite a hot lamp. The ballast has a cycle of three attempts to ignite the lamp then will wait for four minutes before repeating the cycle.
- Do not attempt to remove the glass lens while afloat.
- The projector must be correctly assembled with lid and secured to the UL Ti MATE 130 SA whilst afloat.
- **CABLE SPECIFICATION TO PROJECTOR**
- **150 Watt** High temp silicone three core part number. S00111
- **250 Watt** Two core 1mm square. maximum diameter 6mm

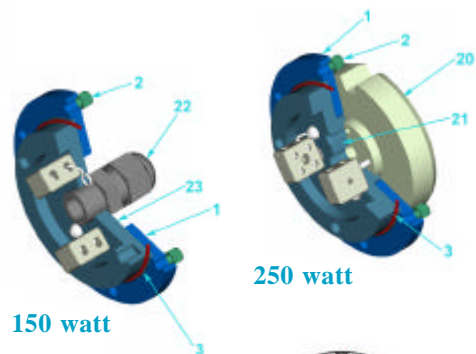
Part Description 130-SA	Part No
1: Projector lid securing plate	00283-B
2: M6 Nut	93381
3: 'O' Ring	00108
4: Gasket NAF	00285-A
5: Connecting ring	00274-C
6: Lamp holder screw	00290
7: Lamp holder (250W)	91195
7: Lamp holder (150W)	91191
8: Reflector collar bush	00288-A
9: M4 Lock nut	93374
10: Lamp (250W)	91209
10: Lamp (150W)	91210
11: Reflector adjustment rod	00284-2-D
12: Reflector complete	S91791
13: Glass retaining ring	00476-B
13A: Cap head screws	93325
14: Glass gaskets NAF	00281
16: Body	S00475-A
17: Compensating ring	00277
18: Securing ring	00275
19: Cap head screws	93610
20: Ignitor (250W)	S95325
21: Projector cover (250W)	00102-H
22: Gland	00107
23: Projector cover (150W)	00102-E
24: Ballast 250 watt	S00800-V1W2
24: Ballast 150 watt 230v	S00800-V2W2
24: Ballast 150 watt 120v	S00800V3W2



Recommended Spares	Part No
Lamp (250w = W1)	91209
Lamp (150w = W2)	91210
Glass with gaskets	S00281-A
Ballast	S00801



ELECTRONIC BALLAST COMPLETE WITH IP65 ENCLOSURE



150 watt



250 watt

LENS FITTING INSTRUCTIONS

- Check the glass landing surface is clean and apply a suitable silicone grease to the gaskets.
- Fit the glass, gaskets and retaining ring as shown above. Hand tighten the screws with an Allen key making sure the glass retaining ring is square. Torque the screws to 6 Nm (4.5ft/lbs) in the sequence shown, check the ring again and re-torque the screws again to the same setting



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