

Section B14 Electrical

B14.1 Mast Lights

The following range of lights has been selected as the first priority for use by Allyacht Spars Australia, based on quality, ease of use, and cost-effectiveness. For further information, go to [www.aquasignal.de](http://www.aquasignal.de) or [www.ronstan.com](http://www.ronstan.com)

| <u>DESCRIPTION</u>                     | <u>PART NO.</u> | <u>BRAND</u> | <u>MANUFACTURER'S PART NO.</u> |
|--|-----------------|--------------|--------------------------------|
| Anchor - large                         | 014.052.A       | Aqua Signal  | 3506032                        |
| Anchor - small                         | 014.051.R       | Ronstan      | RF2075                         |
| Tricolour / Anchor / Quickfit          | 014.055.AQ      | Aqua Signal  | 3514952                        |
| Tricolour / Anchor / Strobe / Quickfit | 014.054.A       | Aqua Signal  | 3547952                        |
| Tricolour / Anchor / LED / black case  | 014.3808002     | Aqua Signal  | 3808002                        |
| Tricolour / Anchor / LED / white case  | 014.3808102     | Aqua Signal  | 3808102                        |
| Streaming / Deck Combo                 | 014.058.A       | Aqua Signal  | 3106012                        |
| Steaming - small                       | 014.056.A       | Aqua Signal  | 3516002                        |
| Steaming - large                       | 014.057.A       | Aqua Signal  | 3540002                        |
| Deck Flood - forward mount             | 014.059         | Aqua Signal  | 3144001                        |
| Deck Flood - spreader mount            | 014.059.12V     | Aqua Signal  | 3134112                        |
| Under boom                             | 014.062         | Custom       |                                |

|   |   |
|---|---|
|  <p>Anchor Light</p> |  <p>Steaming/Deck Combo with Light Protector</p> |
|---|---|

B14.2 Light Mounting Brackets & Protectors

Some lights require a flat mounting surface, in which case a Light Mounting Bracket is used. Light Protectors, as their name suggests, protect Mast Lights from damage caused by sails, ropes, or even birds.

| <u>PART NO.</u> | <u>DESCRIPTION</u>          |
|-----------------|-----------------------------|
| 014.056.H.A     | Light Mounting Bracket      |
| 014.060         | Light Protector small       |
| 014.060.L       | Light Protector large       |
| 014.060.XL      | Light Protector extra large |




Light Protector

### B14.3 Radar Mounting Brackets & Protector Rings

A Radar Bracket is normally fitted to the mast, but can be fitted to a Forward Jumper strut, or spreader or diamond. Most radars will fit either of the two sizes of bracket supplied by Allyacht Spars Australia. However as there is a wide range of radars available, each Radar Bracket will be customised.

A Radar Protector Ring will be required on boats where the radar scanner is not protected by the Forward Jumper wire and/or diamond wires. Each Protector Ring will be customised to suit the particular radar and mast.

| <u>DESCRIPTION</u>                      | <u>SUIT SCANNER<br/>Max Dia (mm)</u> | <u>PART NO.</u> |
|---|--------------------------------------|-----------------|
| Radar Bracket - mast mounting large     | 600                                  | 014.072         |
| Radar Bracket - mast mounting small     | 450                                  | 014.071         |
| Radar Bracket - Forward Jumper mounting | 450                                  | 014.070         |
| Radar Protector Ring 600mm              | 600                                  | 014.073         |
| Radar Protector Ring 500mm              | 500                                  | 014.074         |
| Radar Protector Ring 300mm              | 300                                  | 014.077         |



Radar Bracket -  
mast mounting small  
014.071

### B14.4 Wiring And Fittings

**Conduit Kits** are for installation in a mast to carry electrical wiring. Each kit unit is a 4 metre length of conduit plus fasteners, and is sized (diameter) according to how many wires need to be run, which is usually in proportion to mast size.

A **Mast Wiring Exit** is an aluminium tube that fits neatly to the outside of the mast, enabling electrical wiring to exit the mast. On a deck-stepped mast, it is generally fitted just above the Heel Plug (an alternative is to run the wiring through the Mast Base and deck into the cabin). On a keel-stepped mast, it may be fitted just above the Mast Collar or alternatively on the mast below the deck.

A **Deck Wiring Exit** is similar in construction and used in conjunction with a Mast Wiring Exit above deck level. The two fittings are joined by a flexible conduit, enabling the wiring to be protected as it is led out of the mast and through the deck.

| <u>PART NO.</u> | <u>DESCRIPTION</u>          | <u>USE</u>  |
|-----------------|-----------------------------|---|
| 014.003.1       | Conduit Kit (4 metres) 25mm | Generally suitable for mast sizes up to IM15          |
| 014.004.1       | Conduit Kit (4 metres) 32mm | Generally suitable for mast sizes from IM16 to AYS235 |
| 014.005.1       | Conduit Kit (4 metres) 40mm | Generally suitable for mast sizes AYS250 and above    |
| 014.025         | Mast Wiring Exit 32mm       | Generally suitable for mast sizes up to AYS235        |
| 014.027         | Mast Wiring Exit 40mm       | Generally suitable for mast sizes AYS250 and above    |
| 014.026         | Deck Wiring Exit 32mm       | Generally suitable for mast sizes up to AYS235        |
| 014.028         | Deck Wiring Exit 40mm       | Generally suitable for mast sizes AYS250 and above    |
| 014.001         | Coax Cable for TV           | Connects TV aerial to TV                              |
| 014.013         | Coax Cable for VHF          | Connects VHF aerial to VHF radio                      |
| 014.016.5       | Coax Plug for VHF           | Connects Coax Cable to VHF aerial and to VHF radio    |



Mast Wiring Exit  
014.025

### B14.5 Electrical - Miscellaneous

| PART NO.  | DESCRIPTION          | NOTES                            |
|-----------|----------------------|----------------------------------|
| 014.016P  | VHF Aerial           | GME AE31; Includes 2 Coax Plugs  |
| 014.017   | TV Antenna Kit       | Glomex 10" V9125; with 25m Cable |
| 014.017.1 | TV Antenna; No Cable | Glomex 10" V9125; No Cable       |
| 014.017.2 | TV Coax Cable        | Glomex RG-6Q/U TV Coax Cable     |
| 014.210-7 | Blipper              | Furdell 210-7 Radar Reflector    |