Sealite Pty Ltd
p: +61 (0)3 5977 6128
e: info@sealite.com.au
www.sealite.com.au
www.sealiteusa.com

Technical Bulletin

Issue Date: February 2010

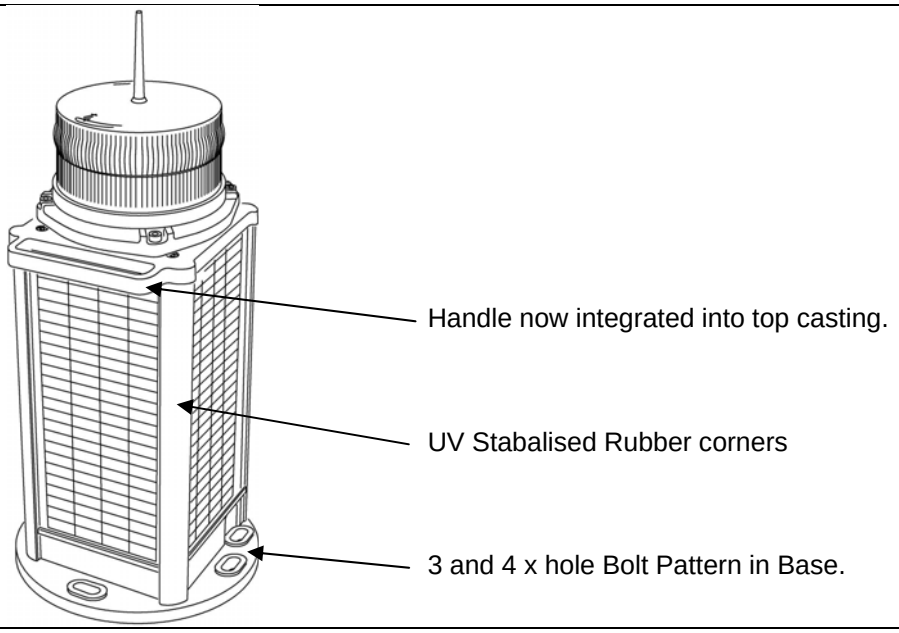
Model No: SLC420 *Issue:* SLC4200210

Model Name: Compact 4-5+nm Solar Marine Lantern

Reason for Bulletin:
[X] New Product Options [ ] Certification Change [ ] Test Procedure
[X] Product Improvement [ ] Instruction Revision [ ] Other:

Description of Change	*Reason for Change*	*Effective Date*
New Base allows for Both 3 and 4 x Hole Bolt Patterns	2010 sees a number of enhancements to the SLC420. We have redesigned the base to allow for both 3 or 4 x hole bolt patterns for the industry standard 200mm (8") bolt pattern. Due to the hole pattern changes and the addition of 4 x polycarbonate filler panels below the Solar Panels, the overall height has increased to 570mm.	March 2010
New Internal Chassis	The biggest change to the SLC420 is how the solar housing is assembled. Previously, the solar panels created the 4 x walls of the housing. Sealite now has a new internal aluminium chassis. This gives Sealite a much stronger unit. The solar panels can now be independently replaced, in the unlikely event they are damaged. *See Page 2 for instructions* The chassis also allows for the addition of an optional External ON/OFF switch or an optional External Charging Port.	March 2010
New LED manufacturer for Red and Yellow	In conjunction with next-generation LEDs, Sealite has made changes to the driving circuitry of the SLC420 to allow the fixture to achieve superior intensity levels. The SLC420 can now achieve the following Peak Intensities Red = 119cd Yellow = 114cd Green = 134cd White = 128cd	March 2010

Image:



Prepared By: Andrew Dixon *Position:* Quality Assurance Manager *Date:* 18 Feb 2010

Solar Panel Replacement

The SLC420 and SLC310 are now built around an internal aluminium Chassis,
The solar panels can be replaced in the unlikely event that one is broken or damaged during the product life.
Follow the steps below or contact support@sealite.com.au for more details.

1. Remove 4 x Socket Head Cap Screws and disconnect the Light Head from the Chassis
2. Remove the Upper Battery Bracket, containing the Junction Box and Regulator.
3. Disconnect the battery

4. Remove 4 x M6-35mm Long Socket Head Cap Screws, to remove the Top Casting from the Chassis.

Note:
Be careful not to damage the o-rings on each of these screws. If replacements are required please use standard 6x1.0mm o-ring.

5. Slide the Rubber Corner out of the Chassis, it may be necessary to lubricate the edges of the Solar Panels with grease or oil based lubricant if this is difficult to remove.
6. Remove the junction box cover from the Upper Battery Bracket. Unsolder or disconnect the solar panel and remove it from the Chassis.

7. Clean any silicon off the Chassis from the solar Panel Junction Box Hole and add a new seal to ensure the solar panel is watertight when assembled.
8. Repeat the process in the reverse order to replace a new Panel.

Note:
Make sure the O-rings on the Top Casting and 4 x M6-35mm Long Socket Head Cap Screws are coated in Silicon Grease before re-assembling.

The replacement of a solar panel should only be performed by a confident technician.
Solar Panel replacement is undertaken at customer's own risk, Sealite will only guarantee an IP68 rating if this is undertaken by Sealite Personnel.
To test for any leaks remove the gore vent and pressurise the assembled Light to 1.5psi.