



## SL60 Solar Marine Light Moreton Bay, Queensland, Australia



### PROJECT OVERVIEW

<b>Location:</b>	Australia
<b>Date:</b>	October 2009
<b>Owners:</b>	Maritime Services Maritime Safety Queensland
<b>Site:</b>	Moreton Bay, Queensland
<b>Product:</b>	SL60
<b>Application:</b>	Navigation mark for a secondary shipping channel

### BENEFITS

- Even in extraordinary circumstances Sealite's high rating of IP68 ensures their lanterns remain waterproof
- Built to last, Sealite's lanterns are able to survive the elements

**Maritime Safety Queensland were amazed when they retrieved the lantern and it was still operational after such a long time submerged underwater!**

**Sealite Lanterns have an IP rating of IP68, the highest waterproof rating for lanterns required by the marine industry.**

## Maritime Safety Queensland finds SL60 Still Operating after Three Weeks Submerged Underwater!

As a testament to Sealite's IP68 waterproof rating a SL60 Solar Marine Lantern was still found to be operational after spending nearly a month submerged in 5 meters of water.

The beacon on which the lantern was positioned was one of the navigation marks within a secondary shipping channel in Moreton Bay and was suspected as being knocked over by a wayward mariner. As the seas were too rough to recover the beacon immediately a temporary buoy was deployed and a notice to mariners was issued until the destroyed beacon could be retrieved some 3 weeks later.

Although looking a little worse for wear and covered in marine growth, the Brisbane region Manager for Maritime Safety Queensland advised that the lantern was still functioning when it was recovered by his operations staff.

Moreton Bay is a large bay and designated Marine Park on the eastern coast of Australia situated approximately 25kms from Brisbane CBD in Queensland. The islands located in Moreton Bay offer pristine beaches and some of the most beautiful coastlines in the world and are a popular destination for tourists, divers and recreational anglers.

## IP68 Waterproof Rating

The International Protection Rating (or IP Code) is an international standard used to classify the degree of protection provided against the intrusion of solid objects (such as dust) and water in electrical enclosures. This standard helps to provide users with a more detailed explanation for products other than the vague term 'waterproof'.

The first digit represents protection against ingress of solid objects. 6 means the item is 'dust tight' and gives complete protection against dust entering the object.

The second digit represents the degree of protection against the ingress of water. 8 signifies the object is able to be immersed continuously in water.