



Your ***lumi*** contains a powerful microprocessor which downloads data from the National Buoy Data Center and analyzes it to determine when the next big storm will hit Utah. The particular buoy that your ***lumi*** follows is 51101, an oceanographic observation buoy off the coast of Hawaii. It has been nicknamed the Powder Buoy by many skiers in Utah because of the strong correlation between the buoy's predictions and large storms in Utah. When a large storm passes over 51101, it usually experiences a sharp increase in wave height. The wind patterns in our atmosphere tend to sweep these storms towards the intermountain west, and they end up in Utah almost 80% of the time. The time it takes for the storm to travel from 51101 to Utah is also very consistent – about two weeks.

lumi is designed to give you a heads up when snow is headed to Utah by monitoring and analyzing the data from 51101. Normally, the lights on top flash green. It slowly flashes blue when a storm is 10 days away. When that storm is 4 days away, it quickly flashes blue. And when that storm makes it snow in Utah, ***lumi*** can't help but celebrate! The lights will flash rainbow colors to signal that it is snowing that day. If more than one event is taking place, like a storm is 10 days away and it is also a powder day, ***lumi*** will display the lights for the closest event. In the scenario we mentioned before, ***lumi*** would flash the powder day light code.

Don't panic if you see a storm ten days out, but when it gets to four days away the lights aren't flashing blue. ***lumi*** automatically checks the weather when a storm is nearby to make sure the prediction is accurate. If the storm got swept above or below Utah, the prediction will be cancelled, and ***lumi*** will flash green as usual.

lumi is designed to operate as smoothly as possible, but we do need your help for the initial setup. Plug ***lumi*** and wait for the lights to start flashing green. Next, make sure you have your Wi-Fi network name and password available. Download the BerryLan app from the app store on your device. Launch the app, and look for 'BT wlan setup' to appear, and select it. Next, select your Wi-Fi network from the menu and enter the password. That's it! Unless you change your password or bring ***lumi*** to a place outside your network, you should be all set.

It's very important that you never unplug ***lumi*** without turning it off first! To turn ***lumi*** off, just press the button at the center of the tower. Wait until at least 30 seconds after the lights on top go out to unplug ***lumi***. The lights on the tower are the only way ***lumi*** can communicate with you. Here the light codes ***lumi*** is programed with and what they mean.

	Light Code	What Does it Mean?
Storm Codes	Short Green Flashes (~1 sec)	Normal operation.
	Short Blue Flashes (~1 sec)	Four days until predicted storm.
	Long Blue Flashes (~3 sec)	Ten days until predicted storm.
	Rainbow Spectrum	Predicted storm lands today. It's a powder day!
System	Blinking Green, Blue, Green	Automatically restarted. Should not persist for more than two hours.
	Blinking Green, RGB, Green	Successfully received software update. Should not persist for more than one day.
Errors	Alternating Red and Blue	Internet connection error. No known networks available.
	3 Short Red Blinks	Fatal data analysis error. Unable to generate prediction.
	Long Red Flashes (~4sec)	General error state. Should not persist for more than two days.