

Shaklite Portable Worklamp

An unusual device, designed for use by civilian technicians and others working in cramped, dark conditions where getting proper lighting is impossible.

Designer: [Shimizu Fleet Yards](#) Manufacturer: [Shimizu Fleet Yards](#) Price: 28~50 [KS](#) Year of Production: [YE 31](#)

Nomenclature

Name: Shaklite Portable Worklamp, Mk I Nomenclature: SA-G1-1a Type: Mechanically powered light. Role: Illumination in non-optimal conditions. Length: 7 inches Mass: 500g

Appearance

Looking akin to a glow-stick with a handle, the Shaklite was not designed with aesthetics in mind, instead attention was turned to making the mechanism as simple and reliable as possible while also making it easy to produce. The device is about seven inches (7") long, and resembles a long cylinder with a slight widening where the handle meets the LED. Three inches (3") of the length are taken up by the handle, which contains the induction motor and capacitor, on the outside is a small switch used to turn the device on or off. Above the handle is a LED with a relatively large cover filter designed to channel the light most efficiently out of the device.

Operation

The device is shaken lengthwise to work the induction motor and charge the capacitor, then the switch is turned on to activate the LED. About thirty seconds of stern shaking is enough to power the device for five minutes, assuming the capacitor is undamaged.

How the hell does it work?

The induction motor operates on the law of induction, using a tiny rare earth magnet sliding back and forth through a solenoid when shaken, inducing a charge and sending it into the capacitor, where it is stored temporarily. When the switch closes the circuit, the current is fed through the LED.

Customization

While not orginally designed for customisation, several different colour filters are avialable for purchase. These are not supported by the manufacturer and must be attached by themselves. Construction is simple enough that a skilled owner could change to LED if they wanted, again, not supported by the manufacturer.

History

The Shaklite is a bit of a black sheep with SASI, usually known for their ship designs a small torch was an odd occurance. However, in an effort to generate enough capital for larger ship designs, SASI released a small, easy to produce product to fill a niche market, the Shaklite being the product of choice.

OOC

Changelog

dd/mm/yy - Description

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