LEH3
(Epishine's Light Energy Harvesting modules optimised for ambient indoor light)

•Epishine's organic indoor light energy harvesting modules (LEHs) are the result of 30+ years experience of research in printed, organic electronics and photovoltaics. Epishine LEHs are flexible and can be used alone or in conjunction with capacitors to replace batteries or prolong their lifetime in low-power applications.

Ideal for powering wireless indoor low-power applications, such as IoT devices, various sensors, etc.

•Reduces environmental impact by up to 97% and cuts maintenance costs by replacing batteries in wireless devices.

•Intended for use indoors and under indoor light conditions, e.g. office, supermarket, home, etc.

•Flexible, compact and lightweight design with 0.2 mm thickness.

•Available in 6 standard sizes: 20, 30 and 50 mm with 6 or 8 cells.

•Semi-transparent module area for easy integration.

See document: LEH3 product brief.pdf

LEH3 Evaluation kit

Watch the Video: https://youtu.be/c0tPQ0Q8h10

The evaluation kit is designed to show how our Light Energy Harvesting (LEH) modules can power indoor wireless low-power devices that are normally powered by batteries. It combines Epishine LEH modules with a supercapacitor as an energy buffer and intelligent charging management to support various output voltages and energy storage solutions. It can even use an external primary battery as a backup. The evaluation kit can deliver sufficient output current to power most low-power radios such as BLE, Zigbee, LoRa and similar. It is thin and flexible to showcase the unique product integration and design possibilities of Epishine light energy harvesting modules.

See document: LEH3 evaluation kit.pdf