

How does Energeni benefit me as a lighting owner?

With LED technology maturing, the best way to realize further energy savings is to control the light to where and when needed. Energeni's main purpose is to dim the fixture at a certain time every evening, saving energy costs when full light output is not needed. The reduced power also extends the life of the LED lamps and other fixture components.

Will Energeni turn the fixture on and off?

Energeni will not switch power to the fixture, and typically the fixture must be switched on and off daily based on light (photocontrol) or time for Energeni to work properly. Energeni's basic function is to dim the fixture after a certain delay.

How does brightness correlate to energy savings?

The brightness % and energy savings are approximately reversely proportional in nature. For example, 20% brightness would equal a reduction of energy by 80%.

Do I need any additional equipment to program Energeni?

The Energeni does not require any additional cords or computers for programming. Based on how the system is ordered, the unit is pre-set from the factory. It can also be changed in the field by adjusting the dip switches or by switching the power as outlined in the instruction sheet.

Is it compatible with all AC input voltages?

It is compatible with all AC voltages. Energeni works within the dimming circuit so it is not dependent on the incoming voltage.

How does Energeni know the time?

Energeni uses a formula to calculate the midnight time based on hours of operation. It must be used with a photo sensor control when utilizing one of these variable delay settings. Once installed, Energeni will calibrate the time over three nights of operation. As an alternative, Energeni offers fixed delay options for use with circuits that are switched by clock time.

Why would I use the set dimming option?

The set dimming option is a good choice for applications where you want to maximize energy savings at the initial installation and then have the ability to switch to 100% as the system ages. It is also a good choice for applications where they may want to lower the light levels in certain areas such as the back of buildings or along perimeters that are bordering a residential area.

Will it work with any 0-10V dimming driver?

Energeni will work with any 3 wire 0-10V dimming driver. The third wire to the driver's 10-12v auxiliary power circuit is required to power the Energeni. See wiring diagram in the [Energeni instruction sheet](#).

Will it work with a motion sensor?

The Energeni is designed for applications where you want a simple step-dimming solution. It cannot be used in conjunction with a motion sensor.

Can you reprogram without opening the fixture?

The unit can be programmed without having to reopen the unit. The instructions sheet shows the steps of how to reprogram by switching the power on and off in a set timeframe. [Download the full instruction sheet here at www.beaconproducts.com](http://www.beaconproducts.com).

Do I have to buy a Beacon fixture to get Energeni?

The Energeni is available with most Beacon Products as a standard option. Other products will need to be evaluated to see if Energeni can work. Energeni can be ordered as a separate item and installed in the field as long as the driver is compatible.

FAQs



How does Energeni wire into an existing fixture?

Energeni is provided with a wiring harness that would need to be tied-in to the 3 wires off of the dimming driver. A wiring diagram is available in [the instruction sheet and is available online](#).

Can you customize the dimming options?

The Energeni is provided with a choice of 32 pre-programmed options. It is possible to provide a custom program but would need to be reviewed based on the size of the project and the opportunity.

Does Energeni comply with CA title 24 requirements?

In certain applications above 24 feet or below 75 watts, the Energeni could comply with the requirements. It is not recommended for applications that require the use of dimming motion sensors.

Does Energeni meet ASHRAE control requirements?

In some applications, Energeni can be used when the lighting must be reduced by at least 30%.