

# How do you define sustainable lighting?

## sus•tain•a•ble light•ing [lit'-kən-trōl]

- adjective - noun -

Lighting systems that provide high quality visual environments with limited impact on the natural environment. Includes:

**a: Control solutions** - integrated daylight harvesting, occupancy sensing, and AV switching controls

**b: Cradle to Cradle** - third party certification of sustainable product design and manufacturing practices

**c: LiteCycle** - new materials with increased recycled content and reduced life-cycle impact

**d: Literature** - printed at local, FSC Certified printers on 100% post-consumer recycled paper that is manufactured with wind power

**e: Renewable energy** - manufacturing facilities that include renewable energy in their energy source

**f: Spatial envelope** - systems that light architectural ceiling and wall surfaces for comfortable, pleasant environments

**g: Made in USA** - US-based factories that exceed strict environmental regulations

Related forms:

sustain noun, sus•tain•a•bil•i•ty noun

## sus•te•nance

n. **a:** food, nourishment **b:** a supplying with the necessities of life **c:** something that sustains or supports

## su•ture

n. **a:** material or a wound together **b:** a which two things if by sewing

## su•zer•ain

n. **a:** a feudal lord political control relations of another form: suzerainty

svc or svce abbr.

**svelte** adj [F, fr. sveltere to pluck ellere, fr. e-ou slender, lithe

svgs abbr. savings

SW abbr. **a:** shortw

**swab** n. **a:** mop **b:** a rial esp. for a cleaning; also: swab **c:** sailor

**swab** vb. **swabbed;**

: mop swaddle

bind (an infant

wrap up : swat

**swaddling clothes**

wrapped around

**swag** n. : stol

**swagger** vb. **a:** t

swing or stru

LITECONTROL

... sustainable lighting defined

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**Control Solutions** – Our control solutions provide creative ways to save energy and match the lighting to the specific needs of a space. Our solutions include infrared or ultrasonic occupancy sensing systems, photosensors for daylight harvesting, digitally programmable controls, and audio-visual switching solutions for classrooms and conference rooms.



**Cradle to Cradle** – C2C Certification is a third-party program that assesses multiple attributes of product design and manufacturing. It must be renewed every year, assuring ongoing improvements in sustainability. All lighting fixtures that Litecontrol produces in our MA factories are C2C Silver Certified. Certification programs help move beyond the “green wash” marketing claims that are so common today.



**LiteCycle™ LiteCycle Materials**– LiteCycle resin, made of 50% recycled content including 5% post-consumer material, is used for the baffle of our Radi-X fixture. LiteCycle wiring, developed exclusively for Litecontrol, eliminates the PVC-based wiring material used by all other manufacturers. Leading sustainability groups consider PVC, sometimes called “the poison plastic,” to be one of the worst materials used in building products. Litecontrol is the first lighting company to eliminate PVC from the fixture wiring.



**Literature** – While other manufacturers use offshore printing, Litecontrol works only with local FSC Certified printers. This assures us that our print vendors are environmentally responsible and it reduces the impacts of shipping from non-US locations. We print on 100% post-consumer recycled paper that is manufactured with wind power.

**Renewable energy** – For several years, Litecontrol has participated in the Green-e Certified Wind Power program, helping to offset some of our reliance on fossil fuels. And we are evaluating our own wind turbines or photovoltaic systems as we strive to transition to more sustainable forms of energy.

**Spatial envelope** – Sustainable lighting must create comfortable, pleasant visual environments, while minimizing the impact on the natural environment. To this end, we continue to develop solutions that emphasize lighting architectural surfaces to fully address the visual, psychological and emotional needs of people who experience the visual environment.

**Energy-efficient US-Made Fixtures** – Perhaps the biggest environmental impact of lighting is the energy used during operation. We design our fixtures with the latest optical and thermal techniques to achieve 85-95% efficiency ratings with our most popular types, saving energy during operation. We produce these fixtures at our two factories, located south of Boston in rural and residential areas.

At both factories, we have implemented a system that recycles rinse water instead of discharging it into the surrounding environment. We have installed powder-coat paint lines that produce no VOC emissions or hazardous waste. We recycle our trimmed or unused steel and aluminum. And we do all this while continuing to create and maintain jobs right here at home.

Some lighting companies operate factories beyond the borders of the US, often in places with lower environmental standards, and with increased embodied energy due to long-distance shipping. The short-term cost savings this can provide comes with long-term environmental costs that we frankly find unacceptable.



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This brochure was printed on Mohawk Options 100% PC White. Contains 100% postconsumer waste fiber and is manufactured with windpower.

