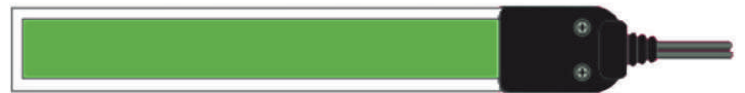
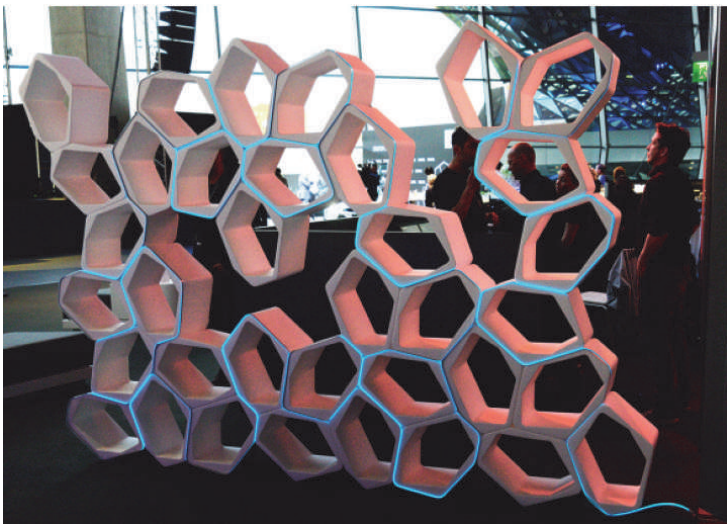
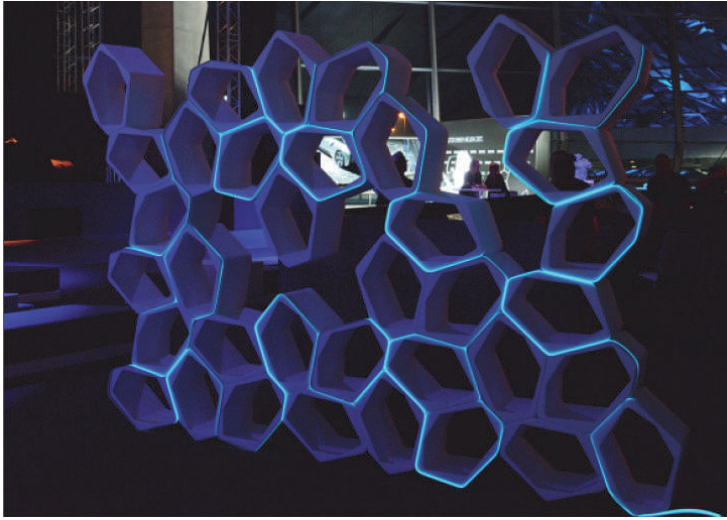




LIGHT STRAP



WHAT IS LIGHT STRAP?

The thinnest, widest, and longest, light in the world. Light Strap lamps redefine electroluminescent technology.

Manufactured utilizing a novel continuous coating process resulting in ultra-low profile, lightweight panels and strips that seamlessly and evenly illuminate from edge to edge over long distances.

The philosophy behind the product is simple: a light's form factor should not restrict design or artistic vision.

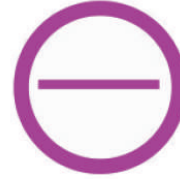
With Light Strap, you have the possibility to turn anything into light.

Prepare To Be Illuminated.

Light Strap will change the way you think about lighting.



Easy Installation: Flexible illumination of 30m (100 feet) or more with a single connection. Cut your installation time by 75%.



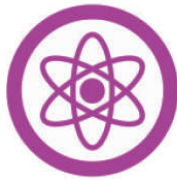
Thin & Wide: Thinner than a credit card and nearly a meter wide. Light Strap can fit into any tight area and cover any surface with ease.



Unmatched Durability: Heavy load capable, vibration and impact resistant. Able to withstand punctures and piercings temporarily.



No Heat Problems: Unlike LEDs, Light Strap can run for 40,000 hours and never get hot. Plus, it operates in extreme temperatures.



Energy Efficient: Light Strap uses 40% less power than traditional LEDs at equal brightness.



Even Illumination: No hot or cold spots at any size, a uniform light source without the need for diffusion.

Light Strap lamps set a new standard in EL.



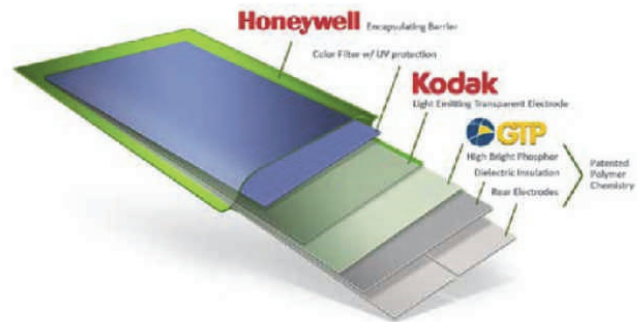
Compared to alternative EL technologies, no one comes close to our quality or performance. We start by employing only the best materials to deliver amazing performance. We have a unique manufacturing process, a departure from traditional batch silk screening. Would you want your light made on the same machine as a T-shirt printer? We don't either, but that is how most alternate EL lamps are made.

NOVEL CHEMISTRY

Light Strap's one-of-a-kind chemistry is protected by numerous patents. Our material's layers are bonded at the chemical level, producing a brighter, more durable lighting source. Light Strap is a true solid state system. Other EL manufacturers glue the rear electrode, which easily separates with flexing or temperature changes, leading to electrical failure.

BEST MATERIALS

Only the best phosphors and conductive materials are used in Light Strap. The combination produces a brighter, more durable light that uses less energy. Other EL producers use low grade phosphors and poor conductive materials resulting in non-uniformity of brightness and poor energy efficiency, not to mention much shorter lifetimes.



UNPRECEDENTED LIFETIMES

We are producing a lamp that is built to last, able to withstand the toughest applications.

Avoid common lighting issues with Light Strap



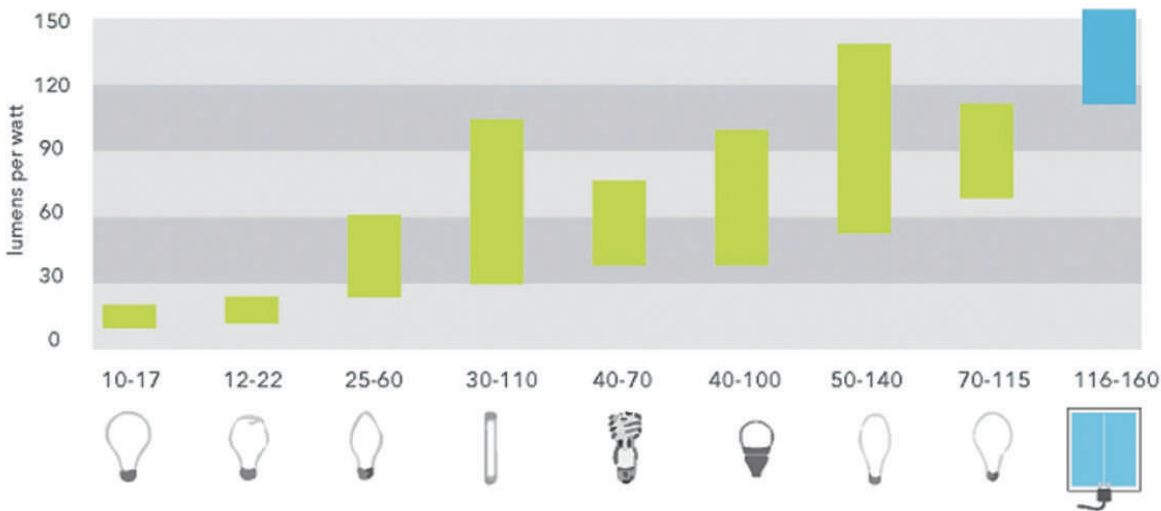
There are dozens of things that cause an LED or fluorescent lamp to fail that do not affect Light Strap.

Energy Consumption



Light Strap is an incredibly efficient flat accent light, with an evenly illuminated surface. Other light sources, like LEDs, directionally emit light with a great deal of the desired light either wasted or diffused in order to accomplish even illumination. When comparing the surface brightness of an accent light, there is nothing more efficient than Light Strap.

HIERARCHY OF TRADITIONAL MEASUREMENT OF BRIGHTNESS



LIGHT STRAP VS. LED ENERGY CONSUMPTION BY AREA

	ACCENT LIGHTING				BACK LIGHTING	
	LIGHT STRAP	LEDs	LIGHT STRAP	LEDs	LIGHT STRAP	LEDs
ILLUMINATED WIDTH	2.54 cm	0.8 cm	1.27 cm	0.8 cm	100% backlit	edge lit
AREA/LENGTH	1 linear meter	1 linear meter	1 linear meter	1 linear meter	square meter	square meter
ILLUMINATION SOURCE	100% phosphors	30 LEDs	100% phosphors	60 LEDs	100% phosphors	240 LEDs
CURRENT - AMPS	0.01	3	0.005	6	0.5	24
TOTAL WATTS	1	7.2	0.5	14.4	44	57.6
ILLUMINATION COVERAGE	100% even	2 cm gaps	100% even	1 cm gaps	100% even	30% dimmer in center

*Light Strap data based on full brightness. Consumption results can be much lower when dimming.

LIGHT STRAP POWER CONSUMPTION BY SURFACE AREA

BRIGHTNESS	A	B	C	D
	W/in ²	mA/in ²	W/cm ²	mA/cm ²
HIGH	0.028	0.342	0.0043	0.0530
AVERAGE	0.016	0.191	0.0025	0.0296
LOW	0.011	0.133	0.0017	0.020

Total Watts = (A or C) x surface area
Total Amps = (B or D) x surface area

Light Strap consumes power in a linear fashion. With every increase in areathre is an equal increase in energy required to illuminate. Multiply the illuminated surface area by the multiples to get total watts and amps.

Technical Specifications



Light Strap Physical Specifications	
Thickness (varies depending on color)	0.010 to 0.020 inches / 0.254 to 0.305 millimeters
Protective Encapsulation Seal	1/4" (6.35mm) on each side (+/- 1/16 inch, +/-0.159 cm)
Light Strap Illumination Width	0.25" to 30" / 0.625 to 76.2 cm
Illumination Coverage	Infinite, can be tiled without a break in light
Power System	
Light Strap Load	Capacitive Load
Phase Angle	78° Leading Edge
Light Strap Average Power Consumption by Area	0.023 watts per in2 / 0.0035 watts per cm2
Light Strap Amperage Consumption by Area**	0.19 milliamps per in2 / .0296 milliamps per cm2
Light Strap Watts per Linear Meter at 2.54 cm wide	0.4 to 1.1 watts based on low to full brightness dimming
Light Strap Watts per Square Meter 16 to 50 watts based on low to full brightness dimming	16 to 50 watts based on low to full brightness dimming
Light Strap Output Voltage (dimmmable)	250 Volts AC, +/- 50 Volts AC
Light Strap Operating Frequency	800 Hertz, +/- 300 Hertz (depending on tuning)
AC Driver Input Voltage Range	90 to 260 Volts AC
DC Driver Input Voltage Range	3 to 24 volts DC (12 Volts DC standard)
Power Source	Smart DC Power Supplies
Controllable	Dimming, 0 to 10 Volts DC and DMX 512 Capable
Light Strap Performance	
Useful Life - Hours 20,000 hours to excess of 40,000 hours	20,000 hours to excess of 40,000 hours
Useful Life - Years up to 20 years (dependent on drive parameters)	up to 20 years (dependent on drive parameters)
Average Brightness	125 cd/m2
Brightness Range 0 to 200 cd/m2	0 to 200 cd/m2
Brightness Differential - Completely Uniform	+/- 1 cd/m2, independent of total surface area
Operating Temperature - Ambient	-30°C +50°C
Heat Gain During Operation	Does not produce heat during operation
Compressive Strength - Ground Pressure	500 psi or more depending on mounting system
Impact Strength - Izod (73F)	6.5 ft-lbs/in2
Flexural Strength	700>15,000 cycles ASTM D2176
Flexibility - Wrap Angle	Contours around 6 millimeter diameter object
Punctureable	Yes, will illuminate after puncturing
Maximum Processing Temperature	350°F / 177°C (depending on residence time)
Health and Safety	
Safety Features	Overload and short circuit protection. UL listed.
UL Certifications	File number E319670, 2006/95/EC
CE Certifications	EC-Attestation of conformity - No. 0704 63147 001
Low Voltage Directive	Compliant
Environmental Compliance	ROHS and WEEE Directive
EMC Emissions Compliant	EN55015 (CISPR15) Radiated and Conducted Emission
Flame Resistance	UL 94VTM-0
International Protection Marking	IP67, EN60529
**Data recorded at average brightness, with AC input power of 250 Volts and 850 Hertz.	