



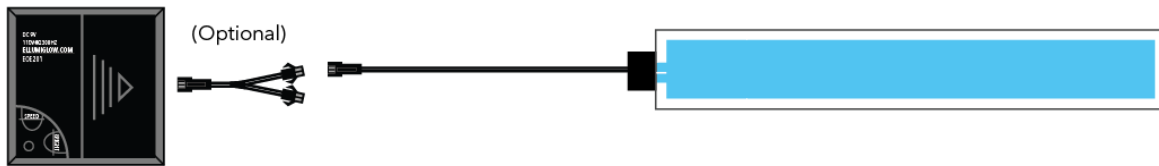
SPEC SHEET: VynEL™ HD LIGHT PANEL

The VynEL 1M Strip Light is the worldwide release of VynEL™, a remarkable light strip that allows you to Add Light. Anywhere. Its extremely flexible nature allows for a multitude of uses, from wearables, consumer goods, sporting goods, safety and much more. The future of wearable lighting is here. The HD derivative uses a proprietary TPU formula with a textured surface, which is approximately 0.8mm thick. A bonding agent can be added in the manufacturing level to provide a new sew bond to many different textiles. Custom sizes, shapes and colors are available. Please contact us for more details regarding customization.

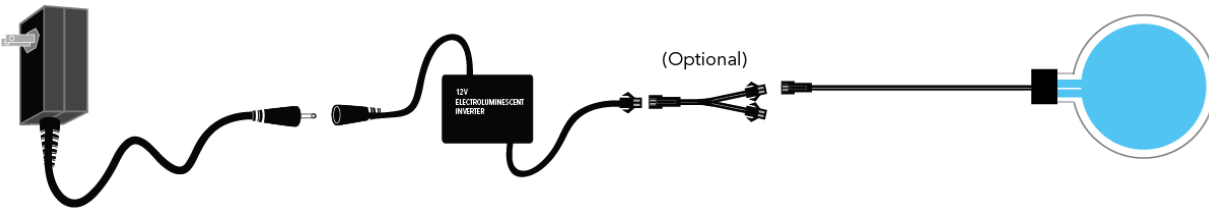
SKU	COLOR OPTIONS	Optimal Voltage/Frequency	Luminescence (Candela/m²)	POWER	VOLTAGE	RATING	SIZE
VYN001	Vibrant Blue (TEAL)	110V@ 600Hz	300cd/m²	1.3W/Strip	90-150 VAC	IP67	95cm x 1cm
VYN101	Vibrant Blue (TEAL)	110V@600Hz	300cd/m²	1.1W/pc	90-150 VAC	IP67	100mm DIA
VYN201	Vibrant Blue (TEAL)	110V@ 600Hz	300cd/m²	1.15W/pc	90-150 VAC	IP67	51 x 77mm

WIRING DIAGRAM

BATTERY OPERATION



WALL (AC) OPERATION



Product Features:	Product Specs:
Extremely Flexible	Brightness: 300-400cd/m2
Add Light To Nearly Anything	Heat Tolerance: -20C – 80C
Sew Or Heat Bond Directly To Fabrics	Min Bend Dia: 5mm
Highly Water Resistant	Phosphor Half Life: 2600 HRS
Lights On Both Sides*	Storage: <20% Humidity - Storage Temp: <10-40C
Small Bending Radius	Material: Proprietary TPU

*Product lights from rear electrode approximately ¼ the brightness of the front

FAQ

- **What are VynEL™ Strips?**
VynEL™ Panels or Strips derive from EL Tape or Electroluminescent Tape, but has additional properties which provide a multitude of uses. VynEL™ HD is extremely flexible, which makes it take the shape of any number of products. From fabrics, textiles, walls, and more, VynEL™ allows for an integrated light just about anywhere you see fit. The bending radius is a mere 5mm, which is about 10x better than typical EL Tape. Next, application is simple. For fabrics or textiles, it can be sewn or heat bonded directly into fabrics. Because we've removed the stiffer metal backing that EL Tape typically has, it allows the product to take the shape of other objects, not the other way around. It's waterproof in nature so it's capable of being worn, or placed on any number of objects.
- **How waterproof are VynEL™ HD panels?**
We consider VynEL™ HD products to be water resistant. Unlike many other lighting sources, VynEL™ HD panels have been proven to withstand multiple machine wash cycles (cold, up to 25x). It is recommended to hang dry for longest lasting results.
- **What is does HD mean?**
The VynEL™ HD (Heavy Duty) product line is wonderfully versatile product meant for numerous applications. It has a super cool textured finish (which we love) and meant to be used in heavier duty applications, like outerwear, sporting goods, or outdoor products.
- **Does VynEL™ Need An Inverter?**
Yes. At its core, VynEL™ is still an Electroluminescent product, and it needs a high frequency to make it work. The way we've designed the materials, allows VynEL™ strips to be powered from Parallel EL Inverters.
- **Why Use VynEL™ over a regular EL Panel or EL Tape?**
VynEL™ gives you the ability to integrate lighting into countless applications; Tents, sporting goods, athletic wear, and more.



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- Can VynEL™ Panels Be Cut?
Yes, VynEL™ Panels can be cut, however we recommend NOT cutting VynEL™ panels for best and longest lasting results. Rather than cutting, we recommend making custom shapes and sizes at the manufacturing level.
 - Can VynEL™ Strips or Panels Be Customized?
Yes, VynEL™ Panels can be customized to nearly any shape size or color, including logos or graphical overlays. Please visit <http://VynEL.tech> for more information on the complete VynEL™ product line. Please contact us directly for any custom inquiries.