

# MUSHLUME

## LIGHTING COLLECTION

### ABOUT THE LIGHTING

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#### WHAT IS MYCELIUM

The vegetative part of a fungus, or better known as the roots of mushrooms! This incredible organism is truly one of nature's greatest wonders. Responsible for distributing water and nutrients to all plants in a forest, mycelium is not only a circulator of vital resources in an ecosystem, but a connector of information and communication. Ever compare the image of the world wide web to that of a mycorrhizal network? Nearly identical in form!



LIVING MYCELIUM

#### BIOFABRICATION PROCESS

The MushLume Lighting Collection utilizes a sustainable crop—hemp—and combines it with a rapidly renewable living organism—mycelium—in order to GROW a lampshade. In a matter of a few days, the mycelium cultivates a thick network of hyphae throughout the hemp substrate, solidifying into a solid structure within the custom lampshade molds. After the mycelium has fully matured, the lampshades are demolded, dried and heated creating a stable, inert and 100% biodegradable product.



GROWING A LAMP SHADE

#### SUSTAINABILITY

- \* Utilizes locally sourced hemp
- \* Mycelium is grown in a lab, not extracted from nature
- \* Low energy and water use in production process
- \* No toxic or hazardous materials used
- \* Not derived from petroleum
- \* Biodegradable at the end of its life, adding nutrients back to the soil rather than pollutants



BIODEGRADABLE



Cradle to Cradle Gold Certified

**DANIELLE TROFE**