

Low-Carbon Biodegradable Luminaire

95%

biodegradable

3%

recyclable

2%

landfill

The Lightly Glow Luminaire is an ambient luminaire made primarily of low-carbon biodegradable materials. **By replacing aluminum, steel, and plastic with local Tulip Poplar**, we have achieved a **reduction in embodied carbon by more than 50%**. PET felt has been replaced with **100% wool felt**, which is biodegradable, fire resistant, and naturally antimicrobial. The luminaire is certified by the International Living Future Institute as **Red List Free**.

The performance of the luminaire is unmatched, with an overall **system efficacy which is more than 50%** that of traditional metal and plastic fixtures. By using multiple colors of LEDs, the color-rendering capabilities are near-perfect.

The most innovative and critical feature of the lightly products is the **commercial viability**. In order to transform the market, sustainable and high-performance products must also be **cost-effective, scalable, and address a large market**. The lightly fixture **costs the same as existing metal mid-tier linear fixtures on the market**.

lightly



Sustainable Materials

- Local US Grown Timber
- Biodegradable Wool Felts
- Gelatin Glue



Unmatched Performance

- 170 lm/w+
- CRI 98
- Zero Flicker



Innovative Design

- Addresses Large Market
- Cost-Effective
- Scalable