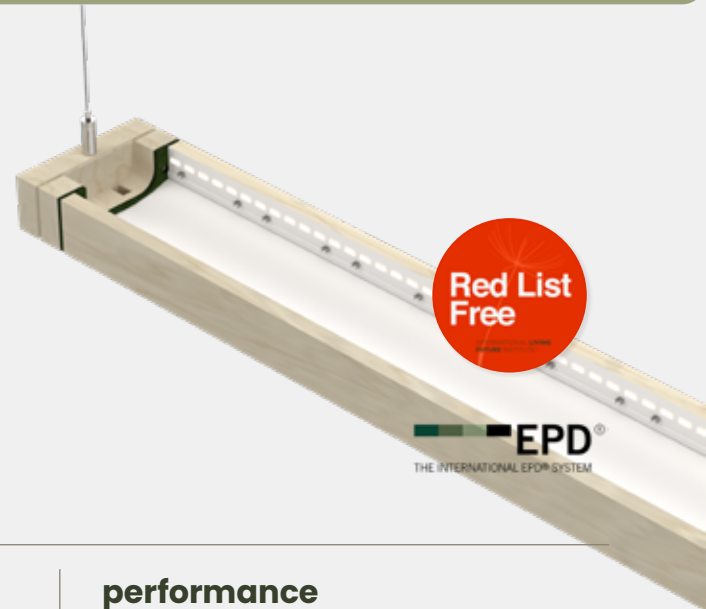


# lightly

**glow (indirect)** | specification sheet 2024

## features

- Suspended indirect LED Luminaire
- Carbon-conscious: designed with natural, renewable, non-toxic components. Red-list free. Fixture housing contains no metal, plastic, or glass
- Internal reflector conceals LEDs, and offers an evenly distributed batwing illumination without pixels or shadows
- Lightweight wood and wool construction reduces the embodied carbon and cost of shipping as compared to traditional metal fixtures
- Excellent choice for projects with sustainability and embodied carbon requirements; net-zero, LEED, WELL v2

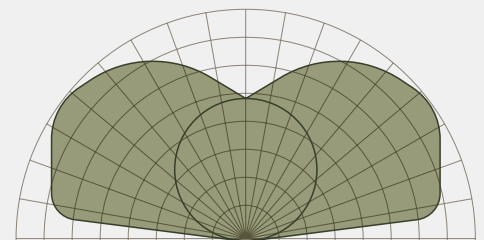


## dimensional data



**height:** 1-1/2"  
**width:** 4"  
**weight:** (\*8' Fixture) 6lbs.  
**length:** 2' minimum, no maximum run length (\*Custom lengths are available in 3" nominal increments. Submittals will be created)

## performance



**lumen output:** 800-1400 lm/ft  
**LPW:** 148-151  
**wattage:** 5.3-9.4 w/ft  
**SDCM:** 3

## specifications

### LED systems

Premium LEDs on a robust platform to achieve excellent thermal management. Available in 3000K, 3500K, 4000K with CRI>90. Also available in tunable white, ranging from 2700-6500K with CRI-90.

### construction

Carefully curated materials to ensure reliable, durable construction with sustainability at the forefront. Sustainably harvested Pennsylvania poplar housing and end caps, 100% natural wool felt gaskets, non-toxic wood adhesive, and VoC-free wood stains. An 8' fixture weighs 6 lbs.

### finish

Non-toxic, bioderived wood finishes, pigmented stains, semi-opaque pigmented paint, or highly opaque paint are used to achieve our natural, honey, dark walnut, black, and white finishes. See pg. 5 for more details.

### optic

lightly Glow Indirect challenges traditional luminaire design, typically reliant on translucent diffusers to distribute light. Instead, it delivers a 100% indirect distribution with a distinctive glowing arch optical profile finished in highly reflective matte white eco-friendly paint. The LED engines are concealed from viewing from below, reducing glare and creating a comfortable lighting experience.

### labels

Our highly sustainable fixtures have Declare and EPD labels and certifications and are UL Dry, indoor use only.

### electrical

All luminaires provided with remote drivers only. Standard 120-277 VAC constant current driver includes 0-10V analog dimming. Power factor > .95. Refer to pg. 8 for maximum run length from fixture to driver.

### emergency

If emergency battery (B) is specified, the luminaire will be provided with an emergency lighting battery pack unit for both normal and emergency operation, 120-277 VAC only. Emergency mode provides constant power to a nominal 10W LED load for a period of 90 minutes. The unit contains a long-life Li-Ion battery and inverter circuitry and requires connections to be made to the remote driver box on-site. Charge indicator light and test switch provided with mounting option to driver box. Refer to Lightly installation documentation for more details.

### lumen maintenance

Tested in accordance with LM-80. Reported L70>100,000 hrs (105 C).

### reliability

At Lightly, our products are designed to stand the test of time, then be recycled, repurposed, or biodegraded at end of life. To ensure longevity, all products must pass rigorous testing in environmental chambers evaluating the potential for warping and humidity absorption.

ordering guide

12345678910111213

-

-

-

1: SERIES

**G** glow

2: TYPE

**I** indirect

3: NOMINAL LENGTH (ft.)

**2'0** **8'0**

**4'0** **X'X** (custom)

**6'0**

\*3" nominal increments

4: WOOD FINISH

**W** white

**B** black

**N** natural

**H** honey

**D** dark walnut

5: END CAP FINISH

-

**W** white

**B** black

**N** natural

**H** honey

**D** dark walnut

6: WOOL FELT COLOR

**T** thunderstorm

**G** graphite

**H** heather gray

**F** fern green

7: MOUNTING

-

**A** aircraft cable suspension

\*12 ft. length standard

8: LIGHT OUTPUT (lm/ft.)

**L** 800 (5.3w/ft)

**M** 1100 (7.3w/ft)

**H** 1400 (9.4w/ft)

9: CCT (90 CRI)

**30** 3000K

**35** 3500K

**40** 4000K

**TW** 2700-6500K

10: DRIVER

**R** 0-10 V Dim 1.0%  
120-277 V

11: WIRING & EMERGENCY

-

**B\_\*** emerg. battery

**C** emerg. circuit

**Z** not applicable

\*for continuous runs, specify the number of units with emergency battery capability (ex. B2)

12: CONTROLS

-

(blank)

13: OPTIONS

**Driver Box Faceplate**

**W** white wood

**B** black wood

**N** natural wood

**H** honey wood

**D** dark walnut

**Z** standard (paintable steel)

\*driver box is e-coat white steel, see install guide for dimensions and details

performance chart

|         | delivered lumens (lm/ft) |              |                 |
|---------|--------------------------|--------------|-----------------|
| config. | indirect                 | power (w/ft) | efficacy (lm/w) |
| low     | 800                      | 5.3          | 151             |
| med     | 1100                     | 7.3          | 150             |
| high    | 1400                     | 9.4          | 148             |

performance specifications are nominal

## sustainable in every way

Bill of Material Weight - 8 ft. Standalone

**dowels**  
material: beech  
total weight: 0.02 lbs

**wool felt gaskets**  
material: wool felt  
total weight: 0.05 lbs

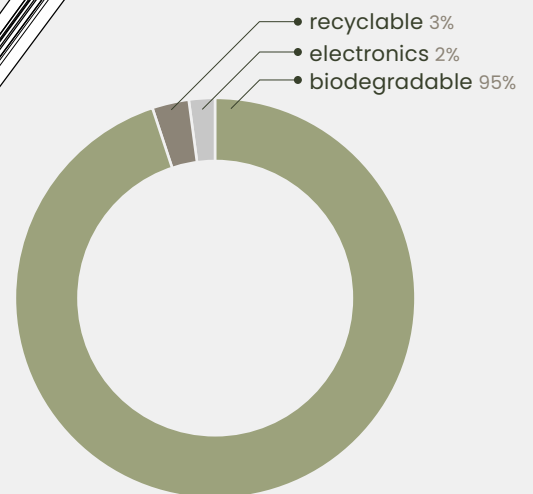
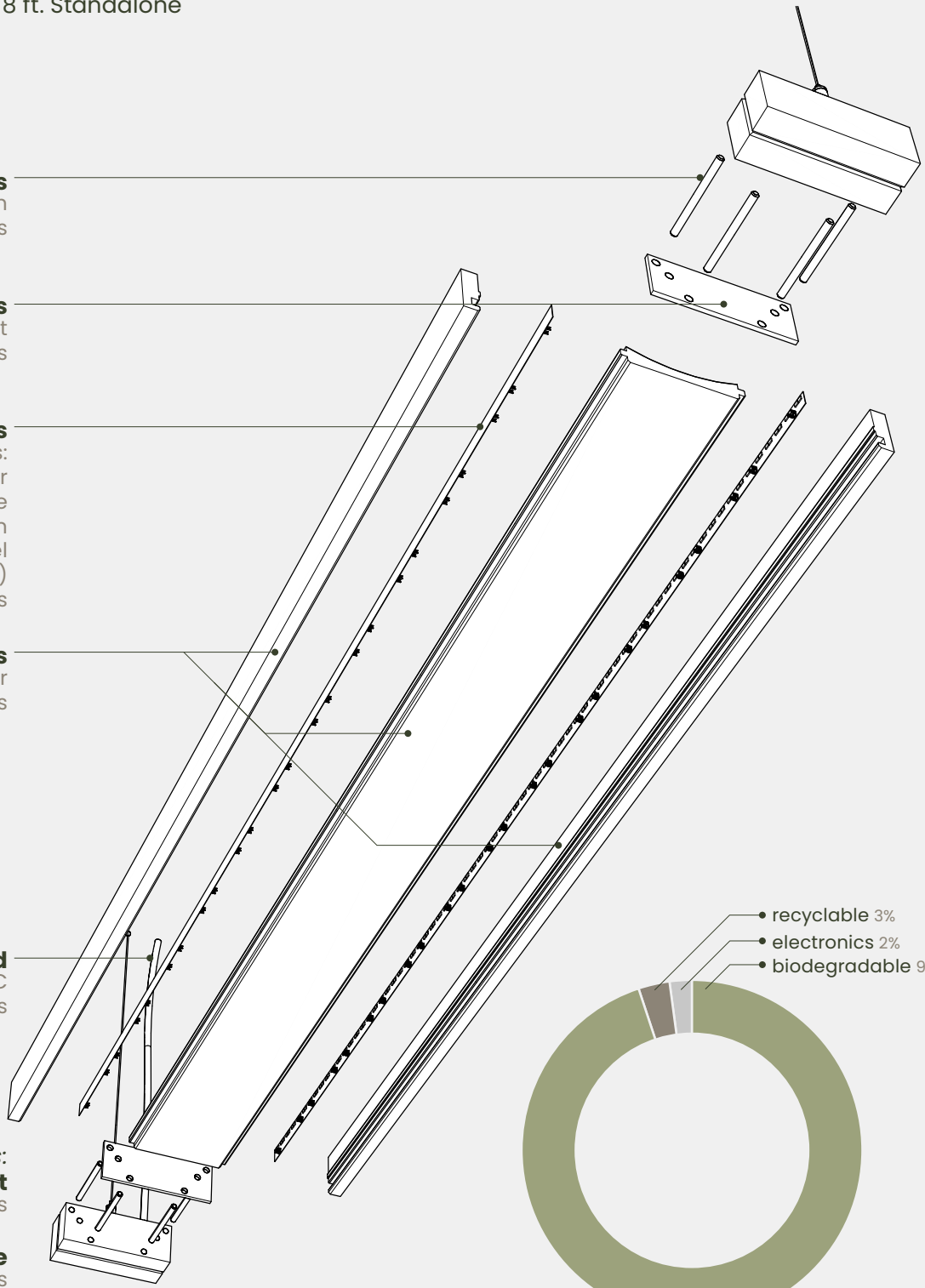
**LED boards**  
materials:  
copper  
polyimide  
tin  
(see Declare label  
for full list)  
total weight: 0.2 lbs

**wood profiles**  
material: poplar  
total weight: 5.70 lbs

**power cord**  
material: non-PVC  
total weight: .8 lbs

**miscellaneous:**  
**non-toxic paint**  
total weight: 0.01 lbs

**non-toxic glue**  
total weight: 0.01 lbs

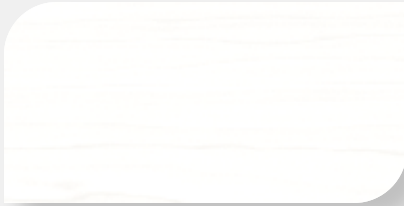


## finish key

lightly offers variations of finishes for components including wood color & wool felt color

### wood finish

**W**  
white paint



**N**  
natural



**H**  
honey



**D**  
dark walnut



**B**  
black stain



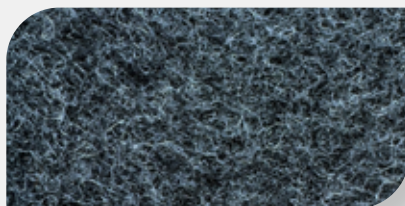
\*Wood is a natural material and is therefore subject to small variations in tone, texture, and grain. The swatch palettes for *Natural*, *Honey* and *Dark Walnut* represent a possible range of finishes.

### wool finish

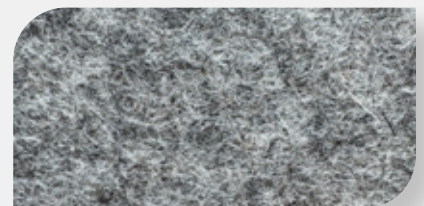
**T**  
thunderstorm



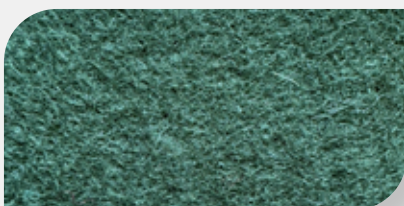
**G**  
graphite



**H**  
heather gray

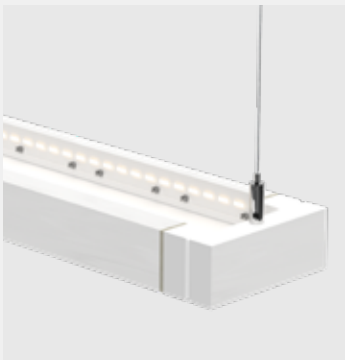
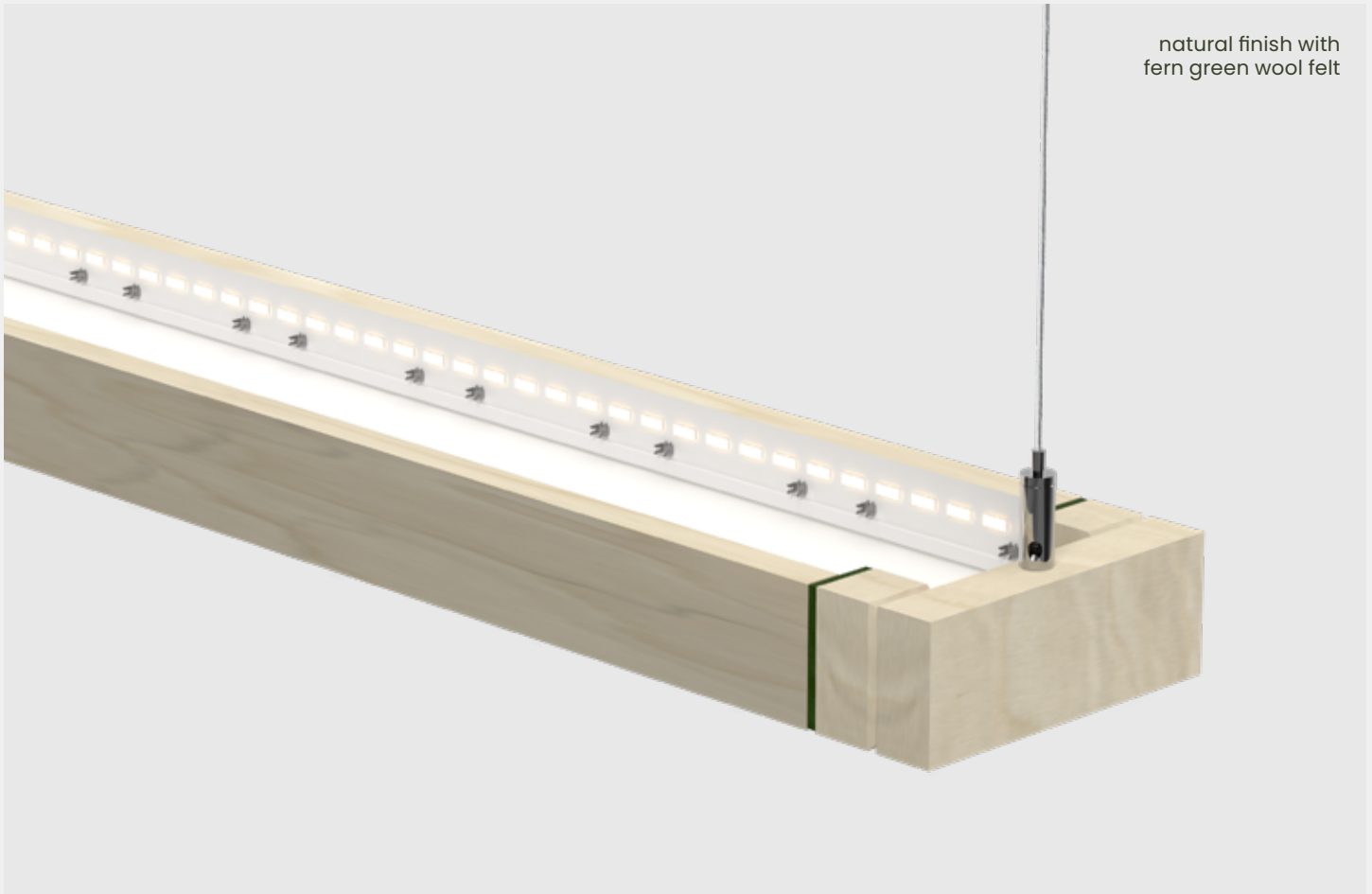


**F**  
fern green



## our glow finishes

lightly offers a range of gorgeous natural materials that sequester carbon, harvested from fast growth sources that don't deplete precious natural resources.



**white**  
showing thunderstorm wool felt



**black**  
showing graphite wool felt



**honey**  
showing fern green wool felt



**dark walnut**  
showing heather gray wool felt

## configuration

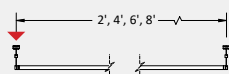
lightly glow has been designed for easy on-site installation and uniform runs

### standard run configurations

The table below shows how the standard run lengths are configured. For other run lengths or layouts, contact customer support.

| nominal run length | section lengths | nominal run length | section lengths |
|--------------------|-----------------|--------------------|-----------------|
| 2'                 | 2'              | 16'                | 8'+8'           |
| 4'                 | 4'              | 20'                | 8'+8'+4'        |
| 6'                 | 6'              | 24'                | 8'+8'+8'        |
| 8'                 | 8'              | 28'                | 8'+8'+8'+4'     |
| 12'                | 6'+6'           | 32'                | 8'+8'+8'+8'     |

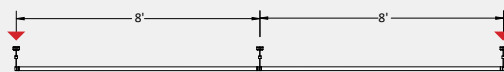
\* ▼ indicates standard power drop locations



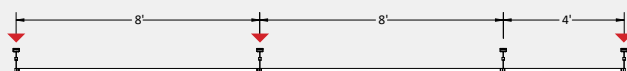
2 ft, 4 ft, 6 ft,



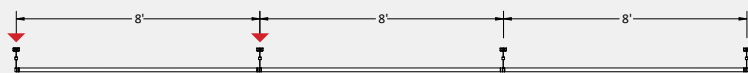
12 ft



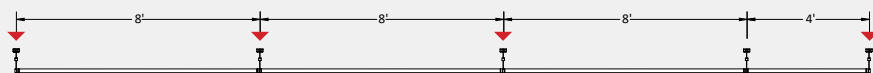
16 ft



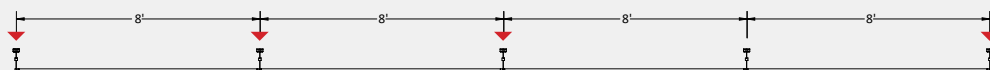
20 ft



24 ft



28 ft

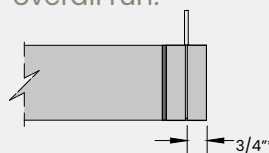


32 ft

### nominal length vs. actual length

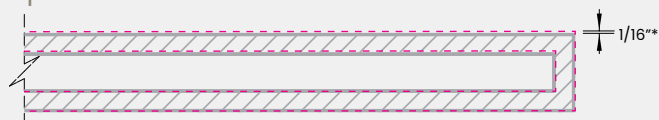
The nominal length of each section of a run is equal to the on-center spacing of the suspension points.

The actual length of the overall run is 3/4" longer at each end than the nominal length of the overall run.



### natural wood deviations

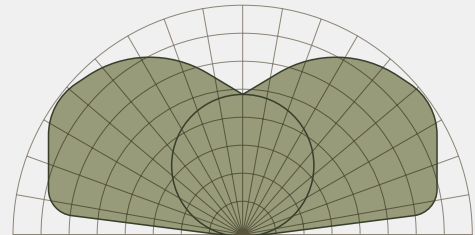
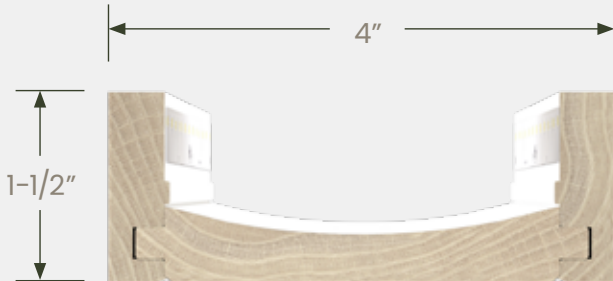
Lightly maintains a straightness tolerance of  $\pm 1/16"$  on standalone units and  $\pm 1/8"$  on continuous units. Fixtures are intended for indoor use only and must be stored and installed in a climate controlled area to remain within specified limits.





## profile & optical distribution

a wide batwing without plastic diffusion



### optical distribution

100% indirect optical distribution. The fixture utilizes two light sources aimed at an arch finished in highly reflective eco-friendly paint to deliver a low-glare glowing illumination without needing plastic diffusers.

## photometrics

uncompromised performance in a variety of color temperature and lumen outputs.

|               | delivered lumens (lm/ft) |              |                 |
|---------------|--------------------------|--------------|-----------------|
| configuration | indirect                 | power (W/ft) | efficacy (lm/W) |
| low           | 800                      | 5.3          | 151             |
| med           | 1100                     | 7.3          | 150             |
| high          | 1400                     | 9.4          | 148             |

### remote mounting of drivers

Wire size (max distance from canopy to drivers)

20 AWG - 50'

18 AWG - 80'

16 AWG - 125'

14 AWG - 200'

\*Drivers must be accessible after installation.

\*One driver per 8' section

\*Option for gang of drivers in a remote location.



## transparent to the core

### wood sourcing

The wood is sourced sustainably in compliance with AHEC (American Hardwood Export Council) regulations from the State of Pennsylvania and has the optional ability to be provided with FSC certified chain of custody.

### wood processing

The wood frame is furniture-grade dried wood at 7-8% moisture content, tested to numerous QC standards to ensure its minimum stress, the right humidity uniformity, and exceeds the grading standards for FAS Lumber. The wood is processed via continuous moulding cutting processes to ensure consistent characteristics. The wood end caps are made from matching wood formed via a precision CNC milling process.

### wood housing

The primary body consists of a continuous wood perimeter frame with wood endcaps and an open optical reflector cavity finished in high reflectance bright white.

### wood finishes

Wood body and endcap finish options include non-toxic, bioderived wood finishes, pigmented stains, semi-opaque pigmented paint, or highly opaque paint. All paint options and reflective surfaces utilize air-purifying paint which neutralizes chemicals, pollutants, and VOCs for improved indoor air quality.

### natural wood glue

Gelatin glue and jelly glue are the modern terms for protein-based adhesives. Additional ingredients include water, Epsom salts, corn sugar, and glycerin. Non-toxic, recyclable and eco-friendly.

### wool felt pad

Biodegradable, naturally dyed, 100% wool. Creates distinctive contrasting design feature while preventing any light leakage at end cap joint.

### LED engine

Flexible PCB with mid-power LED packages adhered to fixture body in continuous rows. LED engine can be easily stripped from fixture at end of life without removing any fasteners.

### power supply

Remote driver solution with multiple mounting options.

**Declare.**

**Lightly - Fixture - Boothwyn PA**  
**Lightly**

**Final Assembly:** Boothwyn, Pennsylvania, USA

**Life Expectancy:** 10+ Year(s)

**End of Life Options:** Biodegradable/Compostable (95%), Recyclable (3%), Landfill (2%)

#### Ingredients:

**Frame:** Poplar; **Plywood:** Wood, Various; 4,4'-Methylenediphenyl diisocyanate; Polyvinyl alcohol; Soy; **ECOS Atmosphere Purifying Paint:** Water; Titanium dioxide; Calcium Carbonate; 1,2,3-Propanetriol; 2-Propenoic acid, homopolymer, ammonium salt; 2-Propenoic acid, homopolymer, sodium salt; 9-Octadecenoic acid (2-); Benzaldehyde, 4-hydroxy-3-methoxy-; Cellulose, 2-hydroxyethyl ether; Ceramic materials and wares, chemicals; Cutting Oils; Fatty acids, C12-18, Me esters, sulfonated, sodium salts; Fatty acids, C32-36-branched; Fatty acids, tallow, potassium salts; Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt; Hectonite; Xanthan gum; Zeolites, NaA; Zinc pyrrhione; **Flex LED Module:** Copper; Tin; Organic; Methyl methacrylate; Glass, oxide, chemicals; Iron; Polyamide 9T; Silver; Vinyl silicone polymer; Polyimide; 2-Propenoic acid, 2-methyl-, polymer with methyl 2-methyl-2-propenoate; Phenol, 4,4'-(1-methylethylidene)bis(2,6-dibromo-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis(phenol); 2-Propenenitrile, polymer with 1,3-butadiene; Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-((1-methylethylidene)bis(4,1-phenyleneoxymethylene))bis(oxirane); Aluminum hydroxide; Dapsone; Rosin; **Wire:** Copper; Polyphenylene Ether; **Stain:** Water; Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol; **Wood Gelatin Glue:** Gelatins; Water; **Connector:** Carbonic acid, polymer with 4,4'-(1-methylethylidene)bis(phenol); Copper; **Wool Felt:** Wool; **Pigment:** **Hemp Cord:** Hemp; **Glue:** 2-Propenoic acid, 2-cyano-, ethyl ester; **Birch Dowel:** Birch

**Living Building Challenge Criteria:** Compliant

#### I-13 Red List:

☒ LBC Red List Free % Disclosed: 100% at 100ppm  
☐ LBC Red List Approved VOC Content: Not Applicable  
☐ Declared

**I-10 Interior Performance:** Not Applicable

**I-14 Responsible Sourcing:** Low Risk Wood

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