lightly

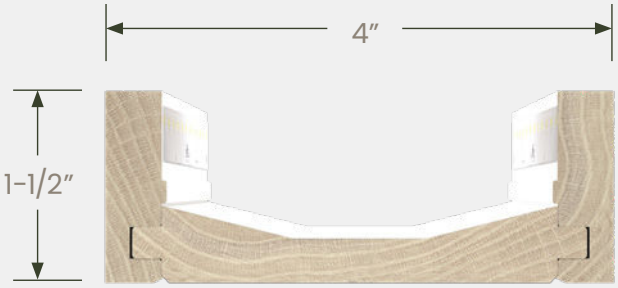
glow *(indirect)*

Specification Sheet 2022

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 low glare illumination without pixels or shadows
- Lightweight wood, wool, and hemp 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



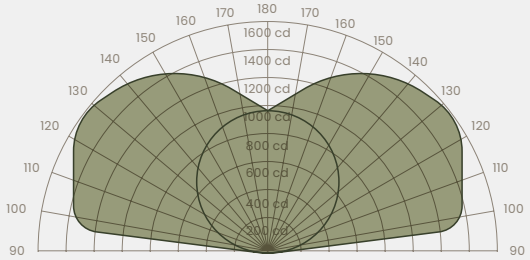
HEIGHT:
1-1/2″

WIDTH:
4″

LENGTH:
2′-32′
(*Custom lengths are available in 2″ nominal increments. Submittals will be created)

WEIGHT:
(*8′ Fixture)
6 lbs.

performance



LUMEN OUTPUT:
800-1400 lm/ft

LPW:
148-151

WATTAGE:
5.3-9.4 w/ft

SDCM:
3

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ordering guide

lightly offers variations of finishes for components including wood species/color, wool felt color, & hemp cord color

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, high-strength hemp twine suspension cables (10' provided), non-toxic wood adhesive, and VOC-free wood stains. An 8' fixture weighs 11 lbs.

FINISH
Non-toxic, bioderived wood finishes, pigmented stains, semi-opaque pigmented paint, or highly opaque paint are used to achieve our natural, honey, 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.

ELECTRICAL
All luminaires provided with remote drivers only. Standard 120-277 VAC constant current driver includes 0-10V analog dimming. Power factor > .95. Power cord length options are 12', 16', or 20'. Refer to pg. 7 for maximum run lengths to driver.

EMERGENCY
If emergency battery (B) is specified, this luminaire will be provided with a factory installed LED emergency lighting battery pack for both normal and emergency operation, 120-277 VAC only. This fixture integrated unit contains long-life Ni- Cad recyclable battery, 24 hour charger, and converter circuit. Test switch and charge indicator provided, to be installed by others in accordance with local code. Emergency mode provides constant power to a nominal 10W LED load for a period of 90 minutes. Unless otherwise specified, the emergency battery pack will illuminate up to the first 8' of a run. Emergency circuiting (C) provided as a separate circuit from normal power circuit according to NEC requirements, specify circuit length and location. Generator transfer device included with emergency circuiting.

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

LUMEN MAINTENANCE
Tested in accordance with LM-80. Reported L70>54,000 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.

performance chart

	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

*Performance specifications are nominal.

SERIES ____
glow G

TYPE ____
indirect I

NOMINAL LENGTH (ft.) ____
**max. of 32' in 2" increments*
2' 2
4' 4
6' 6
8' 8
X'-X" custom

WOOD ____
white W
black B
natural N
honey H
dark walnut D

END CAP ____
white W
black B
natural N
honey H
dark walnut D

WOOL FELT ____
thunderstorm (natural) T
graphite G
heather gray H
fern green F

COUPLER ____
white W
black B
natural N
honey H
dark walnut D
not applicable Z

MOUNTING ____
white hemp suspension W
black hemp suspension B
gray hemp suspension G
natural hemp suspension N
aircraft cable suspension A

CANOPY & TENSIONER ____
**must select white (W) or black (B) finish when using aircraft cable mounting*
white W
black B
natural N
honey H
dark walnut D

POWER CORD FINISH ____
white W
black B

POWER CORD LENGTH (ft.) ____
12' 12
16' 16
20' 20

LIGHT OUTPUT ____
200lm/ft (2.1 w/ft) L
400lm/ft (4.2 w/ft) M
600lm/ft (6.4 w/ft) H

CCT ____
3000K/90CRI 30
3500K/90CRI 35
4000K/90CRI 40
2700-6500K/90CRI TW

DRIVER ____
0-10V, 1.0% Dimming, 120-277 VAC R

WIRING & EMERGENCY ____
**for continuous runs, specify the number of units with emergency capability (ex. B2)*
emergency battery B_
emergency circuited C_
not applicable Z

CONTROLS ____
(blank) --

OPTIONS ____
t-bar clip T

SAMPLE: *GI8'0-NNTZNN-W12H35R-Z*

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sustainable in every way

Bill of Material Weight - 8 ft. Standalone

canopy
material: poplar
total weight: 0.24 lbs

cord tensioners
material: poplar
total weight: 0.01 lbs

hemp suspension
material: hemp twine
total weight: 0.04 lbs

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

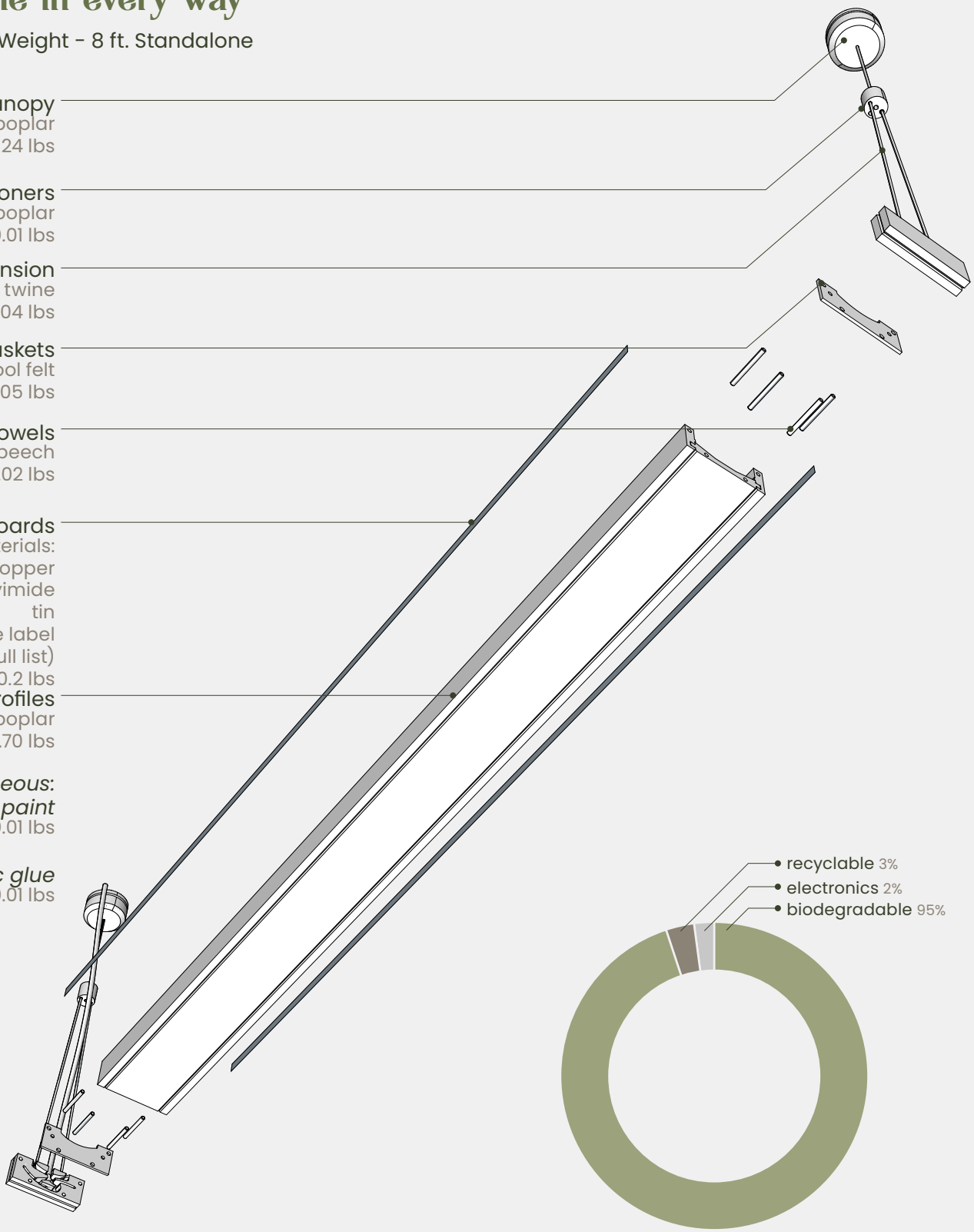
dowels
material: beech
total weight: 0.02 lbs

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

miscellaneous:
non-toxic paint
total weight: 0.01 lbs

non-toxic glue
total weight: 0.01 lbs



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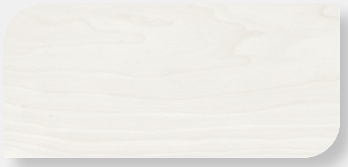
finish key

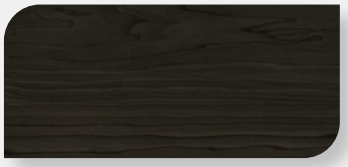
lightly offers variations of finishes for components including wood species/color, wool felt color, & hemp cord color

wood finish

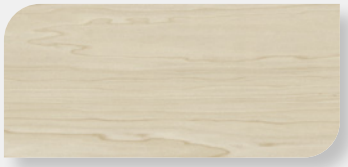
W
white paint



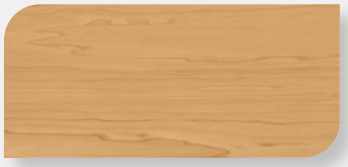
B
black stain



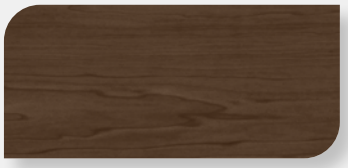
N
natural



H
honey



D
dark walnut

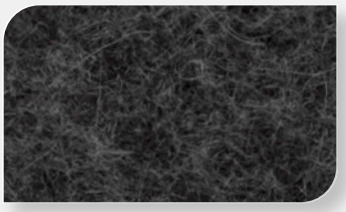


*Wood is a natural material and is therefore subject to small variations in tone, texture, and grain. The swatch palettes for ***Natural, Honey and Dark Walnut*** represent a possible range of finishes.

wool finish

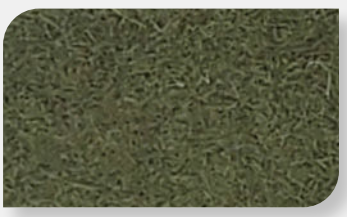
T
thunderstorm

G
graphite



H
heather gray

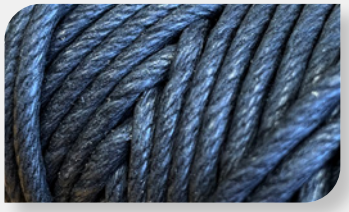
F
fern green



hemp finish

W
white

B
black



G
light gray

N
natural

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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.

natural finish with heather gray wool felt and gray hemp

white
showing thunderstorm wool felt accent and white hemp cord

black
showing graphite wool felt accent and black hemp cord

honey
showing fern green wool felt accent and natural hemp cord

dark walnut
showing graphite wool felt accent and black hemp cord

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configuration

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

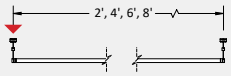
standard run configurations

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

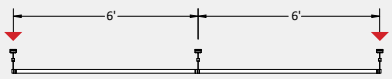
nominal run length	section lengths
2′	2′
4′	4′
6′	6′
8′	8′
12′	6′+6′

nominal run length	section lengths
16′	8′+8′
20′	8′+8′+4′
24′	8′+8′+8′
28′	8′+8′+8′+4′
32′	8′+8′+8′+8′

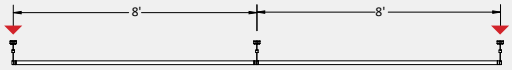
*▼ indicates standard power drop locations



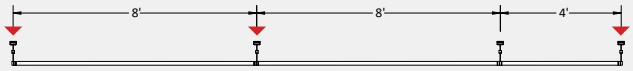
2 ft, 4 ft, 6 ft,



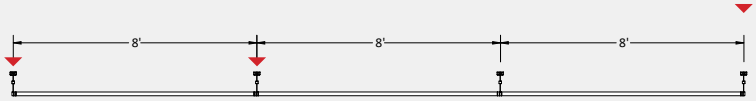
12 ft



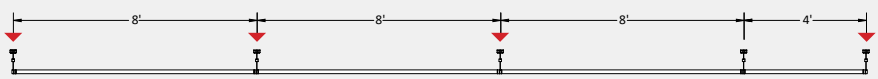
16 ft



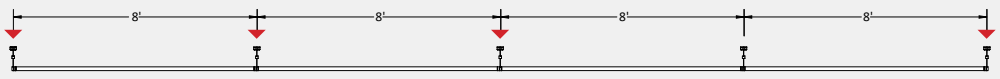
20 ft



24 ft



28 ft

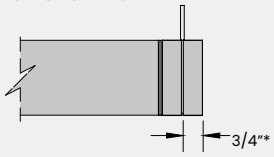


32 ft

nominal length vs. actual length

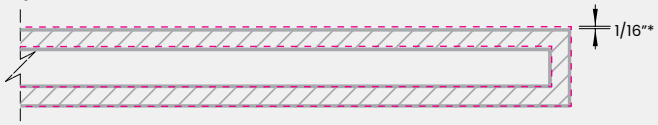
The nominal length of each section of a run is equal to the on-center spacing of the suspension points.

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



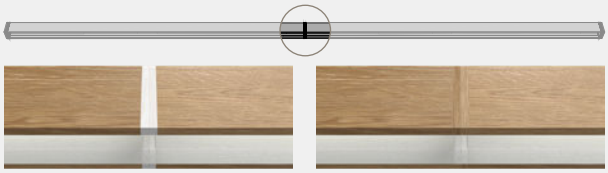
natural wood deviations

Lightly maintains a straightness tolerance of +- 1/16″ on standalone units and +- 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.



coupler finish

The coupler is located at the joint of two sections in a run over 8 ft. As per the ordering guide on pg. 3, it can be specified as white finish or to match the fixture body finish.



*white

*matching fixture body

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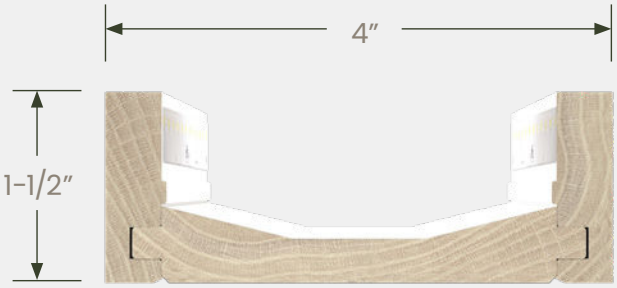
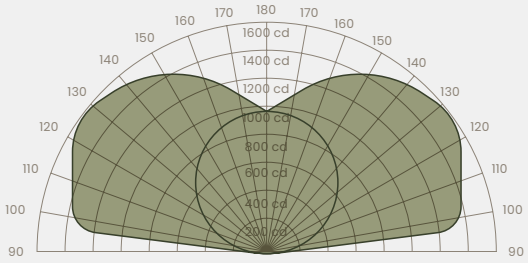
profile & optical distribution

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.

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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, biod-erived wood finishes, pigmented stains, semi-opaque pigmented paint, or highly opaque paint. All paint options and reflective sur-faces utilize air-purifying paint which neutralizes chemicals, pollutants, and VOCs for im-proved 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.

hemp cord
Hemp fiber is strong and mold-resistant, making it an ideal material for suspension cables. It is also one of the most common and fastest growing plants on earth, and can be processed mechanically without chemical treatments.

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 (Z)-; 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, C12-36-branched; Fatty acids, tallow, potassium salts; Glycine, N-methyl-N-(1-oxododecyl)-, sodium salt; Hectorite; Xanthan gum; Zeolites, NaA; Zinc pyrithione; 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-Propanenitrile, 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

LTY-0001
EXP: 01 NOV 2023
Original Issue Date: 2022

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Red List Free
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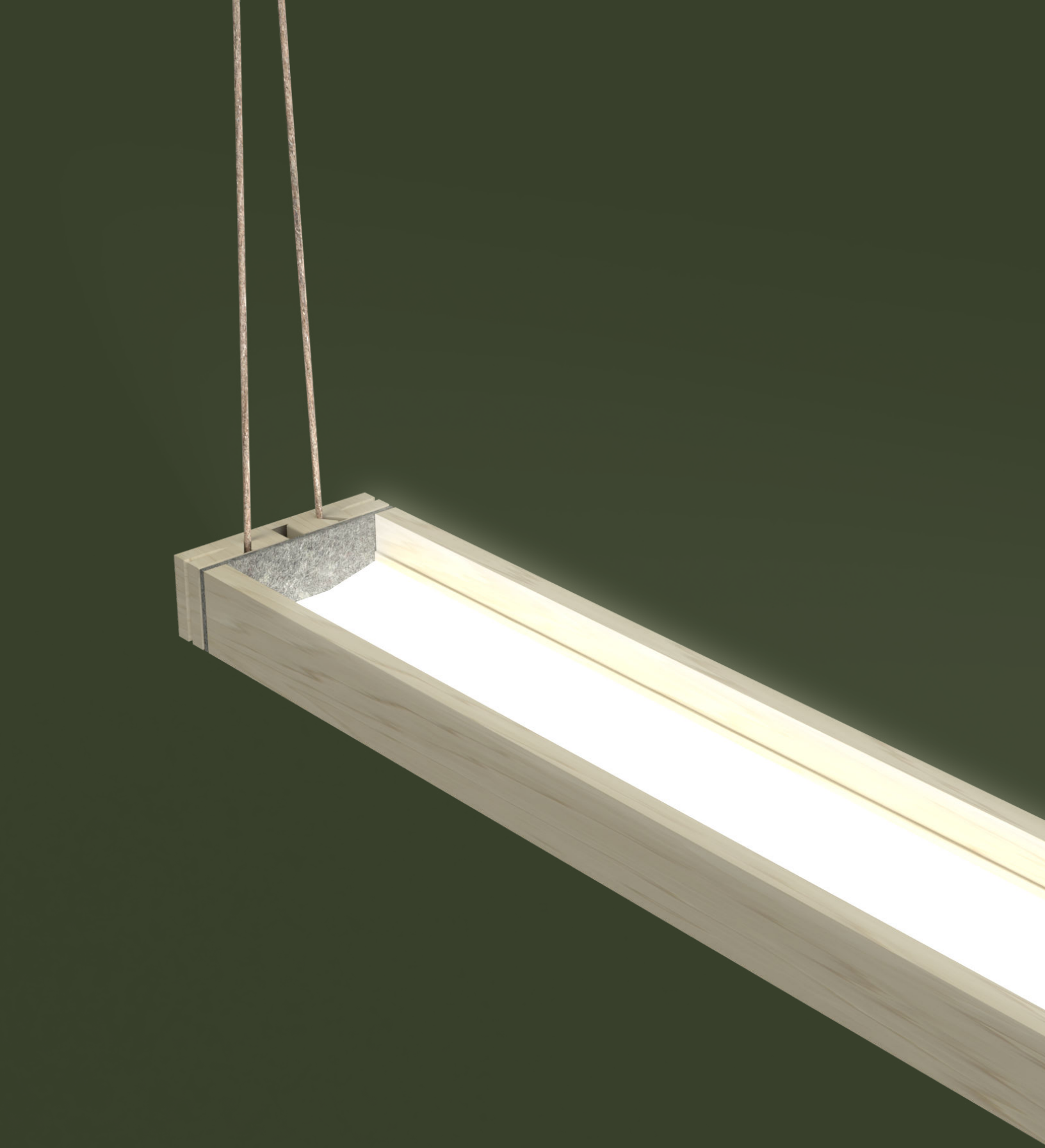

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