

lightly

glow (*direct/indirect*)

Specification Sheet 2022

project:

type:

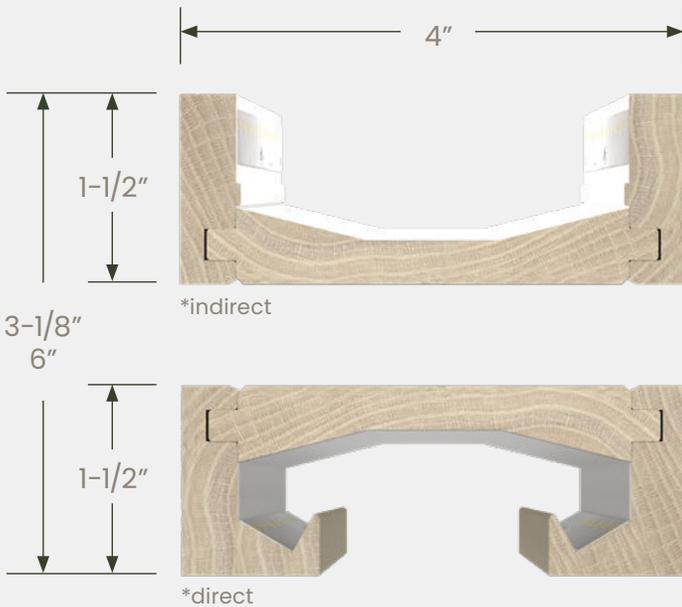
date:

features

- Suspended direct / indirect LED Luminaire
- Carbon-conscious: designed with natural, renewable, non-toxic components. Red-list free. Fixture housing contains no metal, plastic, or glass
- Customizable fixture body heights - direct and indirect housings allowing for negative space or felt acoustic baffle integration
- 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

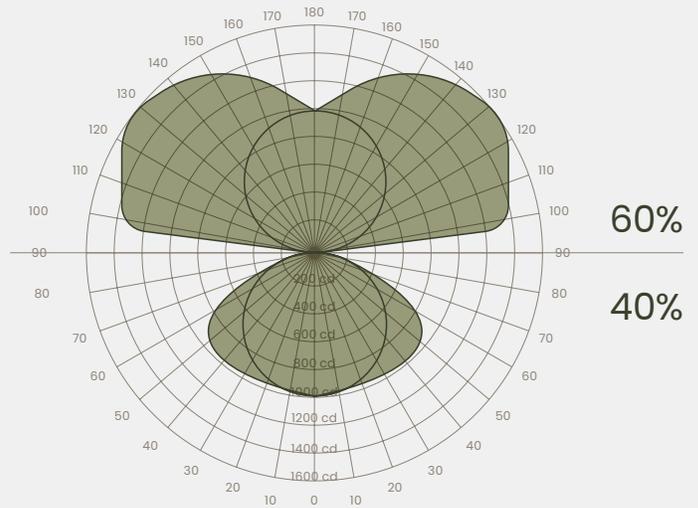


dimensional data



HEIGHT: 3-1/8", 6", 12"	LENGTH: 2'-32' (*Custom lengths are available in 2" nominal increments. Submittals will be created)	WEIGHT: (*8' Fixture) 12" height w/ acoustic 16lbs. 12" height open 11lbs. 6" height w/ acoustic 14lbs. 6" height open 11lbs. 3-1/8" open 11lbs.
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performance



LUMEN OUTPUT: 590-1250 lm/ft	LPW: 123-124
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WATTAGE: 4.8-10.2 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. 6 for more details.

OPTIC

lightly Glow Direct/Indirect challenges traditional luminaire design, typically reliant on translucent diffusers to distribute light. Instead, it delivers two-circuit, individually addressable direct and indirect distributions with distinctive glowing arch optical profiles 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. 8 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

configuration	delivered lumens (lm/ft)			power (W)	efficacy (lm/W)
	total	indirect	direct		
low	590	365	225	4.8	124
med	915	565	350	7.4	123
high	1250	775	480	10.2	123

*Performance specifications are nominal.

	SERIES	glow	G	----
	HEIGHT*	3-1/8"	3	----
		6"	6	
		12"	12	
	TYPE	direct/indirect combination	C	----
	NOMINAL LENGTH (ft.)			----
		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			----
		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			----
		590lm/ft (4.8 w/ft)	L	
		915lm/ft (7.4 w/ft)	M	
		1250lm/ft (10.2 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			----
		emergency battery	B_	
		emergency circuitured	C_	
		not applicable	Z	
	CONTROLS			----
		(blank)	--	
	OPTIONS			----
		t-bar clip	T	
		wool acoustic baffle	A	

SAMPLE: G3C8'0-NNTZNN-W12H35R-ZA

configuration options

Specify different fixture heights to compliment the proportions of your project, along with optional wool acoustic baffling to attenuate sound and add color or texture.

3 | 3-1/8" direct/indirect combo



6 | 6" direct/indirect combo



6-A | 6" direct/indirect combo w/ acoustic felt baffle



12 | 12" direct/indirect combo



12-A | 12" direct/indirect combo w/ acoustic felt baffle



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: 0.1 lbs

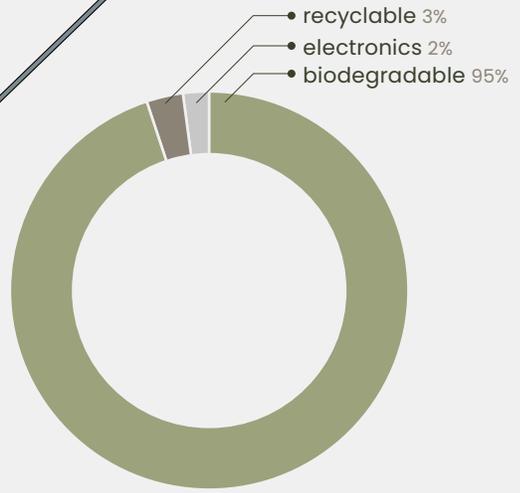
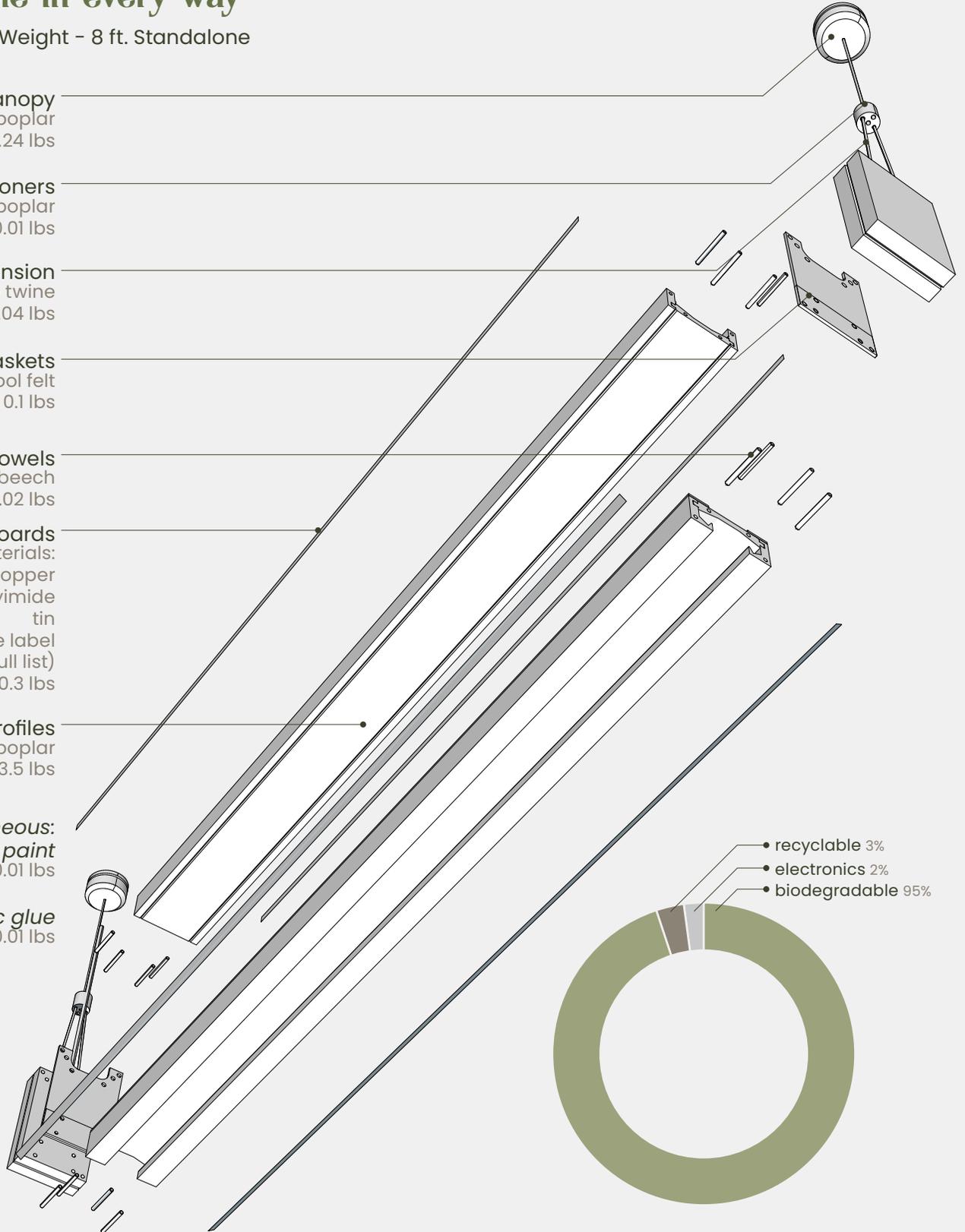
dowels
material: beech
total weight: 0.02 lbs

LED boards
materials:
copper
polyimide
tin
(see Declare label
for full list)
total weight: 0.3 lbs

wood profiles
material: poplar
total weight: 13.5 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 species/color, wool felt color, & hemp cord color

wood finish

W
white paint



B
black stain



N
natural



H
honey



D
dark walnut



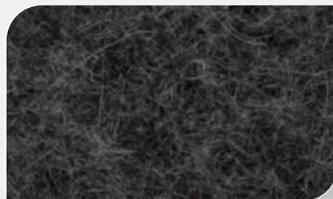
*Wood is a natural material and is therefore subject to small variations in tone, texture, and grain. The swatch palettes for *Natural*, *Honey* and *Dark Walnut* represent a possible range of finishes.

wool finish

T
thunderstorm



G
graphite



H
heather gray



F
fern green



hemp finish

W
white



B
black



G
light gray



N
natural



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



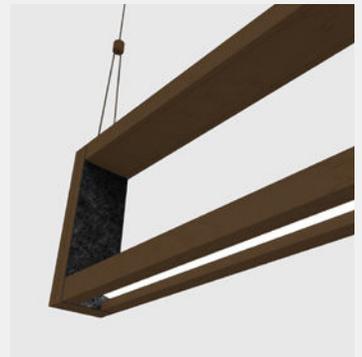
white
showing thunderstorm wool felt accent and white hemp cord



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

configuration

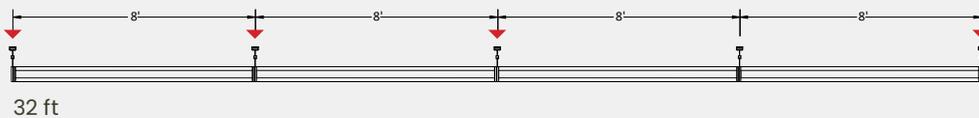
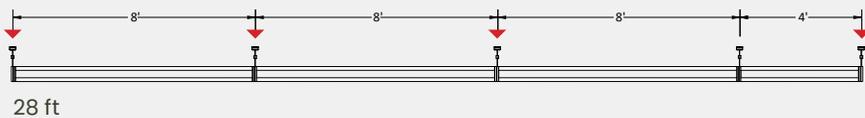
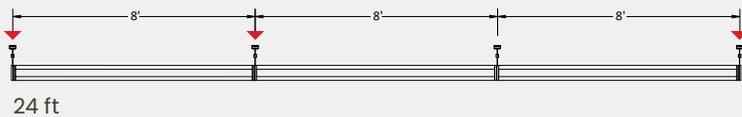
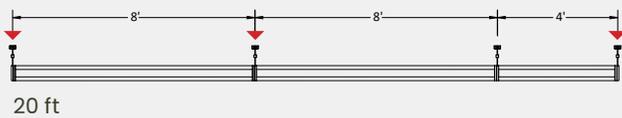
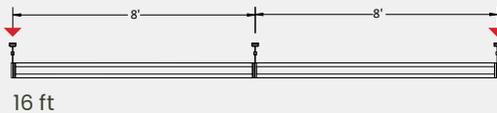
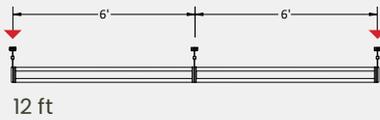
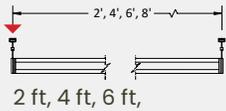
lightly glow has been designed for easy on-site installation and uniform runs

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'

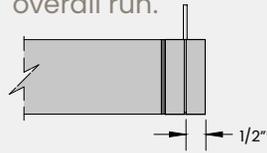
* ▼ indicates standard power drop locations



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 1/2" 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.



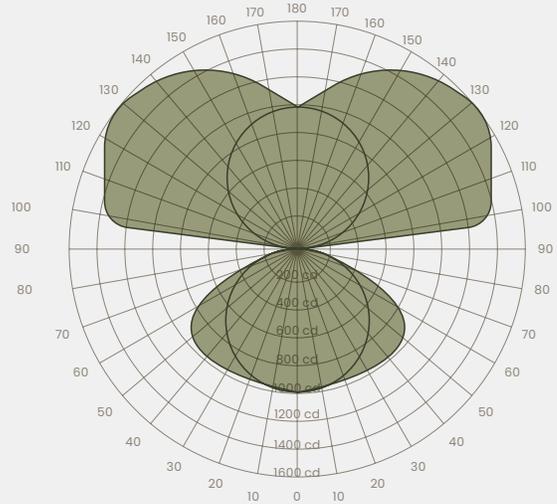
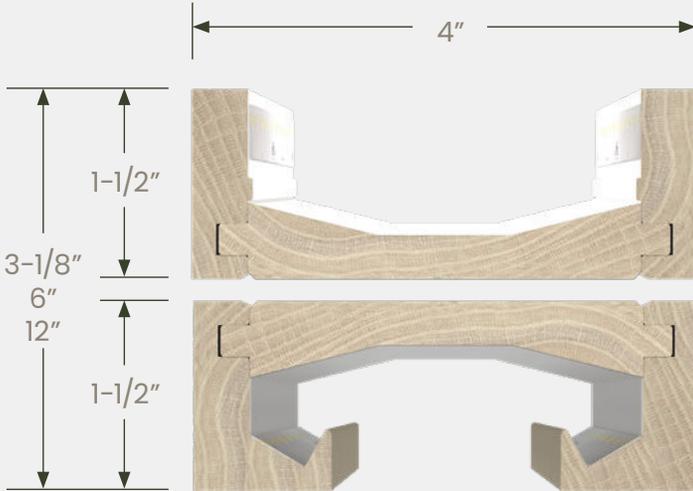
coupler finish

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.



profile & optical distribution

Individually addressable direct and indirect distributions



optical distribution

Individually addressable direct/indirect optical distributions. The fixture utilizes two light sources for direct, and two light sources for indirect with internal reflection to deliver a low-glare glowing illumination without needing plastic diffusers.

photometrics

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

configuration	delivered lumens (lm/ft)			power (w/ft)	efficacy (lm/w)
	total	indirect	direct		
low	590	365	225	4.8	124
med	915	565	350	7.4	123
high	1250	775	480	10.2	123

*Performance specifications are nominal.

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, bio-derived 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.

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.



