The TimberWood® Line

The Standard in Engineered Wood Light Poles

STERNBERG
LIGHTING
SINCE 1923
Wood

Grown by nature, engineered for strength and consistency

Sternberg Lighting is North America’s master distributor for TimberWood® Products, a division of J. H. Baxter & Co.

Founded in 1896, J. H. Baxter is a fourth generation WBE certified company that specializes in forest management and wood preservation. TimberWood® Products has been the leader in delivering premium Douglas fir laminated poles, cross arms, and bollards to specialized markets for over 40 years.

TimberWood® also provides Coastal Douglas fir, Port Orford Cedar or Alaskan Yellow Cedar species upon request.
Upscale resorts, golf clubs and residential developments have “discovered” the natural beauty, economy and flexibility of wood. It is abundant in nature, renewable, easy to handle, an excellent insulator, cost efficient and environmentally preferred. Take a second look at wood to enhance your next project. Let us help you customize your outdoor lighting.
benefits of wood poles

- Decades of superior performance
- Lowest installed cost
- Flexible, resilient and strong
- Easy to install and maintain
- Aesthetically pleasing anywhere
- Environmentally preferred
- Natural, renewable and sustainable
- Provides long-term repository for atmospheric carbon
- Generates less greenhouse gases during manufacture
- May be available for LEED status

WOOD is the “green” standard by which alternative products are measured.

RENEWABLE FORESTATION

TimberWood® engineered wood light poles utilize younger fast growing, small diameter trees for the lamination process. Unlike metals or concrete which deplete the earth’s resources, replanted seedlings continue to provide a sustainable natural resource that increases carbon absorption and generates oxygen for the environment.

REDDUCING THE CARBON FOOTPRINT

There are two primary ways that wood contributes to the efforts to minimize CO2 emissions and global warming: 1) carbon sequestration and 2) low energy consumption.

1) Trees absorb and store carbon (carbon sequestration) and give off oxygen. This process even continues to some degree after harvest and in the manufactured state.

2) Wood has the lowest impact to the environment in the manufacturing process as it consumes less than 10% of the energy required to produce steel and concrete.

LIFE CYCLE ANALYSIS (LCA)

Wood is the only sustainable product that provides low energy consumption throughout its entire life cycle.

All wood products and hardware are Made in America.
Appearance

TimberWood® poles are built from Coastal Douglas fir and engineered for strength and dimensional stability. Smaller pieces of lumber are finger-joint-ed and glued together to form a consistent, engineered wood light pole. Exterior putty is used to fill in any voids or defects. TimberWood Poles are available in two textures: smooth with eased corners or cross-sawn with square corners for a textured outdoor rugged appearance. The resulting color of treated Coastal Douglas fir may range in shades of cinnamon brown. Poles can be stained at the factory or at the installation site.

Installation options

Depending on load conditions, poles may be directly embedded in firm soil. Under heavy load, or in poor soil conditions, concrete embedment may be required. For projects requiring anchor bolt mounting, standard templates are provided for easy installation.

The raceway access hole for underground wiring is centered 2’6” below the ground line and rises 30 degrees to vertical for use where underground splicing is permitted. Above ground junction boxes of various types can be used. The ground line is marked on each standard at the correct depth for embedment in soil or concrete. Standards are branded just above ground line with the date of manufacture. Various brackets, cross arms and mounts are available.

Specifications

Poles are designed using procedures from the Timber Design Manual (AITC) and the APA — The Engineered Wood Association. Each pole or standard is incised from the base to 12” above the groundline mark. Poles used in steel bases are also incised 12” above the top of the base. This process allows for deeper penetration of the preservative in the area most vulnerable to rot and decay. The poles are pressure treated full length to provide maximum protection. The preservative specified, Pentachlorophenol, is dissolved in a light hydrocarbon solvent.

The specification standards cited are in accordance with the latest edition of the American Wood Protection Association (AWPA) Book of Standards. Standard references are P8, P9 (Type C), Section F, U1 and T1 Standards. Material will be treated to a minimum net retention of 0.60 PCF by assay as specified by the Use Category UC4A and UC4B (ground contact).

Measured luminaire weights and EPA loading criteria are easily calculated using formulas available upon request.
The Natural Look
We offer a secondary line of Port Orford cedar and Alaskan Yellow cedar for those who prefer a non-treated wood for use above ground.
- 8 to 35 foot lengths for above-ground installations
- Top caps, steel bases and mounting hardware available
- Smooth or textured surfaces

Setting the Standard for Engineered Wood:
www.woodlightpoles.com
800.556.1098

Pole Styles
TimberWood® offers a wide variety of poles styles, and sizes. Standard sizes for square poles are available in: 4-1/2” x 5-1/8”, 5-1/8” x 6”, 6” x 6-3/4” and 6-3/4” x 7”. Styles include Square, Round, Round Tapered, Hexagon and Curved. Custom sizes and styles are available upon request.

PRODUCTS SHOWN ACTUAL COLOR
POLE: Custom (6.76" x 6" x 16’)
ARM: 4’ cross arm
FIXTURE: Prairie II 0630

POLE: 12 Hex
FIXTURE: Heritage 6130C

POLE: Model 12PV
ARM: Model B-3, two-way cross arm
OPTION: Banner brackets, cross arm end cap
FIXTURE: Gallery 1960

POLE: Round Tapered
FIXTURE: Old Town A850SRLED

POLE: Custom (8” x 8” x 15’ PV)
FIXTURE: Prairie II 0630

POLE: Model 12PV
ARM: Model B-3, two-way cross arm
FIXTURE: Gallery 1960

POLE: 20C Curved
FIXTURE: Prairie Area Lighter PA130