



# Soleo 6131



**5 in x 1 in or 125 mm x 26 mm**

Technical datasheet



# Soleo 6131

WHS: Wood hybrid system



Architectural Eco-Technology



Section tolerances in mm: +/- 2.0 mm or +/- 3/32 in

The outer wpc layer is sanded. The provided dimensions are average thickness (as well for all drawing in that document)

**Fire rating:**

NFP 92 -507 : M2

**On request:**

NFP 92 -507 : M1

ASTM E-84 class A

Euroclass NF EN 135011 : B, s3-d0

Euroclass NF EN 135011 : A2, s3-d0

**Surfaces finish:** Sanded

Other surface textures available on request. Sanding finish and/or shading may vary between runs. WPC thickness may vary in compliance with flame test requirements.

**Profiles fastening and installation:** Check our website [www.geolam.com](http://www.geolam.com)

Technical information may change without warning.

**Standard length:** 9 ft 10 in | 3.0 m

**On order any length from:** 7 ft to 19 ft 8 in | 2.15 m to 6 m

**Weight:** 0.93 lb/ft | 1.39 kg/m

**Secondary moment Ix (cm<sup>4</sup>):** 4.77

**Secondary moment Iy (cm<sup>4</sup>):** 64.53

**Section modulus Z+x (cm<sup>3</sup>):** 3.68

**Section modulus Z-x (cm<sup>3</sup>):** 4.13

**Section modulus Z+y (cm<sup>3</sup>):** 10.49

**Section modulus Z-y (cm<sup>3</sup>):** 10.49

**Core in anodized aluminum alloy:** A6063S-T5 Serie 6000

**Coefficient of Thermal Expansion (20-100°C):**

23.4 μm/m/°C

**Modulus of Elasticity:** 68.9 GPa

**Max Tensile Strength:** 186 Mpa

**Carbon Footprint:**

WPC : 1.54 kg CO<sub>2</sub>/Kg WPC

Alu : 0.87 kg CO<sub>2</sub>/Kg Alu



Teak



Limba



Rosewood



Wenge



Bilinga



Carbon



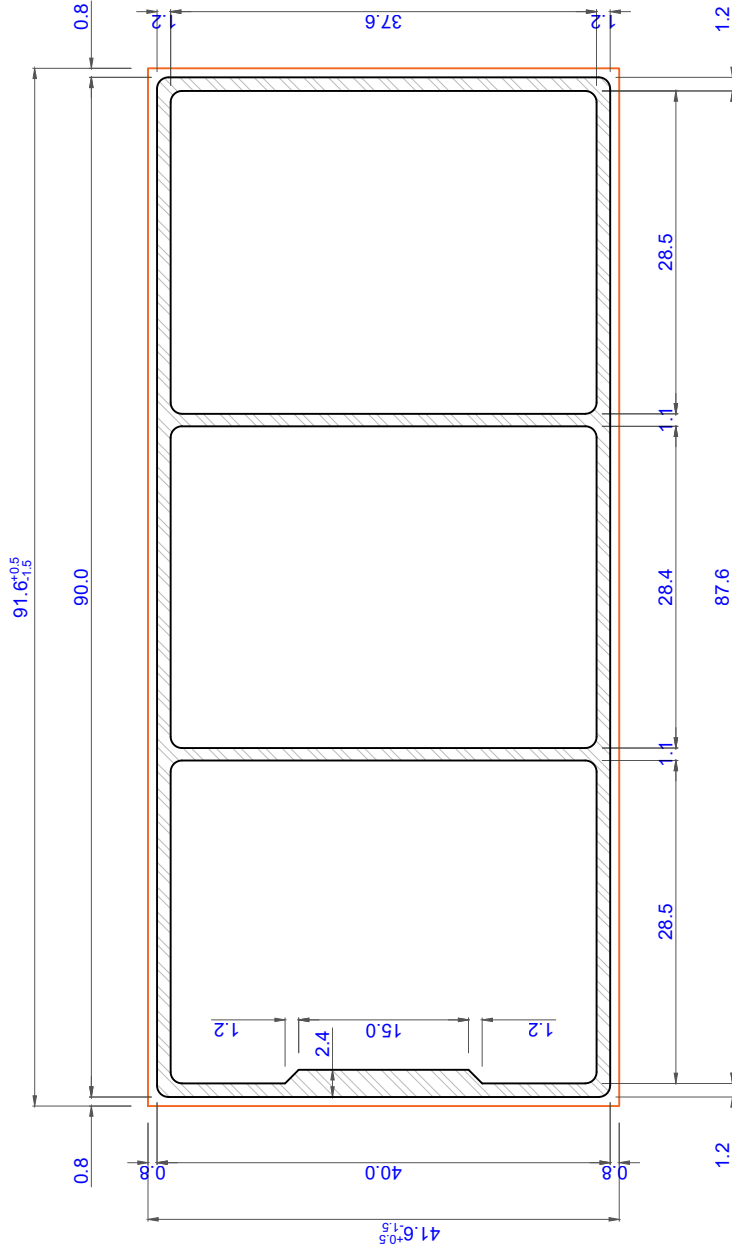
Ivory



Any color on request

## Accessories available

Connectors: Straight (180°)



**Technical specifications, dimensions in mm**

Weight (lbs/ft)	0.89	Cross section coefficient Z+x (cm <sup>3</sup> )	5.13	Wood hybrid system WHS	Type 1.0
Cross section, secondary moment Ix (cm <sup>4</sup> )	10.27	Cross section coefficient Z-x (cm <sup>3</sup> )	5.13	<b>Soleo 6117</b>	
Cross section, secondary moment Iy (cm <sup>4</sup> )	37.66	Cross section coefficient Z+y (cm <sup>3</sup> )	8.77		
		Cross section coefficient Z-y (cm <sup>3</sup> )	8.00		