

Tree Report of 42988



Genus
Peltophorum

Species
pterocarpum


Common Name
Yellow flame

Date of report
27th January, 2026

Address
Jalan Kenyalang P9 G

Position
2.9461458923521064, 101.67937801601556



 Static map of tree location



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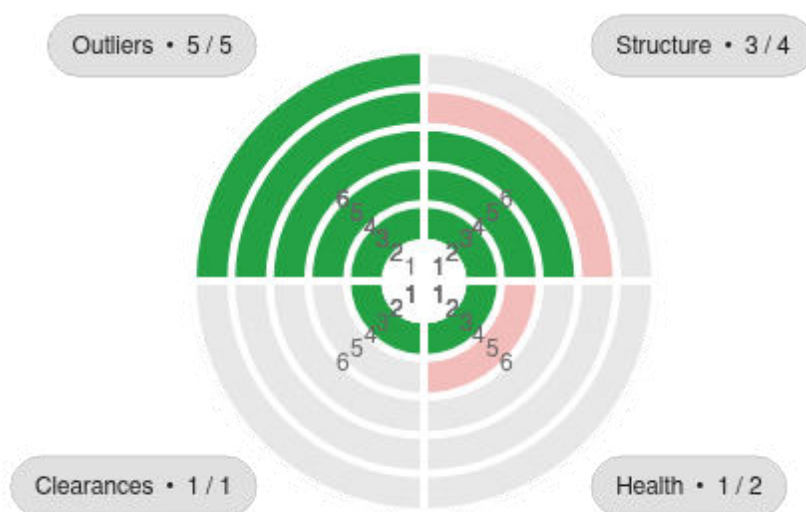
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Structural assessment

- ✗ Trunk stability (base)
- ✓ Crown Lean Angle
- ✓ Slenderness
- ✓ Dieback

Health & Vitality

- ✓ Dieback
- ✗ Foliage Transparency

Clearances

- ✓ Road

Outliers

- ✓ DBH vs Leaf Area
- ✓ Height vs Crown Volume
- ✓ DBH vs Height
- ✓ Leaf Area vs Crown Volume
- ✓ DBH vs Crown Volume

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Dimensions

Total Height	Very high	20.79 m	Crown Spread	Very large	15.22 m
Trunk Height	Very high	3.75 m	Tree Protection Zone	Very large	9.37 m
DBH	Very large	0.79 m	Root Protection Zone	Very large	14.05 m
Crown Height	Very large	15.82 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	26.64	Crown Lean Angle	Medium	6.71 °
Trunk Stability Index		1.97	Trunk Lean Angle	High	6.61 °
Critical Wind Speed		95 kmh			

Limbs

Number of Limbs	-	Fork Types	-
Codominant Stems	-	Cross-sectional shape	-
Included Bark	-		

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Health and vitality

Condition & Vigor

Dieback	Low	0%	Foliage Transparency	13.51%
Basal Area Increment	-		Leaf Area	Very large 2,146.28 m ²
NDVI	-		Leaf Area Index	Very high 11.93

Foliage

Leaf Area Density	Low	1.27 m ² /m ³	Live Crown Ratio	High	76.12%
Crown Volume	Very large	1,696.17 m ³			

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Benefits

Water management

Avoided Water Runoff	Very high	0.58 m ³ /yr	Evaporation	Very high	10.08 m ³ /yr
Potential Evapotranspiration	Very high	62.21 m ³ /yr	Transpiration	Very high	11.94 m ³ /yr
Water Intercepted	Very high	10.15 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,817.59 kg	CO Removal	Very high	19.44 g/yr
Carbon Sequestration	Very high	107.88 kg/yr	NO ₂ Removal	Very high	76.84 g/yr
Oxygen Production	Very high	285.07 kg/yr	O ₃ Removal	Very high	926.11 g/yr
PM _{2.5} Removal	Very high	48.36 g/yr	SO ₂ Removal	Very high	165.79 g/yr

Economical value

Cavat Value	Very valuable	21,160.55 £
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Outlier information

Height / Crown Volume	No	Trunk Diameter / Height	No
Height / Leaf Area	No	Trunk Diameter / Leaf Area	No
Leaf Area Density Outlier	No	Overall Outlier Index	Low 0
Trunk Diameter / Crown Volume	No		

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Clearances

Building Clearance

⌵ Not available

Road Clearance

✅ No issue

Wire Clearance

⌵ Not available

Traffic Sign Clearance

⌵ Not available

Visibility Clearance

⌵ Not available

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