

Tree Report of
41446



Genus
Peltophorum

Species
pterocarpum

Common Name
Yellow flame

Date of report
27th January, 2026

Address
Jalan Kenyalang P9 G

Position
2.947633573927348, 101.6811639048855



 Static map of tree location



Tree Report of 41446



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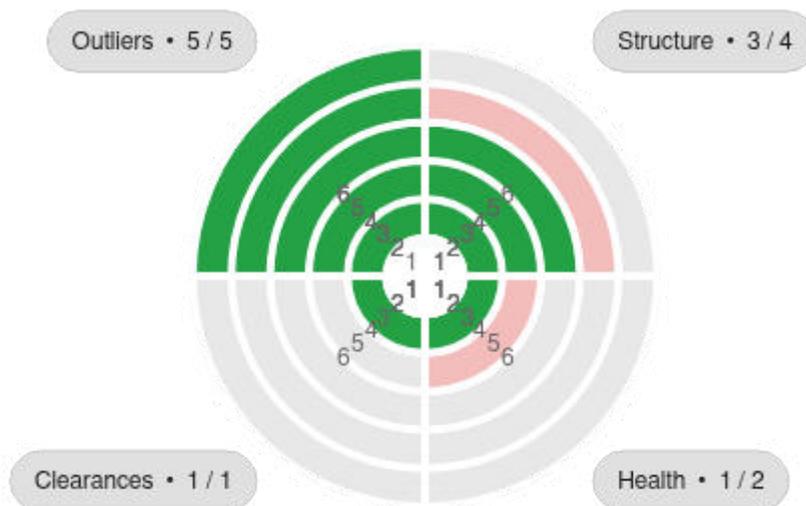
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Structural assessment

- ✗ 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	18.5 m	Crown Spread	Very large	20.75 m
Trunk Height	Very high	3.75 m	Tree Protection Zone	Very large	9.69 m
DBH	Very large	0.81 m	Root Protection Zone	Very large	14.54 m
Crown Height	Very large	10.66 m	Number Of Stems	Low	3

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Structural assessment

Stability

Slenderness	Low	22.92	Crown Lean Angle	Low	1.02 °
Trunk Stability Index		2.25	Trunk Lean Angle	Very high	16.9 °
Critical Wind Speed		100 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	17.58%
Basal Area Increment	-	-	Leaf Area	Very large 2,836.42 m ²
NDVI	-	-	Leaf Area Index	High 8.68

Foliage

Leaf Area Density	Low	0.97 m ² /m ³	Live Crown Ratio	Low 57.59%
Crown Volume	Very large	2,948.42 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.92 m ³ /yr	Evaporation	Very high	16.18 m ³ /yr
Potential Evapotranspiration	Very high	99.87 m ³ /yr	Transpiration	Very high	19.16 m ³ /yr
Water Intercepted	Very high	16.28 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,978.24 kg	CO Removal	High	5.41 g/yr
Carbon Sequestration	Very high	82.57 kg/yr	NO ₂ Removal	High	21.36 g/yr
Oxygen Production	Very high	218.2 kg/yr	O ₃ Removal	High	257.38 g/yr
PM _{2.5} Removal	High	13.44 g/yr	SO ₂ Removal	High	46.08 g/yr

Economical value

Cavat Value **Very valuable** 22,467.26 £

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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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