

Smartcities - Series

Artificial tree to sensorise cities and reduce visual impact

APPLICATION NON KIOSK



REPLACING STREET LAMPS WITH TREES for a positive visual effect in urban centres. Smart Palm Trees transform the aesthetics of large avenues by forming beautiful palm groves that facilitate the installation of efficient lighting and act as a support for other smart city applications: advertising displays; cameras and sensor networks for traffic, security or environmental regulation; Wi-Fi antennas; radio; telephony or public address systems.

Smart and profitable: Installing a Smart PalmTree costs the same as planting a natural palm tree, and the investment can be recouped thanks to the option of adding LED displays that enable advertising revenue to be generated through concessions.

The structure is made of steel and can withstand strong gusts of wind of up to 145 km/h.



PROFILE PRODUCT

Fabricante: Grupo EOS Ibérica
Origen: Fabricado y ensamblado en España
Tiempo estimado de producción: 8 semanas

ACCESS AND MAINTENANCE DOORS

Apertura: Superior e inferior
Nº de puertas: 2
Cerradura de seguridad: Ciego, Botón Home, Cam + Home

OPTIONAL COMPONENTS

In addition to the standard Coconut Palm model (8 m), other palms and trees are available:

Coconut:
> Artificial palm tree 8, 12, 25 metres
Canary:
> Artificial palm tree 8, 10 and 12 metres
Royal Palm:
> Artificial palm tree 6 and 8 metres
Alexandra:
> Artificial palm tree 4 and 6 metres
Pino:
> Artificial tree 4 and 6 metres
Abeto:
> Artificial tree 25 metres

Please enquire about the option of including communication towers.

OPTIONAL ADAPTED

Lamp Bracket: extension tube for standard luminaires
Lampost or LED Luminaire: 30W+30W Cree LED lamp in the shape of a leaf
IP 65 Watertight Box for integration of electronics and sensors
ePole LED: > High-definition LED Display
eMonitor Xtrem: > High-luminance LCD Screen
Dome Camera Bracket or Arm:
> Camera for security or artificial vision
> Traffic regulation camera
> Radar
Communications:
> Wi-Fi Access Point
> Mobile signal amplifier antenna
> Radio Station
> Signal Repeater
> IP65 Speakers for public address systems

STANDARDS DESIGN

Grado de Protección : > IK09
Grado de Estanqueidad : > IP65
Grado de Seguridad : > G02

STANDARD SPECIFICATIONS

Standard Model 8 m Coconut Palm:

Body: Conical tube 200/290 mm diameter
Foundation: 8 rods for concrete slab (1 M3)
Anchor: 540 mm circular base with 8 bolts
Trunk: Straight conical shaft
Bark: Textured polyester with scars
Crown Shaft: Simulation with natural fibres
Crown: 30 palm leaves of 3 sizes
Fruit: Set of coconuts of various sizes
Bud: Lightning conductor with earth connection
Roots: Simulation of roots according to model
Finish: Natural varnishes with matt waxes

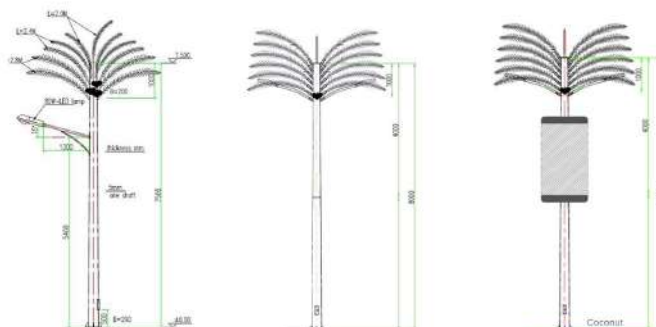
MATERIALS – DIMENSIONS – WEIGHT

Material:
Structure: Q345B 4 mm steel
Body: Conical hollow dodecagon shell
Coating: Textured polyester resin
Dimensions:
8 metres in height
Structure weight:
> 600 Kg

PRODUCT VALUES

- > Blends in and adapts to the surroundings
- > Economical product with recoverable investment
- > High durability with minimal maintenance
- > Requires no watering or pruning
- > Minimises visual and aesthetic pollution
- > Complete resistance to pests: Red palm weevil, yellow worms, etc.
- > Easy access to installation and inspection doors

PRODUCT MEASUREMENTS AND VERSIONS



MOST COMMON APPLICATIONS

- > Smartcity
- > Public and private lighting
- > Radio and TV repeaters
- > Security cameras
- > Road safety and speed cameras
- > Public address systems
- > Wi-Fi and mobile phone antennae
- > Air quality monitoring
- > Noise pollution meter
- > Advertising support and Digital signage

ALTERNATIVE REFERENCES

- > eUrban
- > ePie Xtrem

MOST COMMON SECTORS

- > Construction and civil engineering (housing developments, business parks, squares and gardens, circuits, roads, etc.)
- > Public Administration and Local Councils
- > Logistics and transport
- > Airports, seaports, and stations
- > Tourism, hospitality, and catering
- > Communication, advertising, and marketing
- > Retail (shopping centres, petrol stations)

CASE STUDY



DETAIL



CASE STUDY



DETAIL

