

wingstyle



wingstyle, architecturally concealed site, is a design concept that combines technology and functionality - in this case relating to public transport, with the present-day aesthetic and functional needs in small and large urban areas.

The supporting structure consists of tapered, metal shafts, which are slip-jointed. No joints are visible on the outer surface of the pole.

The **wingstyle** Tristar top is manufactured in light blue Vitroplex^{plus}, a radio-electrically transparent material that resembles frosted glass. The shrouding is hot-formed and firmly fixed to the pole. Up to 3 panel antennas can be installed inside of the three-point star. Dish antennas can also be mounted on the summit mast.

The canopy materials match all the other parts of the structure, moving **wingstyle** from a traditional radio base station to an attractive piece of urban furniture with an integrated covered waiting area. **wingstyle** is available in two canopy shapes: symmetrical and asymmetrical, each of 5 or 6 metres in length.



Design

Structural steel design according to the most recent European Standard. Designs to other International Standards (EIA, BS, NV65) available upon request.

- Design wind speed (Eurocode 1 - EN 1991) 28 m/s (terrain category III)
- Design wind speed (EIA 222) 150 km/h
- Constant operational wind speed on entire height 100 km/h
- Top deflection (operational wind speed) <1°



Materials

The materials comply with the requirements of European Standards (EURONORM).

- Structural parts S355J0 (Fe 510 C) EN 10025
S235JR (Fe 360 B) EN 10025
- Nuts and bolts class 8.8 EN 20898-1
- Canopy inox AISI 304
- Summit shrouding Vitroplex^{plus}, semi-transparent material with frosted finish & canopy covering resistant to: UV, weak acids, grease, oils, water, impact (hail); B-s1, d0 to EN 13501-1 fire resistance

All steel materials are protected by hot-dip galvanizing in accordance to Euronorm EN 1461 and ASTM A123 Standards.



Supply

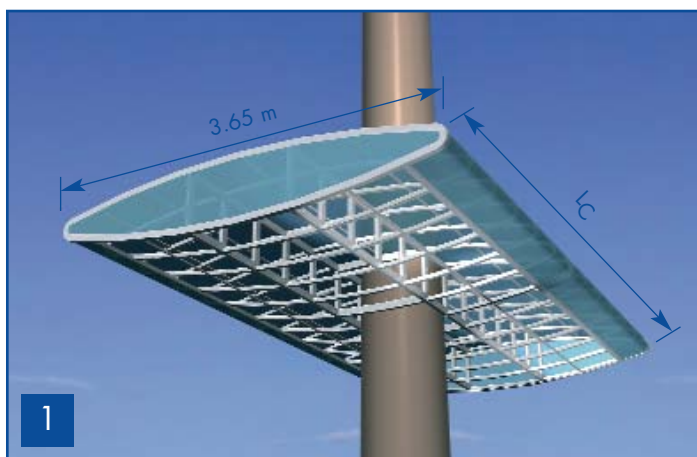
The standard supply provides the minimum configuration required for pole commissioning, excluding radiant systems and mounts.

- Foundation set
- Supporting structure, divided into shafts
- Paint finish of metallic structure in rust brown colour or RAL 9007 aluminium grey
- Vitroplex^{plus} shrouding in the form of a three-point star at the summit
- Stainless steel canopy with Vitroplex^{plus} covering
- Summit mast
- Packing list with assembly and maintenance instructions
- Packing

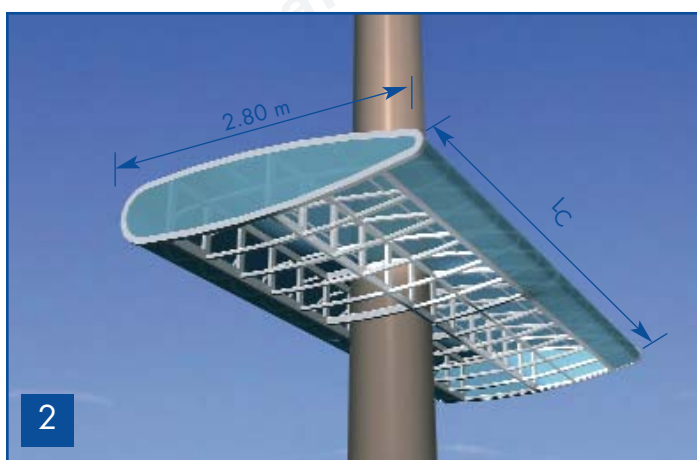
For a description of the accessories and ordering information, please refer to the [Accessories](#) catalogue.

All legal rights in this document are the exclusive property of calzavara and no part of it may be reproduced or communicated to any other party without our authorization. All data in this catalogue is for reference only and may be changed without notice, in line with our policy of continuous technical development.





symmetrical canopy



asymmetrical canopy

How to order

Specify canopy type and length by adding one of the following codes to the article:

- Canopy model: 1 (symmetric) or 2 (asymmetric)
- Canopy length: L_c
5 ($L_c = 5.0$ m) - 6 ($L_c = 6.0$ m)

Example: **WING 3025** **1** **5** — canopy length
 structure code | canopy type 1
 H = 30 m



Article	Structure height	Shrouding height	Gross weight	Number of 40' OT containers for shipment	Foundation concrete volume	Foundation excavation volume
	H	H ₁				
	m	m	tons	No.	m ³	m ³
WING 2025 ..	20	2.5	3.5	2	10	17
WING 2525 ..	25	2.5	4.0	2	11	20
WING 3025 ..	30	2.5	5.1	2	12	25
WING 2135 ..	21	3.5	3.7	2	11	20
WING 2635 ..	26	3.5	4.2	2	12	25
WING 3135 ..	31	3.5	5.3	2	14	29

All legal rights in this document are the exclusive property of calzavara and no part of it may be reproduced or communicated to any other party without our authorization. All data in this catalogue is for reference only and may be changed without notice, in line with our policy of continuous technical development.

