

8 dBd Omnidirectional Base Station and Marine Antenna
for the 2000 MHz Band

DESCRIPTION

- Vertically polarized, omnidirectional base station and marine antenna.
- The CXL 2000-8LW/... is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.
- The antenna element is sealed in a high-quality glass fibre tube
- Provided with the sturdy "LW" mast mount – a lightweight, multipurpose, epoxy-coated mounting bracket made of non-corrosive aluminium.
- The accompanying U-bolts and fittings are made of stainless steel.
- To be mounted on vertical or horizontal mast tubes, 16 to 54 mm in outer diameter.
- The cable can be led either on the outside or along the inside of the mast tube.
- Large bandwidth with respect to both SWR and gain.
- Highly suitable for duplex operation with large spacing between the TX and the RX frequencies.
- All metal parts in the antenna are DC-grounded to reduce the noise caused by atmospherical discharge. Consequently, the antenna shows a DC-short across the coaxial cable.

SPECIFICATIONS

Electrical	
Model	CXL 2000-8LW/...
Frequency	2025 - 2105 MHz
Antenna Type	Collinear, broad-band
Max. Input Power	100 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	6 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	8 dBd (10.2 dBi)
VSWR	< 2.0:1
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
HCM Code(s)	

Mechanical	
Connection(s)	N(f)
Materials	Shroud: Polyurethane-coated glass fiber Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel
Colour	White (RAL 9003)
Wind Area	0.037 sq. m / 0.40 sq. ft
Wind Load	53 N (160km/h)
Dia. At Top End	23 mm / 0.91 in.
Dia. At Bottom End	23 mm / 0.91 in.
Height	1620 mm / 63.78 in.
Weight	0.8 kg / 1.76 lb
Mounting	On 16 to 54 mm dia. mast tube

Environmental	
Operating Temperature Range	-30°C to +70°C
Survival Wind Speed	200 km/h
Ingress Protection	IP66

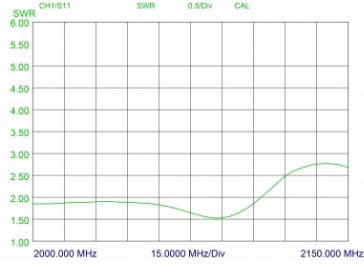
ORDERING

Model	Product No.	Frequency
CXL 2000-8LW/m	100000634	2025 - 2105 MHz

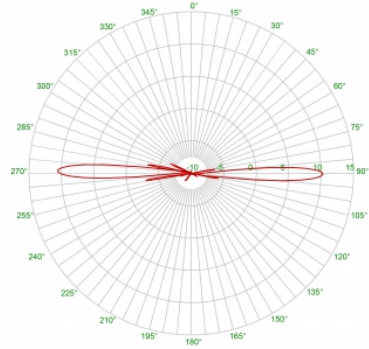


DIAGRAM

TYPICAL SWR CURVE



TYPICAL RADIATION PATTERN (E-PLANE)



MULTI-PURPOSE MOUNTING
BRACKET

