

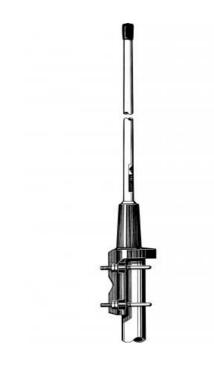
Universal, 3 dBd Base Station and Marine Antenna for the 900 MHz Band

DESCRIPTION

- CXL 900-3LW/Im is a 3 dBd, vertically polarized, omnidirectional rod-type base station and marine antenna which covers the 900 MHz band.
- The carefully designed, broad-banded antenna element is sealed in a high-quality, conical glass fibre tube with low wind-load, which will ensure performance undisturbed by corrosive environments.
- The phasing of the radiating elements is adjusted to yield maximum gain in the horizontal plane, with the level of the sidelobes reduced to a minimum.
- Provided with the sturdy "LW" mast mount a lightweight, multipurpose, epoxycoated 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
- > The cable can be led either on the outside or along the inside of the mast tube.
- > Large bandwidth with respect to both VSWR and gain.
- To substantially reduce noise caused by atmospherical discharges, all metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.
- The CXL 900-3LW/lm is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



Electrical		
Model	CXL 900-3LW/lm	
Frequency	Models within 860 - 925 MHz	
Antenna Type	Collinear, broad-band	
Max. Input Power	100 W	
Polarisation	Vertical	
Pattern Type	Omnidirectional	
3 dB Beamwidth, E-Plane	30 °	
3 dB Beamwidth, H-Plane	Omnidirectional	
Impedance	50 Ω	
Gain	3 dBd (5.2 dBi)	
VSWR	< 1.5:1	
Bandwidth	65 MHz	
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)	
HCM Code(s)	HCM000ND00, 015DE50	



Mechanical		
Connection(s)	N(f)	
Materials	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated U-bolt and fittings: Stainless steel	
Colour	White (RAL 9003)	
Wind Area	0.021 sq. m / 0.23 sq. ft	
Wind Load	14 N (160 km/h)	
Dia. At Top End	12 mm / 0.47 in.	
Dia. At Bottom End	16 mm / 0.63 in.	
Height	Approx. 700 mm / 27.56 in.	
Weight	Approx. 0.66 kg / 1.46 lb.	
Mounting	On 16 - 54 mm / 0.63 - 2.13 in. dia. mast tube	

Environmental	
Operating temperature range	-30 °C to +70 °C
Ingress Protection	IP66

ORDERING

Model	Product No.	Frequency	
CXL 900-3LW/lm	110000377	860 - 925 MHz	



PROCOM A/S reserves the right to

amend specifications without prior notice