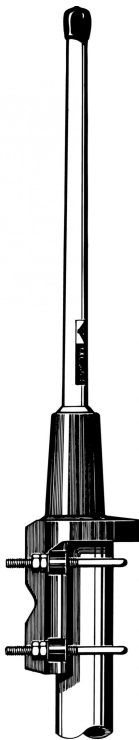


# CXL 2400-1LW/...

0 dBd Omnidirectional Base Station and Marine Antenna for the 2400 MHz Band

### DESCRIPTION

- Vertically polarized, omnidirectional base station and marine antenna.
- 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.
- The antenna element is sealed in a high-quality, conical glass fibre tube.
- The CXL 2400-1LW/... is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



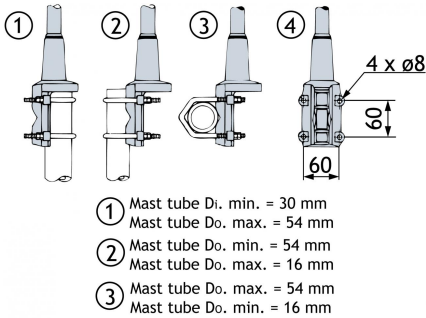
### ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY
CXL 2400-1LW/l	100000196	2300 – 2500 MHz
CXL 2400-1LW/m	100000195	2400 – 2600 MHz
CXL 2400-1LW/h	100000309	2500 – 2700 MHz

### SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 2400-1LW/...
ANTENNA TYPE	Coaxial, collinear antenna, broadbanded
FREQUENCY	Models within 2300 – 2700 MHz
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	≥ 100 MHz @ SWR ≤ 1.5
SWR	≤ 2.0, typ. ≤ 1.5
MAX. POWER	100 W
MECHANICAL	
TEMP. RANGE	-30°C → +70°C
CONNECTOR	N-female
WIND SURFACE	Approx. 0.02 m²
WIND LOAD	Approx. 26 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel
TOTAL HEIGHT	Approx. 400 mm
DIA. IN TOP END	14 mm
DIA. IN BOTTOM END	16 mm
WEIGHT	Approx. 400 g
MOUNTING	On 16 to 54 mm dia. mast tube

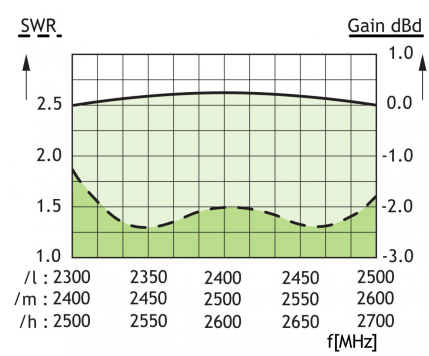
### MULTI-PURPOSE MOUNTING BRACKET



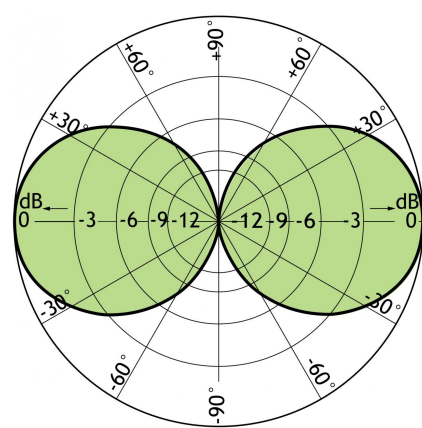
### PLEASE NOTE

The antenna is delivered with a DC-connection between the antenna element and the mounting bracket.

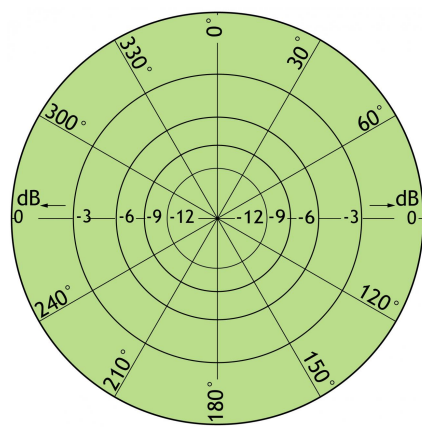
TYPICAL GAIN AND SWR CURVES




TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



 PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis.  
11/11/11