

CXL 2400-8LW/...

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

PROCOM

DESCRIPTION:

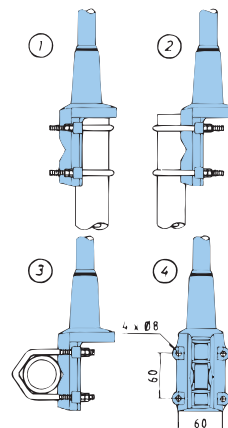
- ★ Vertically polarised, omnidirectional marine and base station antenna.
- ★ Approximately 8 dBd gain.
- ★ Provided with the sturdy “LW” mast mount – a lightweight, multipurpose, epoxy-coated mounting bracket made of non-corrosive aluminium.
- ★ The accompanying U-bolts and fittings are made of stainless 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 glassfiber tube.
- ★ 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.
- ★ The CXL 2400-8LW/... is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style marine and base station antenna.

SPECIFICATIONS:

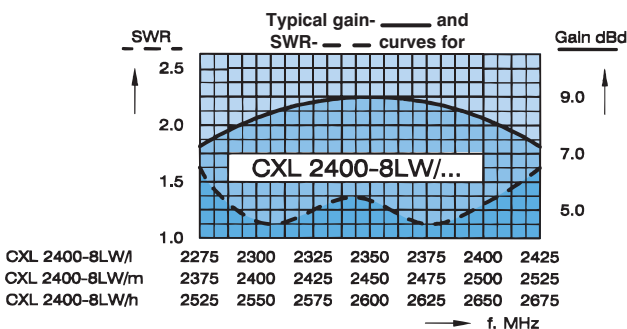
| ELECTRICAL | |
|-----------------------|---|
| MODEL | CXL 2400-8LW/... |
| ANTENNA TYPE | Coaxial, colinear antenna, broad-banded |
| FREQUENCY | Models within 2300–2660 MHz |
| IMPEDANCE | Nom. 50 Ω |
| POLARISATION | Vertical |
| GAIN | Average gain 10 dBi (8 dBd) |
| BANDWIDTH | ≥100 MHz at SWR ≤ 1.5 |
| SWR | ≤ 1.5 |
| MAX. POWER | 100 watt |
| ANTISTATIC PROTECTION | All metal parts DC-grounded (Connector shows a DC-short) |
| MECHANICAL | |
| TEMP. RANGE | -30° C → +70° C |
| CONNECTOR | N-female |
| WIND SURFACE | Approx. 0.033 m ² |
| WIND LOAD | Approx. 36 N (at 150 km/h) |
| COLOUR | Marine white |
| MATERIALS | Shroud: Polyurethane coated glassfiber Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel |
| TOTAL HEIGHT | Approx. 1.15 m |
| DIA. IN TOP END | 21 mm |
| DIA. IN BOTTOM END | 23 mm |
| WEIGHT | Approx. 900 g |
| MOUNTING | On 16–54 mm dia. mast tube |

| ORDERING DESIGNATIONS | |
|-----------------------|---------------|
| TYPE NO. | FREQUENCY |
| CXL 2400-8LW/l | 2300–2400 MHz |
| CXL 2400-8LW/m | 2400–2500 MHz |
| CXL 2400-8LW/h | 2530–2660 MHz |

MULTI-PURPOSE MOUNTING BRACKET:



- ① Mast tube D_i, min. = 30 mm
Mast tube D_o, max. = 54 mm
- ② Mast tube D_o, max. = 54 mm
Mast tube D_o, min. = 16 mm
- ③ Mast tube D_o, max. = 54 mm
Mast tube D_o, min. = 16 mm



PLEASE NOTE:

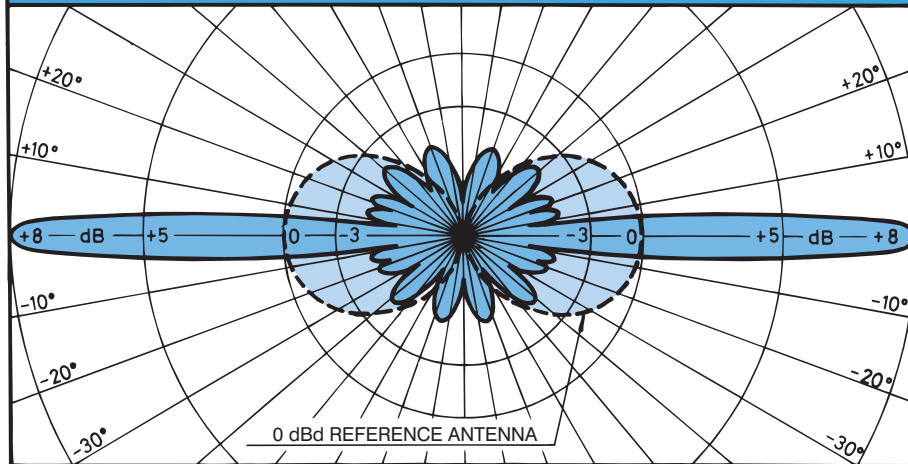
The antenna is delivered with a DC-connection between the antenna element and the mounting bracket.

PROCOM A/S reserve the right to amend specifications without prior notice.

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TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

