

Lindenblad dipole array, FM broadcast

DESCRIPTION

The S.LBLAD array is designed for mixed polarisation broadcast on FM radio systems. The array consists of four folded dipoles affixed to a rugged mounting bracket, fed in phase from a machined power splitter, to achieve an omnidirectional mixed polarisation antenna. The arrays give a maximum gain of 0.5dBd. The balun assembly is completely encapsulated in polyurethane resin, totally preventing moisture ingress. The power splitter / array input is terminated standard with an 'N' type female.

- Former Skymasts brand product.

SPECIFICATIONS

Electrical	
Frequency	88 - 108 MHz
Max. Input Power	600 W
Polarisation	Mixed
3 dB Beamwidth, E-Plane	65 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	0.5 dBd (2.7 dBi)
VSWR	< 1.2:1
Bandwidth	Optimised for single transmit frequency
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Elements	19 dia. x 1.6 mm wall aluminium alloy grade 6063T6
Connection(s)	N(f) on 3m RG213/U cable
Dipole Boom	31.7 mm dia. x 2.6 mm wall aluminium alloy grade 6082T6
Fasteners	Stainless steel grade A2-70
Element Clamps	Diecast Al / Zinc alloy
Weight	17 kg / 37.48 lb
Mounting Bracket	Welded flange bracket to suit 50mm support pole
Balun Encapsulant	Polyurethane Resin U-600

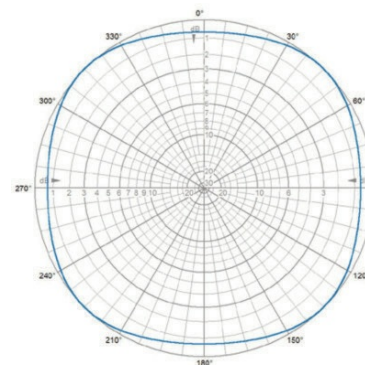
ORDERING

Model	Product No.	Frequency
Lindenblad dipole array, FM broadcast	LBLAD-600	88 - 108 MHz



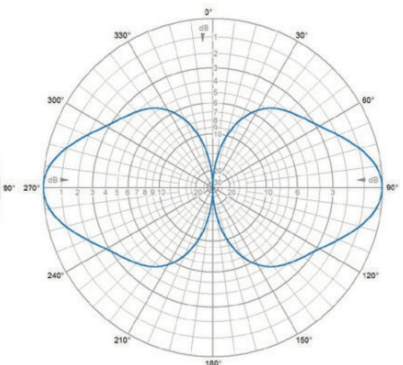
DIAGRAM

RADIATION PATTERNS



Azimuth | 98 MHz

RADIATION PATTERNS



Elevation | 98 MHz

