

COLU-100/4E

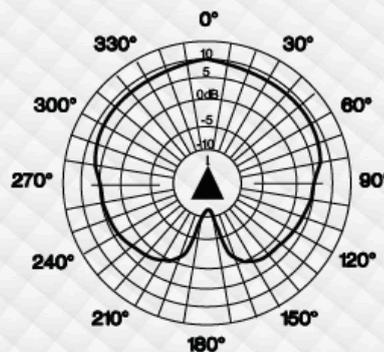
FIXED COLLINEAR ANTENNA OMNIDIRECTIONAL UHF

Omnidirectional collinear antenna with 10 dBi gain for the UHF band.

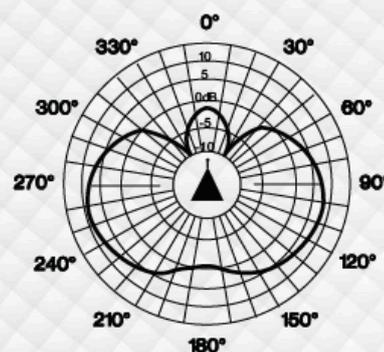
Constructed of aluminum, this antenna is suitable for repeater stations.

It has a low radiation angle, ensuring excellent coverage on uneven terrain.

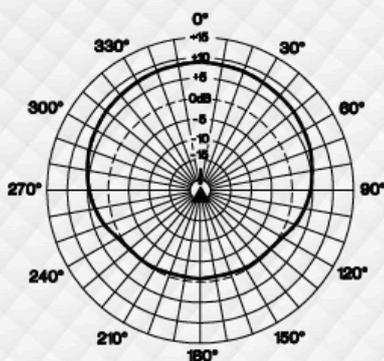
Due to its technical characteristics, this antenna is especially suitable for high-traffic radio communication systems.



Elements arranged for the tower



Elements positioned for tower



Antenna mounted on top of tower



Partnumber	Model	Range
502147	COLU-100/4E	360 / 380 MHz

ELECTRICAL SPECIFICATIONS	
VSWR	≤ 1,5 : 1
Polarization	Vertical
Nominal impedance	50 Ω
Maximum power	350 Watts
Half-power angle	Horizontal 370 MHz 180°
Half-power angle	Vertical 370 MHz 7°

MECHANICAL SPECIFICATIONS	
Gondola diameter	44,45 mm
Gondola length	2700 mm
Weight	8,100 Kg
Area exposed to wind	0,4543 m ²
Withstands winds of up to	100 Km/h
Basic material	Aluminum
Connector	N female
Operational wind	≥ 110Km/h
Survival wind	≥ 200Km/h

GAIN	SETTINGS
10 dBi	Omnidirectional dipoles
8 dBi	Bidirectional dipoles
10 dBi	Offset dipoles