

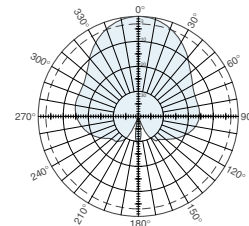
The Kathrein K731221 corner reflector antenna is intended for use in professional fixed-station applications in the 360–490 MHz band. It features:

- Weather-resistant aluminum construction.
- Stainless steel mounting hardware and fasteners.
- All metal parts are DC grounded.

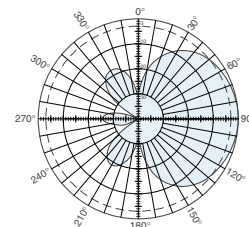
**Specifications:**

Frequency range	360–490 MHz
Gain	11 dBi
Impedance	50 ohms
VSWR	360–490 MHz <1.5:1 400–470 MHz <1.3:1
Polarization	Vertical
Maximum input power	180 watts (at 50°C)
H-plane beamwidth	44 degrees (half-power)
E-plane beamwidth	67 degrees (half-power)
Connector	N female
Weight	6.2 lb (2.8 kg)
Dimensions	45.5 x 22.7 x 19.7 inches (1155 x 577 x 500 mm)
Equivalent flat plate area	1.35 ft <sup>2</sup> (0.125 m <sup>2</sup> )
Wind survival rating*	90 mph (150 kph)
Shipping dimensions	33.1 x 20.6 x 7.4 inches (842 x 524 x 187 mm)
Shipping weight	8.8 lb (4 kg)
Mounting	For masts of 1.2 to 2.125 inches (30 to 54 mm) OD.

*See reverse for order information.*



H-plane  
Horizontal pattern – V-polarization



E-plane  
Vertical pattern – V-polarization

\* Mechanical design is based on environmental conditions as stipulated in EIA-222-F (June 1996) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.

**Order Information:**

Model	Description
K731221	Corner reflector antenna



10681-B  
936.034/a

All specifications are subject to change without notice.  
The latest specifications are available at [www.kathrein-scala.com](http://www.kathrein-scala.com).