

# LN Series



**Since ever quality  
and tradition<sup>®</sup>**

**Remarkable electrical performances  
and mechanical stiffness at  
competitive price.**

## Serie LN

- Excellent price/performance
  - High stability, clean design, reliable reception, easy to install and high durability
  - Dishes are available in aluminum or galvanized steel, powder coated with U.V. inhibited polyester-based finishes in RAL 7035 (light grey) colour. RAL7011 (iron grey) and RAL8012 (red brown) colours are available for aluminium reflectors only
  - Az/EI mount in dual sided sendzimir galvanized steel, zinc-planted hardware
  - Feedarm in aluminum. LNB Holder in thermoplastic
- Optionals:
    - polarmount (for 85 and 100 cm. only)
    - upgrade kit for diecast feedholder
    - multifeed adapters
    - high performances feed



## LN Series

Technical Specification	OP 65 LN	OP 75 LN	OP 85 LN	OP 100 LN
Frequency range (GHz)	10.00-13.00	10.00-13.00	10.00-13.00	10.00-13.00
Outside dimension (cm)	67.0 x 71.5	75.0 x 80.0	85.0 X 90.5	97.0 x 104.0
Reflecting dimension (cm)	63.0 x 67.5	72.0 x 77.0	81.5 x 87.0	94.0 x 101.0
Illumination efficiency <sup>(1)</sup> (%)	69	69	70	70
Gain <sup>(1)</sup> @ 10.70 GHz (dB)	35.20	36.60	37.80	39.00
Gain <sup>(1)</sup> @ 11.70 GHz (dB)	36.00	37.40	38.50	39.70
Gain <sup>(1)</sup> @ 12.75 GHz (dB)	36.80	38.20	39.20	40.50
Cross polarization <sup>(1);(2)</sup> on axis (dBc)	-24	-24	-26	-28
First side lobe level <sup>(1);(2)</sup> (dBc)	-21	-24	-24	-24
Noise temp. <sup>(1)</sup> @ 12GHz, 30° elevation(K)	46	42	40	38
F/D ratio	0.66	0.67	0.67	0.66
-3 dB Beam width <sup>(1)</sup> @11.7GHz	2.6°	2.2°	1.95°	1.7°
Offset pointing angle	21.3°	21°	21.1°	21°
Feed illumination angle	70°	70°	69°	70°
Feeder clamp (mm)	40/23	40/23	40/23	40/23
Elevation angle	0° - 80°	0° - 80°	0° - 80°	0° - 80°
Mast clamp (mm)	30 - 90	30 - 90	30 - 90	30 - 90
Alu reflector thickness (mm)	1.0	1.0	1.2	1.3
Steel reflector thickness (mm)	0.7	0.7	0.8	0.9
Wind-load @ 120 km/h (kg)	46	58	75	98
Antenna net weight with aluminum dish (kg) <sup>(3)</sup>	4.2	4.6	5.4	7.1
Antenna net weight with steel dish (kg) <sup>(3)</sup>	5.7	6.3	7.7	10.5
Working temperature	-30°/+70°	-30°/+70°	-30°/+70°	-30°/+70°
Humidity	0-100%	0-100%	0-100%	0-100%

<sup>(1)</sup> Value whit matched feed

<sup>(2)</sup> Value @ 10.95GHz

<sup>(3)</sup> Net weight without package

## LN Series Optional Accessories

## Gibertini SRL

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