

Reliable groove reading, accurately articulating
the most delicate music signals pressed on vinyl.

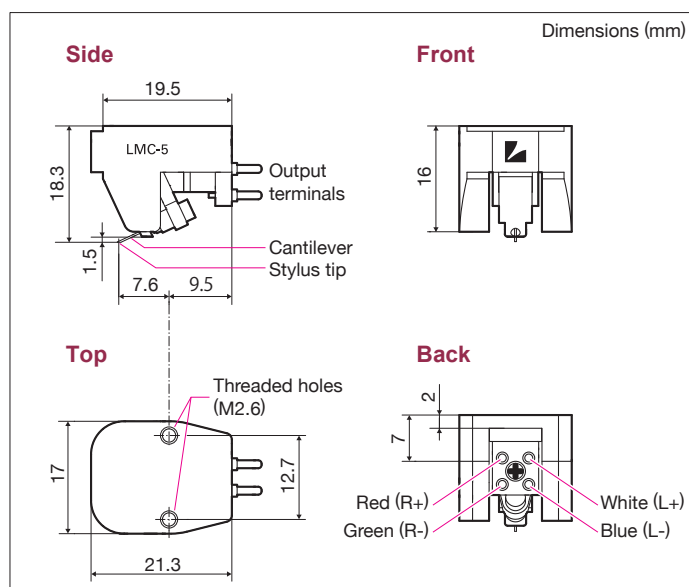
LUXMAN's latest phono cartridge is the LMC-5. After 40 years' experience, our aim was to design it to have sensitivity to all the musical information pressed on a record. The MC type power generation engine features a cross-mounted iron core with a compact magnetic system to improve efficiency. For the vibration detection system, we selected a combination of an aluminum cantilever and a SHIBATA stylus, which boasts excellent tracing ability. In addition, the unique housing structure was achieved by repeated prototyping and fine tuning. We have developed this cartridge with confidence for all those who love vinyl and value its musicality.



■ Stylus and power generation engine

LUXMAN has consistently designed components for vinyl playback such as our PD series analog players and our E/EQ phono equalizer amplifier series. After a development period of 2 years, the LMC-5 is LUXMAN's first original cartridge in 40 years. For the stylus, in order to read the musical information pressed on the record accurately and reliably, we selected a combination of an aluminum cantilever with high tracing ability and a SHIBATA stylus to pick up a large amount of information with less audible noise. In order to secure the fulcrum of the vibration system, a low distortion structure has been realized by using the one-point "piano wire" support method. The MC type power generation engine uses a cross mounted iron core with the coils for the left and right channels wound symmetrically. Adopting a magnetic structure with a small field area reduces the intrusion of external noise. We have achieved significant size and weight reductions.

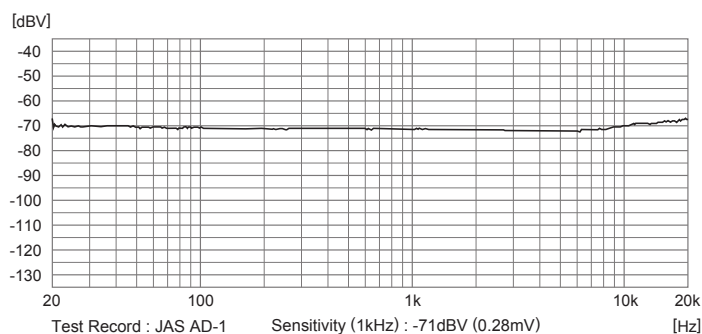
■ Dimensions



■ Body structure and design

From our experiences with closed body designs, the coil and cantilever can act like a microphone, picking up the reflected sound, therefore reducing the enclosure results in less sound coloration. In order to prioritize weight reduction and resonance countermeasures, the housing is crafted down to a minimal design which still firmly supports the power generation engine. The minimized outer chassis has an inverted egg-shaped curve that suppresses unnecessary reflected sound and vibrations. The machined aluminum body is anodized to a deep red, which is LUXMAN's corporate color, and with the L mark logo laser-etched on the front, it subtly asserts LUXMAN's identity. Each one is carefully assembled by our team of craftspeople, the best in Japanese cartridge manufacture, and delivered to music lovers, worldwide.

■ Frequency response



Replacement of stylus tip

This unit has a fixed stylus tip. If you wish to replace it due to wear on the stylus tip over time, please consult with the store where you purchased it or contact your local LUXMAN distributor.

SPECIFICATIONS

Type	MC (MOVING COIL)
Internal impedance	4.7Ω (1kHz)
Tracking force	2.1 to 2.3g (2.2g as standard)
Output voltage	0.4mV (1kHz, 3.54cm / sec.)
Frequency response	10Hz to 35kHz
Channel separation / balance	28dB (1kHz) / 0.5dB (1kHz)
Recommended load impedance (when head amplifier is connected)	40Ω or more
Recommended load impedance (When step-up transformer is connected)	2.5 to 10Ω
Dynamic compliance	8 x 10 ⁻⁶ cm / dyne (100Hz)
Stylus	Solid diamond / SHIBATA stylus

Cantilever	Φ0.5mm aluminum
Vertical tracking angle	25°
Magnet	Samarium-cobalt magnet BH20
Coil	30μm UEW
Material of magnetic circuit	Pure iron
Terminals	Φ1.2mm, White (L+), Blue (L-), Red (R+), Green (R-)
Body	Aluminum A6063
Dimensions, Threaded holes	17.0 (W) x 18.3 (H) x 21.3 (D)mm (excluding terminals), M2.6mm x 2
Weight	8.5g
Accessories	Manual, Washer x 2, Screws M2.6 (5mm x 2, 8mm x 2, 10mm x 2), Hex wrench and stylus cover

* Specifications and appearance are subject to change without notice. * The products listed in this catalog do not include line cables. Please purchase cables separately.

LUXMAN

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LUXMAN reserves the right to alter the design and specifications without notice.

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Safety Cautions

To ensure correct use of this product, read the "Owner's Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents.

