

PROJECT	FIRM	ORDER #	TYPE	QTY
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The PL-SFX LMH300 is a 300 W laser moving head delivering bright, long-lasting illumination with an adjustable beam from a tight spotlight to a wide wash. Smooth pan/tilt movement, vibrant colours and customizable effects – multiple patterns, prisms and strobe – create dynamic visuals.

Control via DMX 512 / RDM, automatic programs or sound activation, with a touch display for settings including fan speed and usage time. Built for tough conditions with a weather-resistant IP66 design, waterproof connectors, automatic cooling and overheat protection – ideal for concerts, stage productions, outdoor events and architectural lighting.

Features

- 300 W laser source with a 160 mm output aperture; ≥ 12,000-hour life.
- Colour wheel (13 colours + white) and 17-gobo static wheel; dual prism (8-facet + honeycomb).
- Continuous zoom and electronic focus – tight spotlight to wide wash.
- 540° pan / 270° tilt with built-in position calibration; 0-20 Hz strobe.
- DMX 512 / RDM, automatic programs and sound activation; 12 / 15 channels.
- IP66 magnesium-alloy body, waterproof connectors, auto cooling and overheat protection; touch display.

At a glance

<p>⚡ Power 300 W laser · 400 W</p>	<p>◆ Protection IP66</p>	<p>☀ Beam Zoom · 160 mm aperture</p>	<p>↗ Movement 540° pan · 270° tilt</p>	<p>⚡ Control DMX · RDM · sound 12 / 15 channels</p>	<p>★ Source life ≥ 12,000 h</p>
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Variant matrix

DMX channel modes (12 / 15-channel).

PL-SFX LMH300	Mode	Channels	Movement	Effects	Control	Source
Standard	12-channel	12	540° / 270°	Colour · gobo · prism	DMX / RDM	300 W laser
Extended	15-channel	15	540° / 270°	+ zoom · focus · strobe	DMX / RDM	300 W laser

Specifications

Series	Projector Series — Laser Moving Head
Model	PL-SFX LMH300
Light source	300 W laser
Light output aperture	160 mm
Colour temperature	7500 K
Zoom range	Continuous (from 1° beam)
Dimming	0-100% linear
Colour wheel	1 — 13 colours + white
Gobo wheel	1 static — 17 interchangeable gobos
Prism	2 — 8-facet + honeycomb
Focus	Electronic
Strobe	0-20 Hz
Pan / tilt	540° / 270° (position calibration)
Control mode	DMX 512 / RDM · auto · sound
DMX channels	12 / 15
Protection class	IP66
Input voltage	AC 90-240 V · 50/60 Hz
Power consumption	400 W
Material	Magnesium alloy
Light source life	≥ 12,000 hours
Net weight	22 kg
Dimensions	415 × 240 × 706 mm

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Dimensions

Fixture

Overall 415 × 240 × 706 mm (41.5 × 24 × 70.6 cm); net weight 22 kg. Magnesium-alloy body with a 160 mm output aperture on a moving-head yoke (540° pan / 270° tilt).

Optics & effects

Colour wheel (13 + white), 17-gobo static wheel, dual prism (8-facet + honeycomb), continuous zoom and electronic focus, 0–20 Hz strobe.

Installation

Rigging

- Rig the moving head by its bracket / omega clamps to truss or a stable surface, allowing clearance for 540° pan and 270° tilt. Run the built-in position calibration after installation.
- The touch display shows operating modes, fan speed and source usage time.

Electrical & control

- Power from AC 90–240 V, 50/60 Hz (400 W) via the waterproof power connectors.
- Control over DMX 512 / RDM (12 or 15 channels), automatic programs or sound activation.
- IP66 — weather-resistant with automatic cooling and overheat protection; seal all connectors.

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Configure your product

The PL-SFX LMH300 is a single fixture — select the DMX channel mode (12 or 15) to suit your console. Gobos are field-interchangeable on the 17-position static wheel.

#	Setting / options
1	Control: DMX 512 / RDM · automatic programs · sound activation
2	Channel mode: 12-channel · 15-channel (extended)
3	Effects: 13 colours + white · 17 gobos · 8-facet & honeycomb prisms · 0-20 Hz strobe

Example product codes

15-channel mode — full colour, gobo, prism, zoom, focus and strobe control

12-channel mode — core movement, colour and dimming control

DMX control

The PL-SFX LMH300 is controlled via DMX 512 / RDM in a 12- or 15-channel mode, with automatic programs and sound activation also available. The touch display sets address and modes.

Movement & strobe

Parameter	Range	Notes
Pan	540°	calibrated
Tilt	270°	calibrated
Strobe	0-20 Hz	electronic

Control notes

- DMX 512 / RDM — 12 or 15 channels.
- Automatic programs and sound activation built in.
- Touch display: usage time, fan speed, modes.