

SKYWRITER HPX M-40

INFO & SPECIFICATIONS



Top Features

- 40W of balanced, direct-diode RGB power
- Full RGB 1,000+ colors to match and blend perfectly with traditional moving head fixtures
- X-Laser's Mercury control firmware integrated for direct lighting console control using common protocols such as sACN, RDM, Art-Net, etc.
- Instant "gobo"/digital pattern changes and rapid 30K scanners for smooth pattern motion
- 0.1° to 45° zoom range
- Active diagnostic readouts via LCD panel
- X-Laser's no-hassle 2-year warranty

The Skywriter is our most popular production-grade fixture series, and the M-40 brings 40W of impressive laser power to medium- to large-scale productions, indoors and out.

The **Skywriter HPX M-40** features full RGB direct-injection laser diode modules, tuned for ideal balance to color mix on par with—or better than—today's top-brand “traditional” fixtures. Creating looks with rich berry, vivid orange or intense lime colors is no problem for this laser. Designers also benefit from the creative power and flexibility of **X-Laser's Mercury Laser Control System**, which enables programming directly from the lighting console using the same show file and common signal protocols such as DMX, sACN, Art-Net as well as RDM configuration capability. For even more creative flexibility, the Skywriter HPX M-40 can be specified for audience scanning and offers the option of legacy laser control firmware integrated, too.

The **Skywriter HPX M-40** empowers designers to give their shows laser-specific creative advantages such as an impressive zoom range of 0.1° to 45° plus instantaneous zoom and digital “gobo” changes, making it an awesomely punchy complementary effect fixture for all sorts of venues and genres. And because the show must go on, the M-40's easy-to-understand live diagnostic 2.25” LCD readout saves techs valuable time should the need to troubleshoot on the road ever arise.

The **Skywriter HPX M-40** ships in a Pelican-style road case and offers a two-year warranty on the entire fixture, with X-Laser's industry-leading support behind it as well.

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SOURCE

40W Balanced RGB Laser Engine
Direct-Injection Diode Modules

Red: 638 nm
Green: 520 nm
Blue: 450 nm

11W red, 14W green, 16W blue

PHOTOMETRICS / OPTICS

High-Speed Closed-Loop Galvanometers,
Max Scan Angle 45°
30,000 PPS Scanner Speed at 8° Scan Angle

Beam Divergence: <1.4 mRad

Fully Sealed Optical Deck

ELECTRICAL / THERMAL

90-246V AC Auto-Switching
Power draw: 950W peak
Neutrik PowerCON TRUE1

30° F to 105° F (-1° C to 41° C)

OTHER

FDA / IEC Hazard Class IV
U.S. FDA Variance Required

CONTROL AND INTERFACE

X-Laser Mercury Integrated, 2.25" LCD panel
Fixture profiles for all major console brands

EtherStop Combined Remote Stop
and Control Data in / thru

ILDA in / thru
5-pin DMX in / thru
PowerCON TRUE1 in / thru

COLOR AND EFFECTS

Additive RGB Analog Color Mixing
1,000+ Colors
50 Color Macros
11 Digital Prisms
450+ "Gobos" / Digital Patterns Built-In
60 Motion Macros with variable speed and
amplitude

DIMENSIONS / PHYSICAL / MATERIALS

16.2" L x 14" W x 7.7" H (13.2" H w/ yoke up)
(411 mm x 355 mm x 195 mm; 335mm yoke up)

Weight: 50 lbs (22.7 kg)

Rugged 6061 Aluminum Enclosure

IP Rating: IP53

SKYWRITER HPX M-40

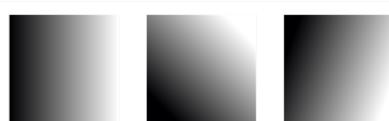
MERCURY FEATURES

COLOR CONTROL USING MERCURY

Gradients

Fade from one RGB color to another, fade distance and offset are controllable

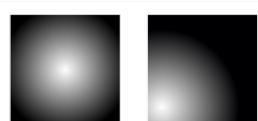
Linear



Angular



Radial



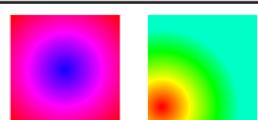
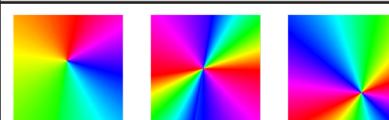
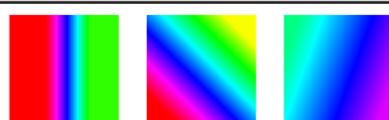
Bands

Alternate between 2 RGB colors, band sizes and transitions are controllable



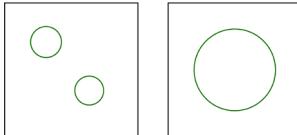
Rainbows

Transition between 2 HSL colors through color wheel; transition offset, size and direction are controllable

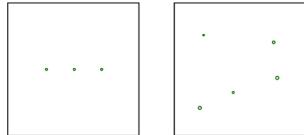


BUILT-IN MERCURY PATTERNS (“GOBOS”)

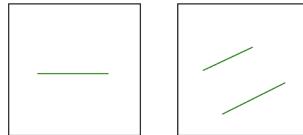
Circles



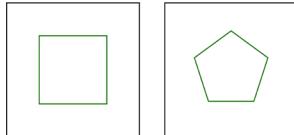
Beams



Fans



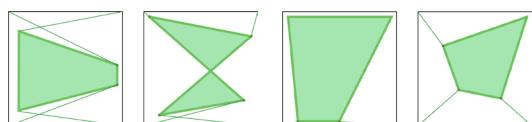
Polygons



...and dozens more

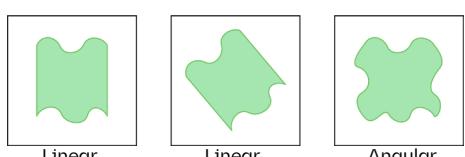
ZONING AND ZONE CORRECTION USING MERCURY

Facilitates keystone, skew, offset, inversion and much more using 4 intuitive control points

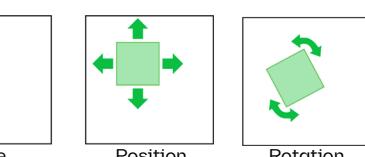


“GOBO” TRANSFORMATIONS AND EFFECTS USING MERCURY

Wave Modulation



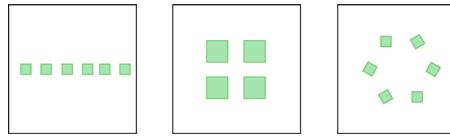
Geometric



Motion

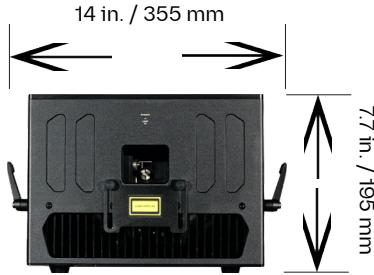


Prism



SKYWRITER HPX M-40

UNIT DIMENSIONS



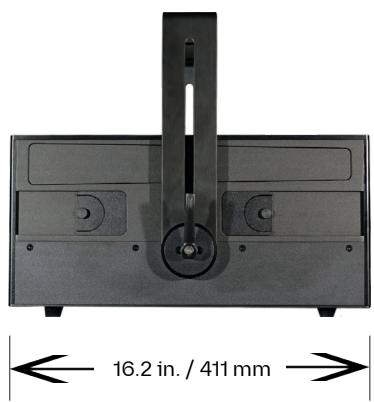
Front, Yoke Back



Front, Yoke Up



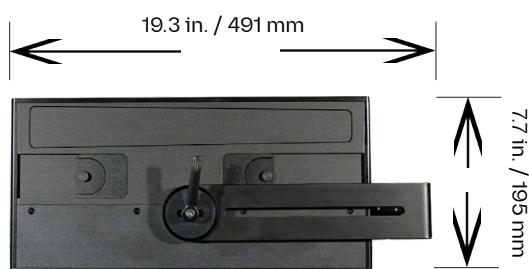
Rear, Yoke Up



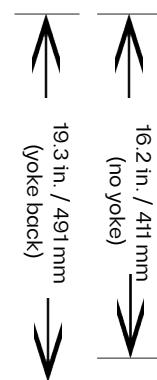
Side, Yoke Up



Top/Overhead



Side, Yoke Back


 16.2 in. / 411 mm
 (no yoke)
 19.3 in. / 491 mm
 (yoke back)