

## SKYWRITER HPX M-40

## INFO &amp; 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.

**SKYWRITER HPX M-40****INFO & SPECIFICATIONS****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

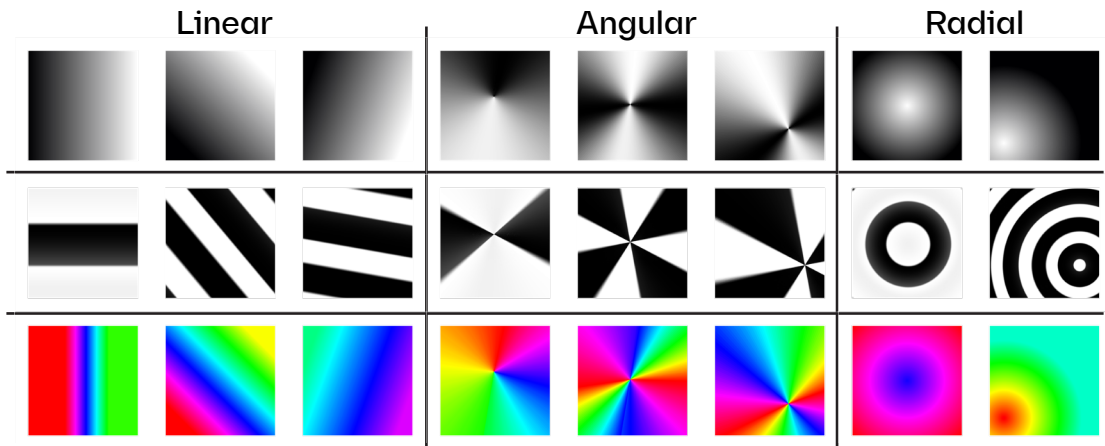
# SKYWRITER HPX M-40

## MERCURY FEATURES

### COLOR CONTROL USING MERCURY

#### Gradients

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



#### Bands

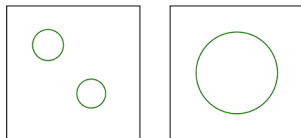
Alternate between 2 RGB colors, band sizes and transitions are controllable

#### Rainbows

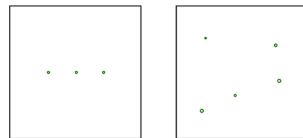
Transition between 2 HSL colors through color wheel; transition offset, size and direction are controllable

### BUILT-IN MERCURY PATTERNS (“GOBOS”)

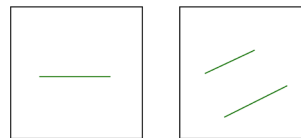
#### Circles



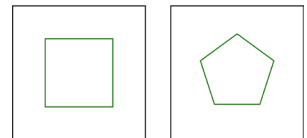
#### Beams



#### Fans



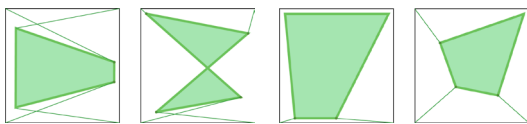
#### Polygons



...and dozens more

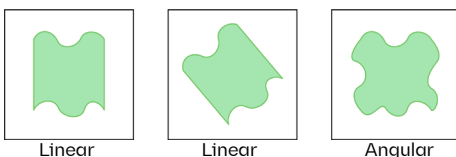
### ZONING AND ZONE CORRECTION USING MERCURY

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

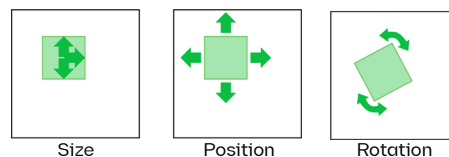


### “GOBO” TRANSFORMATIONS AND EFFECTS USING MERCURY

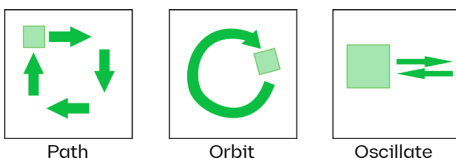
#### Wave Modulation



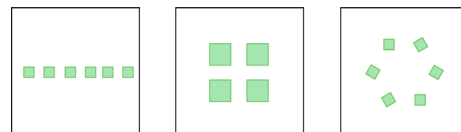
#### Geometric



#### Motion

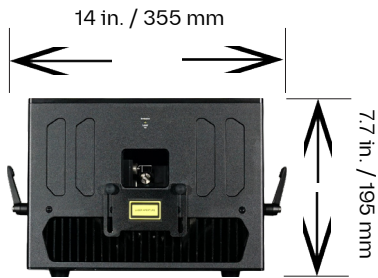


#### Prism



# SKYWRITER HPX M-40

## UNIT DIMENSIONS



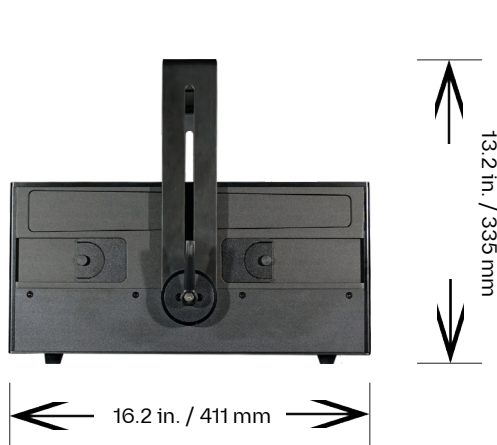
Front, Yoke Back



Front, Yoke Up



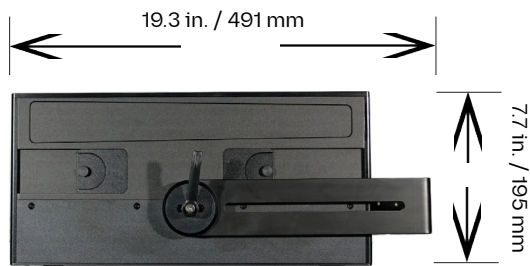
Rear, Yoke Up



Side, Yoke Up



Top/Overhead



Side, Yoke Back