

# TRITON T-20

## KEY INFORMATION & SPECIFICATIONS

### Top Features

- IP65 for the most demanding tours and installs
- 20W 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



Ready to empower world-class effects and deliver unrivaled experiences, the **Triton T-20** from X-Laser is one of the best and brightest yet. Engineered with **IP65** durability for outdoor weather resistance, this fixture has already been tested and proven in some of the production world's toughest environments. X-Laser overbuilt the Triton T-20 to withstand whatever challenges the world's top producers and designers can throw its way.

The **Triton T-20** 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 Triton. 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 Triton T-20 can be specified for audience scanning and offers the option of legacy laser control firmware integrated, too.

The **Triton T-20** 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 Triton T-20's easy-to-understand live diagnostic 2.25" LCD readout and easy-access service "hood" save techs valuable time should the need to troubleshoot on the road ever arise.

Each **Triton T-20** fixture weighs 30lbs, which is impressive for its power and robustness. This laser ships individually in a standard plastic Pelican-style road case.

Satisfy stagehands, delight designers and amaze audiences with the **Triton T-20** from X-Laser.



20W IP65 Laser Fixture  
with Mercury Laser Control

# TRITON T-20

## FIXTURE SPECIFICATIONS

### SOURCE

20W Balanced RGB Laser Engine  
Direct-Injection Diode Modules

Red: 638 nm  
Green: 520 nm  
Blue: 455 nm

6.4W red, 6.4W green, 8.0W 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, IP65

### ELECTRICAL / THERMAL

AC 90-264V Auto-Switching  
Draw: 600W max  
Neutrik PowerCON

25° F to 105° F (-4° C to 41° C)

Integrated heater activated at 5° C

### OTHER

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

### CONTROL AND INTERFACE

X-Laser Mercury Integrated, 2.25" LCD w/ panel  
Up to 8 Layers of Basic Builder Control  
Profiles for all major console brands

EtherStop Combined Remote Stop  
and Control Data in / thru

PowerCON 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

14.67" W x 15.5" L x 8.25" H  
(373 mm x 396 mm x 210 mm)

30 lbs (13.6 kg)

Rugged 6061-T6 Aluminum Enclosure

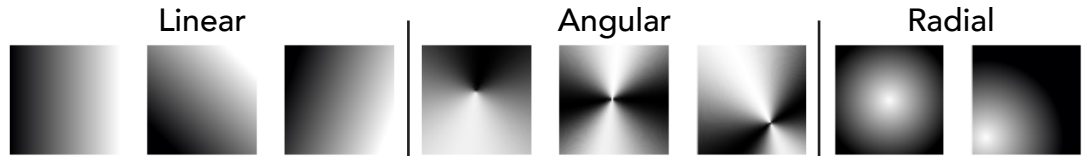
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## COLORS, GOBOS, MERCURY FEATURES

### COLOR CONTROL USING MERCURY

#### Gradients

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



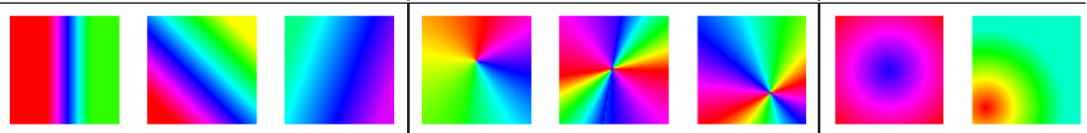
#### Bands

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



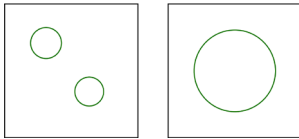
#### Rainbows

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

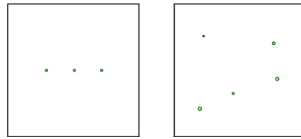


### BUILT-IN MERCURY PATTERNS ("GOBOS")

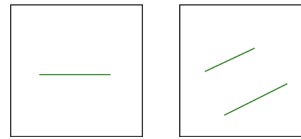
#### Circles



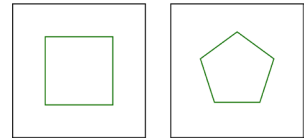
#### Beams



#### Fans



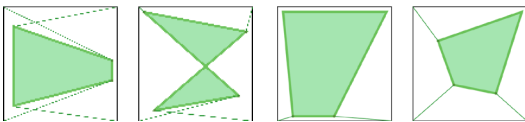
#### Polygons



...and dozens more

### ZONING AND ZONE CORRECTION USING MERCURY

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

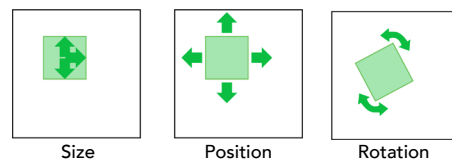


### "GOBO" TRANSFORMATIONS AND EFFECTS USING MERCURY

#### Wave Modulation



#### Geometric



#### Motion



#### Prism

