

# Litepanels Astra™ 1x1 Bi-Color

## Continuing to lead the LED revolution in form and function

The ASTRA 1x1 Bi-Color panel builds on the legacy of the original 1x1 fixture, which revolutionized the lighting industry. This innovative daylight to tungsten tunable color model was years in the making, with every design element of this next generation panel being meticulously crafted.

Following the Litepanels tradition of a one square foot form factor, the ASTRA series is designed with select premium quality, high CRI, surface mount LEDs and paired with custom designed TIR optics. These tightly binned LEDs and fine-tuned optics provide the ASTRA 1x1 with superior color reproduction and a light output that is up to four times brighter than traditional LED panels. This higher intensity results in a longer throw and illuminates a wider area, allowing the panel to compete with strong exterior light sources or illuminate a large area effectively with just a single fixture.

## ADVANTAGES

- Output is up to 4X brighter than traditional LED panels
  - High performance LEDs with custom paired optics
  - Higher intensity = Longer throw = Wider effective beam spread
- Superior color reproduction
  - High color rendition (CRI)
  - Adjustable (daylight to tungsten), accurate color temperatures
- Efficient thermal management with user selectable dual cooling modes
  - Completely silent passive cooling mode
  - Ultra-quiet active cooling mode with double light output
- Ultra-smooth dimming from 100% to 0
  - No noticeable color shift throughout the entire range
  - Flicker-free at any frame rate or shutter angle



\*Astra 1x1 Bi-Color back view shown with Optional Communications Module

**ASTRA 1X1 BI-COLOR**  
**935-1003**



# Litepanels Astra™ 1x1 Bi-Color

## FEATURES

- Flexible, modular concept
  - Optional communications module allows the brightness, color temperature, and cooling mode to be controlled via DMX512 protocol (Additional module options under development)
  - Optional yoke mounted Gold Mount® or V-Mount battery plates
  - Field replaceable fan module and external power supply
- Modern fixture design
  - Easily identifiable and ergonomic manual controls for dimming, color, and power status
  - Aluminum I-beam core construction to provide maximum durability and superior thermal management
  - Aluminum accessory mounting points and lens/filter rails
  - End cap exhaust vents angle downward to direct air flow away from the fixture and help prevent foreign material from entering
  - Durable, industry standard 3-pin XLR locking power connector
- Custom curved yoke design
  - Wide, unobstructed tilt range
  - Yoke mounted power supply and optional battery plates with dual integrated cable guides
  - Removable TVMP connector for flexible mounting options
  - Two alternate ¼-20 mounting points

**Astra 1x1 Bi-Color** field angle: 72°, beam angle: 46°

| ASTRA 1X1 DAYLIGHT |             |      |
|--------------------|-------------|------|
| Distance           | Footcandles | LUX  |
| 5 ft. / 1.5m       | 425         | 4577 |
| 10 ft. / 3m        | 106         | 1144 |
| 15 ft. / 4.6m      | 47          | 509  |

| ASTRA 1X1 TUNGSTEN |             |      |
|--------------------|-------------|------|
| Distance           | Footcandles | LUX  |
| 5 ft. / 1.5m       | 349         | 3758 |
| 10 ft. / 3m        | 87          | 940  |
| 15 ft. / 4.6m      | 39          | 418  |

## ASTRA 1X1 BI-COLOR SPECIFICATIONS

**Color Temperature** Tungsten-Daylight

**Size** 17.7 x 16.3 x 5.3" / 45 x 41.3 x 13.4cm

**Weight** 7 lbs. / 3.2kg

**Power Requirements** 13-24V DC / 100-240VAC

**Maximum Power Draw** 110W

**Power Supply** 24V DC via AC Adapter Includes Fixture, Yoke w/TVMP, Power Supply, Power Cord

**DMX** via RJ45 (Optional Communications Module)

## The Litepanels Difference

Full spectrum quality soft light, with visually accurate color temperature  
 The widest variety of LED fixtures available, with flexible AC or DC power options  
 Smooth dimming from 100% to 0, with no noticeable color shift  
 Flicker-free performance at any frame rate or shutter angle  
 Controlled current and thermal management for long LED life  
 Efficient power management delivers low power consumption and enhanced reliability  
 Engineered and designed in Los Angeles, CA

Litepanels, a Vitec Group brand, was founded in 2001 by five professional gaffers and engineers who saw the future and pioneered LED (light emitting diode) lighting for motion pictures, television, and the audio-visual industry. Their Emmy® award-winning technology has now been used on thousands of productions worldwide and is trusted

by the world's leading broadcast organizations. Litepanels continues to expand its suite of flicker-free, color accurate, fully-dimmable soft lights that talent and lighting directors admire. These environmentally friendly fixtures can pay for themselves with power savings and long life, setting a new standard in professional lighting.