PHASE | **Litepanels**:
ASTRA – Next Generation LED Panels

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- **Astra 1x1 Soft Bi-color**.....p. 10

PHASE®

ASTRA FAMILY

Next generation LED panels

The family of innovative ASTRA Panels are built on the legacy of the Litepanels original 1x1 panel, which revolutionized the lighting industry. Every design element of these next generation panels has been meticulously crafted to deliver a new standard in the form and function needed for independent and field production as well as Studio installations.

The ASTRA Panels are designed with upgraded technology, featuring select premium quality, high CRI surface mount LEDs, paired with custom designed optics. These tightly binned LEDs provide the ASTRA with superior color reproduction and a light output that is brighter than the original 1x1 panel and the first generation of ASTRA, providing greater flexibility than ever before.

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

ASTRA 6X BI-COLOR

Optional Bluetooth Communications module and Gold Mount Battery plate

ASTRA FAMILY

The next generation of professional LED panels just got brighter.

ASTRA 6X

MODELS:
Bi-Color - 935-1023
Daylight - 935-1021

- Offers up to 614 Footcandles at 5 feet/1.5m
- Intelligent thermal management system passive or active cooling
- Max power draw 105W
- Comparable output
  - 200W HMI PocketPAR
  - 1000W Tungsten
- CRI/TLCI:
  - Daylight 95 / Tungsten 98

ASTRA 3X

MODELS:
Bi-Color - 935-2023
Daylight - 935-2021

- Offers up to 364 Footcandles at 5 feet/1.5m
- Passive cooling
- Max power draw 55W
- Comparable output
  - 125W HMI PocketPAR
  - 650W Tungsten
- CRI/TLCI:
  - Daylight 95 / Tungsten 98

ASTRA SOFT

MODELS:
Bi-Color - 935-5021

- Offers up to 109 Footcandles at 5 feet/1.5m
- Max power draw 105W
- Intelligent thermal management system passive or active cooling
- Comparable output
  - 125W HMI PocketPAR
  - 750W Tungsten
- CRI/TLCI:
  - Daylight 95 / Tungsten 98

Advantages

- Increased output means more flexibility
  - Output is 50% more powerful than 1st Gen ASTRA
  - ASTRA 6X Series => **6X** brighter than the original 1x1
  - ASTRA 3X Series => **3X** brighter than the original 1x1
- High performance LEDs with custom paired optics
  - Higher intensity = Longer throw = Wider effective illuminated area
- Flicker-free at any frame rate or shutter angle
- Superior color reproduction
  - High color rendition (CRI) TLCI rated
  - Accurate color temperatures
- Ultra-smooth dimming from 100% to 0
  - No noticeable color shift throughout the entire range
- Efficient thermal management
  - Completely silent passive cooling mode
  - Ultra-quiet active cooling mode with double light output (Not available in ASTRA 3X Series)

Features

- Flexible, modular concept
  - Optional bluetooth and DMX communications modules allow the brightness, color temperature and cooling mode to be controlled
  - Optional yoke mounted Gold Mount® or V-Mount battery plates
  - 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
  - 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

Optional Accessories

Light Shaping

900-3520	ASTRA 1x1 Adapter Frame (for Honeycomb and Banrdoors)	
900-3017 900-3018 900-3019 900-3020	1x1 Honeycomb Grid - 30° 1x1 Honeycomb Grid - 45° 1x1 Honeycomb Grid - 60° 1x1 Honeycomb Grid - 90°	
900-3021	Barndoors	
900-3503	ASTRA 1x1 5-piece CTO Gel Set with Bag	
900-3504	ASTRA 1x1 5-piece CTB Gel Set with Bag	
900-3505	ASTRA 1x1 Individual Gel – Opal Frost Diffusion	
900-3506	ASTRA 1x1 Nanoptic Lens Set with Bag	
900-0026	Snapbag Softbox for ASTRA 1x1	
900-0027	Cloth Set for Snapbag Softbox for ASTRA 1x1 and Hilio D12/T12	
900-0028	40° Snapgrid Eggcrate for Snapbag Softbox for ASTRA 1x1 and Hilio D12/T12	
900-0033	ASTRA Snapbag softbox - Big	
900-0034	40° Snapgrid for Big ASTRA Snapbag	

Mobile Power

900-0024	P-Tap to 3-pin XLR cable	
900-3507	A/B Gold Mount® Battery Bracket with P-Tap to 3-pin XLR cable	
900-3508	A/B V-Mount Battery Bracket with P-Tap to 3-pin XLR cable	

Communications Module

900-3501	ASTRA 1x1 DMX (RJ-45) Communications Module	
900-0006	RJ45 to 5pin XLR Male Conversion Cable	
900-3502	5-Pin XLR Communications Module	
900-3519	Bluetooth Communications Module	

Soft Cases

900-3521	ASTRA 1x1 1-Light Bag	
900-3522	ASTRA 1x1 2-Light Bag	

Additional Accessories

900-3518	Pole Operated Yoke for ASTRA 1x1	
900-3509	Fixture Cover for ASTRA 1x1	

Pelican™ Cases

900-3041	Pelican Traveler Trio case for ASTRA	
900-3043	Pelican Traveler Duo case for ASTRA	

ASTRA Family Specifications

Color Temperatures

- ASTRA 6X Series:
  - Daylight - 935-1021
  - Bi-Color (Tungsten-Daylight) - 935-1023
- ASTRA 3X Series:
  - Daylight - 935-2021
  - Bi-Color (Tungsten-Daylight) - 935-2023
- ASTRA Soft Series:
  - Bi-Color (Tungsten-Daylight) - 935-5021

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

Weight: 7 lbs / 3.2 kg

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

Maximum Power Draw:

- ASTRA 6X & Soft 105W
- ASTRA 3X series 55W

Power Supply: 24V DC via AC Adapter

Includes: Fixture, Yoke, Power Supply, US & EU Power Cords

ASTRA 6X

ASTRA 6X BI-COLOR - beam angle: 46°

ASTRA 6X BI-COLOR DAYLIGHT		
Distance	Footcandles	LUX
5 ft. / 1.5m	588	6330
10 ft. / 3m	147	1583
15 ft. / 4.6m	65	703

ASTRA 6X BI-COLOR TUNGSTEN		
Distance	Footcandles	LUX
5 ft. / 1.5m	528	5685
10 ft. / 3m	132	1421
15 ft. / 4.6m	59	632

ASTRA 6X DAYLIGHT - beam angle: 46°

ASTRA 6X DAYLIGHT		
Distance	Footcandles	LUX
5 ft. / 1.5m	614	6612
10 ft. / 3m	154	1653
15 ft. / 4.6m	68	735

ASTRA 3X

ASTRA 3X BI-COLOR - beam angle: 46°

ASTRA 3X BI-COLOR DAYLIGHT		
Distance	Footcandles	LUX
5 ft. / 1.5m	345	3714
10 ft. / 3m	86	928
15 ft. / 4.6m	38	413

ASTRA 3X BI-COLOR TUNGSTEN		
Distance	Footcandles	LUX
5 ft. / 1.5m	301	3244
10 ft. / 3m	75	811
15 ft. / 4.6m	34	360

ASTRA 3X DAYLIGHT - beam angle: 46°

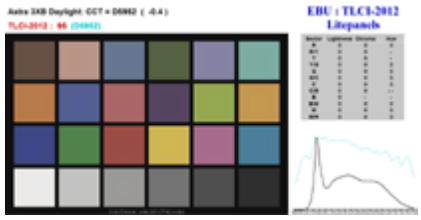
ASTRA 3X DAYLIGHT		
Distance	Footcandles	LUX
5 ft. / 1.5m	364	3922
10 ft. / 3m	91	980
15 ft. / 4.6m	41	436

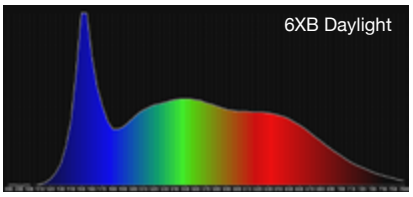
ASTRA SOFT

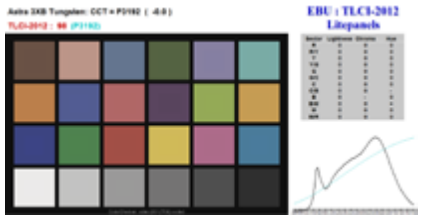
ASTRA SOFT BI-COLOR - beam angle: 94°

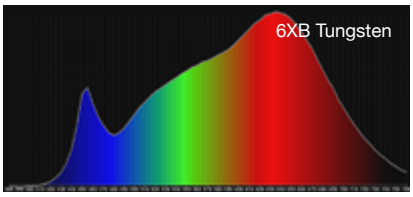
ASTRA SOFT BI-COLOR DAYLIGHT		
Distance	Footcandles	LUX
5 ft. / 1.5m	109	1178
10 ft. / 3m	27	294
15 ft. / 4.6m	12	131

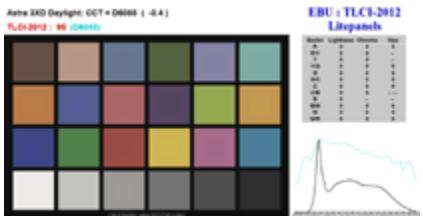
ASTRA SOFT BI-COLOR TUNGSTEN		
Distance	Footcandles	LUX
5 ft. / 1.5m	95	1022
10 ft. / 3m	24	256
15 ft. / 4.6m	11	114

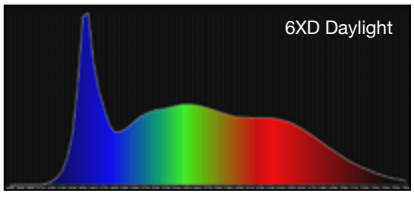


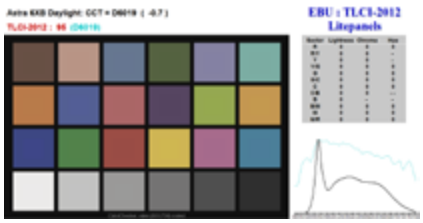


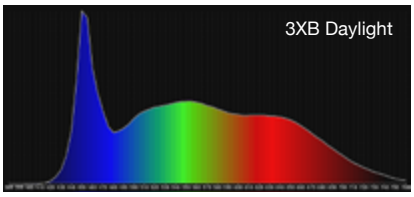


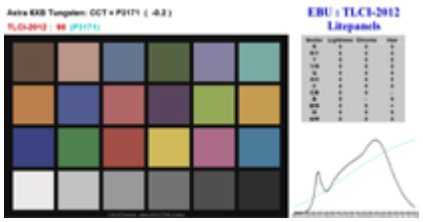


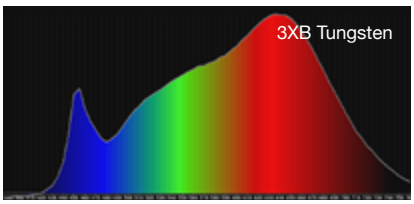


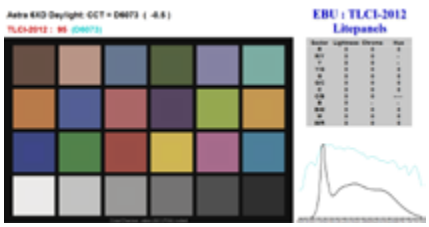


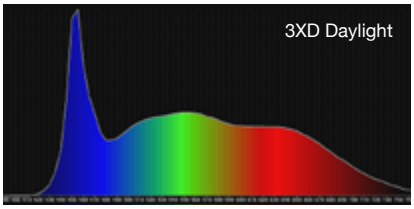


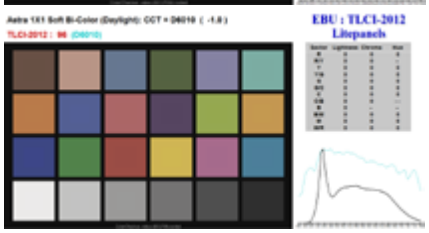


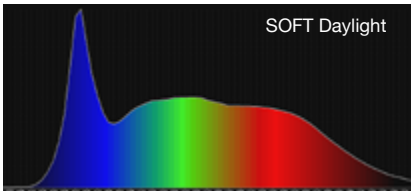


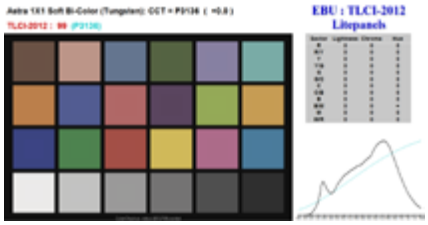


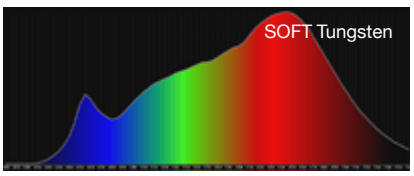












PHASE

Litepanels

ASTRA 1x1 FAMILY

The next generation of LED panels

ASTRA 1x1 BI-COLOR

shown with optional Communications Module

ASTRA 1x1 FAMILY

Welcome to the new standard in professional LED panels.

The family of innovative ASTRA 1x1 fixtures are built on the legacy of the original 1x1 panel, which revolutionized the lighting industry. Every design element of these next generation panels has been meticulously crafted to deliver a new standard in the form and function needed for independent and field production as well as Studio installations.

Following the Litepanels tradition of a one square foot form factor, the ASTRA 1x1 fixtures are designed with upgraded technology, featuring select premium quality, high CRI surface mount LEDs, paired with custom designed TIR optics. These tightly binned LEDs and fine-tuned optics provide the ASTRA 1x1s with superior color reproduction and a light output that is brighter than the original 1x1 panel with 5mm LEDs, providing greater flexibility than ever before.

The ASTRA 1x1 range of professional LED panels include Daylight, Tungsten and tunable Bi-Color models.

ASTRA 1 x 1

MODELS:
Bi-Color - 935-1003
Daylight - 935-1001
Tungsten - 935-1002

- Offers up to 538 Footcandles at 5 feet/1.5m
- Intelligent thermal management system passive or active cooling • Passive • Active
- Max power draw 110W
- Comparable output 2000W T Softlight

ASTRA 1 x 1 EP

MODELS:
Bi-Color - 935-2003
Daylight - 935-2001

- Offers up to 291 Footcandles at 5 feet/1.5m
- Passive cooling
- Max power draw 55W
- Comparable output 1000W T Softlight

ASTRA 1 x 1 E

MODELS:
Bi-Color - 935-4003
Daylight - 935-4001

- Offers up to 155 Footcandles at 5 feet/1.5m
- Passive cooling
- Max power draw 30W
- Comparable output 500W T Softlight

ADVANTAGES

- Output is more powerful than the original 1x1 LED panels
  - ASTRA 1x1 =>4X Brighter
  - ASTRA 1x1 EP Series =>2X brighter
  - ASTRA 1x1 E Series =>1X brighter
- High performance LEDs with custom paired optics
  - Higher intensity = Longer throw = Wider effective illuminated area
- Superior color reproduction
  - High color rendition (CRI) TLCI rated
  - Accurate color temperatures
- Ultra-smooth dimming from 100% to 0
  - No noticeable color shift throughout the entire range
  - Flicker-free at any frame rate or shutter angle
- Efficient thermal management
  - Completely silent passive cooling mode
  - Ultra-quiet active cooling mode with double light output (Not available in ASTRA 1x1 E & EP Series)

FEATURES

- Flexible, modular concept
  - Optional communications module allows the brightness, color temperature and cooling mode to be controlled via DMX512 protocol
  - Optional yoke mounted Gold Mount® or V-Mount battery plates
  - External power supply
  - Field replaceable fan module (Not available in ASTRA 1x1 E & EP Series)
- 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

OPTIONAL ACCESSORIES

900-3518	Pole Operated Yoke for ASTRA 1x1	
900-3507	A/B Gold Mount® Battery Bracket with P-Tap to 3-pin XLR cable	
900-3508	A/B V-Mount Battery Bracket with P-Tap to 3-pin XLR cable	
900-0024	P-Tap to 3-pin XLR cable	
900-3503	ASTRA 1x1 5-piece CTO Gel Set with Bag	
900-3504	ASTRA 1x1 5-piece CTB Gel Set with Bag	
900-3505	ASTRA 1x1 Individual Gel – Opal Frost Diffusion	
900-3506	ASTRA 1x1 Nanoptic Lens Set with Bag	
900-0026	Snapbag Softbox for ASTRA 1x1 and Hilio D12/T12	
900-0027	Cloth Set for Snapbag Softbox for ASTRA 1x1 and Hilio D12/T12	
900-0028	40° Snapgrid Eggcrate for Snapbag Softbox for ASTRA 1x1 and Hilio D12/T12	
900-3509	Fixture Cover for ASTRA 1x1	
900-3501	ASTRA 1x1 DMX (RJ-45) Communications Module	
900-3520	Astra 1x1 Adapter Frame	
900-3017 **900-3018** **900-3019** **900-3020**	1x1 Honeycomb Grid - 30° 1x1 Honeycomb Grid - 45° 1x1 Honeycomb Grid - 60° 1x1 Honeycomb Grid - 90°	
900-3021	Barndoors	
900-0006	RJ45 to 5pin XLR Male Conversion Cable	
900-3521	Astra 1x1 1-Light Bag	
900-3522	Astra 1x1 2-Light Bag	

ASTRA 1x1 FAMILY SPECIFICATIONS

Color Temperatures

ASTRA 1x1 Series:
- Daylight - 935-1001
- Tungsten - 935-1002
- Bi-Color (Tungsten-Daylight) - 935-1003

ASTRA 1x1 EP Series:
- Daylight - 935-2001
- Bi-Color (Tungsten-Daylight) - 935-2003

ASTRA 1x1 E Series:
- Daylight - 935-4001
- Bi-Color (Tungsten-Daylight) - 935-4003

Size 17.7x16.3x5.3” / 45x41.3x13.4cm

Weight 7 lbs / 3.2kg

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

Maximum Power Draw
- ASTRA 1x1 110W
- ASTRA 1x1 EP series 55W
- ASTRA 1x1 E Series 30W

Power Supply 24V DC via AC Adapter

Includes Fixture, Yoke, Power Supply, US & EU Power Cords

ASTRA 1x1 FAMILY

PHOTOMETRICS

ASTRA 1 x 1

ASTRA 1x1: BI-COLOR - beam angle: 46°

ASTRA 1x1: BI-COLOR DAYLIGHT		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	425	4577
10 ft. / 3m	106	1144
15 ft. / 4.6m	47	509

ASTRA 1x1: BI-COLOR TUNGSTEN		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	349	3758
10 ft. / 3m	87	940
15 ft. / 4.6m	39	418

ASTRA 1x1: DAYLIGHT - beam angle: 43°

ASTRA 1x1: DAYLIGHT		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	538	5795
10 ft. / 3m	135	1449
15 ft. / 4.6m	60	644

ASTRA 1x1: TUNGSTEN - beam angle: 44°

ASTRA 1x1: TUNGSTEN		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	399	4300
10 ft. / 3m	100	1075
15 ft. / 4.6m	44	478

ASTRA 1 x 1 EP

ASTRA 1x1 EP: BI-COLOR - beam angle: 44°

ASTRA 1x1 EP: BI-COLOR DAYLIGHT		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	291	3132
10 ft. / 3m	73	783
15 ft. / 4.6m	32	348

ASTRA 1x1 EP: BI-COLOR TUNGSTEN		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	223	2395
10 ft. / 3m	56	599
15 ft. / 4.6m	25	266

ASTRA 1x1 EP: DAYLIGHT - beam angle: 44°

ASTRA 1x1 EP: DAYLIGHT		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	319	3435
10 ft. / 3m	80	859
15 ft. / 4.6m	36	382

ASTRA 1 x 1 E

ASTRA 1x1 E: BI-COLOR - beam angle: 44°

ASTRA 1x1 E: BI-COLOR DAYLIGHT		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	155	1665
10 ft. / 3m	39	416
15 ft. / 4.6m	17	185

ASTRA 1x1 E: BI-COLOR TUNGSTEN		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	118	1274
10 ft. / 3m	30	318
15 ft. / 4.6m	13	142

ASTRA 1x1 E: DAYLIGHT - beam angle: 44°

ASTRA 1x1 E: DAYLIGHT		
Distance	**Footcandles**	**LUX**
5 ft. / 1.5m	158	1696
10 ft. / 3m	39	424
15 ft. / 4.6m	18	188

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.

Printed in the USA. Specifications subject to change without notice.

litepanels_Astra_1x1_115

Litepanels Astra 1x1 Soft Bi-Color

935-5001

Soft LED panels in a better light

The Astra 1x1 Soft Bi-Color panel builds on the popularity of the Astra 1x1 Family, the next generation of LED panels from the lighting professionals who revolutionized the lighting industry. The innovative Astra family of LED panels was years in the making, with every design element of these next generation panels being meticulously crafted.

Following the Litepanels tradition of a one square foot form factor, the Astra soft series is designed with select premium quality, high CRI, surface mount LEDs and paired with a soft diffusion panel that provides the Astra 1x1 soft series with a soft wrap around quality perfect for lighting talent and taking the edge off reflective surfaces. The Astra Soft Bi-color has an impressive output that rates among the highest of soft 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.

FEATURES

- Flexible, modular concept
  - Optional communications module allows the brightness, color temperature, and cooling mode to be controlled via DMX or Bluetooth
  - 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

ADVANTAGES

- Output is brighter than traditional LED panels
  - High performance LEDs with Soft diffusion panel
- 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
  - No noticeable color shift throughout the entire range
  - Flicker-free at any frame rate or shutter angle

Astra 1x1 Soft Bi-Color
935-5001

Litepanels Astra 1x1 Soft Bi-Color

935-5001

Astra 1x1 Soft shown with accessory frame and Barndoors

ASTRA 1X1 SOFT BI-COLOR SPECS

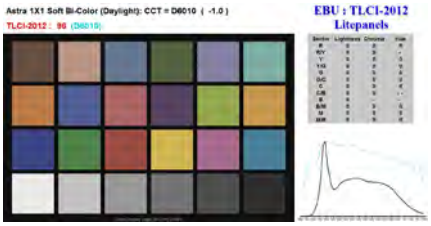
Color Temperature: Tungsten-Daylight
Size: 18.5” x 16.3” x 5.3” (46.9cm x 41.3cm x 13.5cm)
Weight: 7.6lbs / 3.4kg
Power Requirements: 13-24VDC
Maximum Power Draw: 110W
International AC Power Supply: 24VDC via AC adapter 100-240 VAC
DMX via Optional Communications Module (RJ45 or 5-Pin XLR)
Wireless control via Bluetooth Communications Module

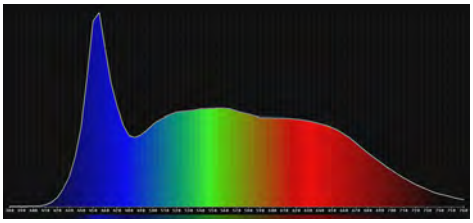
OPTIONAL ACCESSORIES

- Adapter frame (900-3520)
- Honeycomb grid
  - Honeycomb grid - 30º (900-3017)
  - Honeycomb grid - 45º (900-3018)
  - Honeycomb grid - 60º (900-3019)
  - Honeycomb grid - 90º (900-3020)
- 4-way barndoors (900-3021)
- One light carrying case (900-3521)
- Two light carrying case (900-3522)
- Battery plate
  - Gold mount battery plate with cable (900-3507)
  - V-Mount battery plate with cable (900-3508)
- Communications module
  - RJ45 DMX module (900-3501)
  - 5-pin XLR DMX module (900-3502)
  - Bluetooth communications module (900-3519)
- RJ45 5-pin XLR conversion cable (900-0006)
- D-tap tp 3-Pin XLR cable (900-0024)

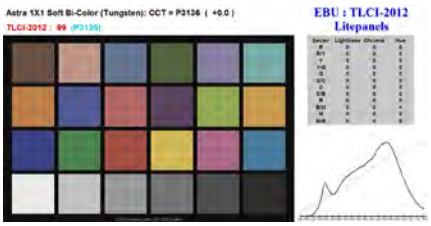
PHOTOMETRICS Beam Angle 93° / Field Angle 157°

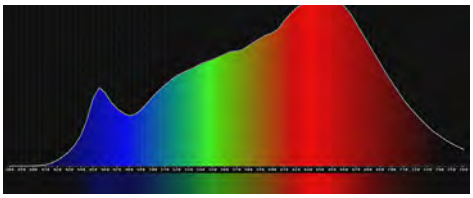
DAYLIGHT	Footcandles	LUX
3.5 ft / 1 m	198	2126
5 ft / 1.5 m	97	1042
6.5 ft / 2 m	57	616
10 ft / 3 m	24	260
15 ft / 4.5 m	11	116





TUNGSTEN	Footcandles	LUX
3.5 ft / 1 m	143	1542
5 ft / 1.5 m	70	756
6.5 ft / 2 m	42	447
10 ft / 3 m	18	189
15 ft / 4.5 m	8	84





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.

NOSSAS REPRESENTADAS:

Litepanels

Ikegami

everlz

VISLINK
News & Entertainment

ANTON BAUER

autoscript
a clearer picture

Vinten

veset

TVlogic

Telemetrics Inc.
Camera Control Systems

interra systems

sencore
Where Content Meets Technology

SILVUS TECHNOLOGIES

Value Your Content
thinklogical
Trust Our Proven Ingenuity

CueScript
A WAY WITH WORDS...

Video Clarity
Tools for Video Analysis

Anywave Communication

ImmediaTV

CRYSTAL

AJA
AJA VIDEO SYSTEMS INC

PHABRIX
broadcast excellence

AVP

ATCi

NVERZION

TBC

PHASE Engenharia Ind. e Com. Ltda.

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