

# Astra Wash19Pix - 7Pix

## high-performing characteristics

## Astra Wash19Pix

19x40W RGBW moving wash light with 4°-54° zoom, pixel control and pixel ring

ORDER CODE: **ASTRAWASH19PIX**



  
19x40W RGBW  
Osram Ostar  
LEDs

  
4° - 54°  
motorised  
linear zoom

  
Virtual colour  
wheel with  
macros

  
RGB pixel ring  
with several built  
in FX macros

  
Pre-programmed  
dynamic and static  
pixel patterns

  
linear crossfade  
channel from  
any white to  
any colour

  
foreground/  
background  
colour, index,  
speed, direction

  
Pan/Tilt  
resolution:  
16bit

  
linear 0~100%  
electronic  
dimmer

  
RDM - DMX -  
WDMX - SACN  
ART-NET -  
KLINGNET

**Astra Wash19Pix** is an LED moving wash light, designed to be a workhorse for any touring, corporate and event applications, offering a superior level of brightness and advanced creative effect possibilities. Based on a 40W Osram RGBW LED light source, plus the exterior pixel ring, this unit features an extremely high-efficiency optical system capable of zooming from 4° to 54°, making this luminaire extremely versatile for any application. **Astra Wash19Pix** is single pixel controllable, with multiple on-board FX, and allows access to a precise and advanced white and colour control, all through DMX, W-DMX, Art-Net, sACN, Kling-Net and RDM.

## TECHNICAL SPECIFICATION

### LIGHT SOURCE

- Source: 19x40W RGBW Osram Ostar LEDs
- Luminous flux: (4°) 5'505 lm - (54°) 10'143lm @full
- Lux: (4°) 45'146 lx - (54°) 1174lx @5 m full
- Source life expectancy: > 50.000 h

### OPTICS

- Zoom: 4° - 54° motorised linear zoom
- Lens type: honeycomb gapless plano-convex optics

### COLOUR SYSTEM

- Colour mixing: RGBW / FC
- CCT: CCT control, + / - green correction, tungsten emulation
- White presets: 2.800 K ~ 10.000K
- Colour wheel: virtual colour wheel with macros
- Macros: several pre-built pixel macros with adjustable speed

### DYNAMIC EFFECTS

- Control Resolution: 16-bit dimmer
- Pixel patterns: pre-programmed dynamic and static patterns
- FX generator: adjustable foreground/background colour, index, speed, direction
- Special features: outer RGB, pixel ring with several built in FX macros and linear crossfade channel from any white to any colour; virtual CTO on colours

### BODY

- Hardware on-board: sockets for quick-Lock Omega bracket (clamp not included)
- Pan angle: 540°
- Tilt angle: 233°
- Feedback: automatic repositioning after accidental movement
- Body: aluminium structure with high-resistance polycarbonate cover
- Body colour: RAL 9004

### CONTROL

- Protocols: DMX512, RDM, Art-Net, Klingnet, sACN, W-DMX
- DMX channels: main personality 29 / 32 / 53channel
- Pixel control: OFF, ring and pixel2pixel
- Wireless Control: included, Wireless Solution transceiver
- RDM: RDM for remote monitoring and settings
- Display: LCD high resolution colour display with autoflip
- Firmware upgrade: yes, via USB - DMX interface (UPBOX2) not included

### ELECTRONICS

- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: 4 selectable dimming modes available
- Strobe / shutter: 1 - 30 Hz, electronic
- Display battery: self-charging battery backup
- Operating temperature: -10° ~ +45°
- LED Control: flicker free operation
- Selectable PWM: 600 ~ 25.000 Hz

### ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 620W
- Output (at 230V): 4 units on a single power line
- Power factor: > 0,95

### PHYSICAL

- IP rating: 20
- Cooling: forced air with fan
- Suspension and fixing: any position with quick-lock omega brackets
- Pan / tilt lock: for transportation and maintenance
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Data connection: Neutrik Art-Net RJ45 IN/OUT
- Power connection: Neutrik powerCON TRUE1 IN/OUT connectors
- Dimensions (WxHxD): 410x514x250mm
- Weight: 17,4kg

### CERTIFICATIONS / APPROVALS

- Certifications / Approvals: CE, UKCA, RCM, cTUVus, FCC

# Astra Wash7Pix - 19Pix

augmented pixel mapping performance and colour control

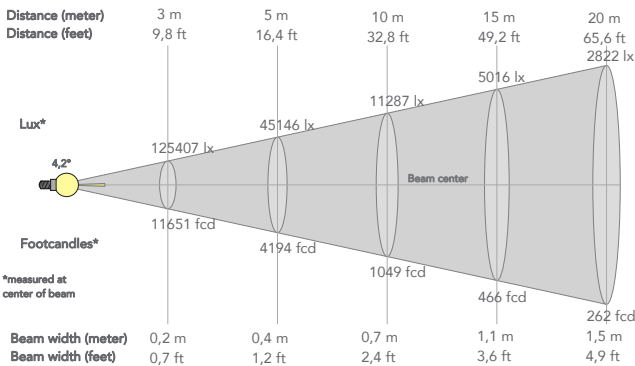
## Astra Wash19Pix

### PHOTOMETRICS

#### PRESET FULL ON

Beam angle 50%: 4°

| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 4,2°           | 6,3°            | 7,1°               | 100,0%                       | 100,0%                      |



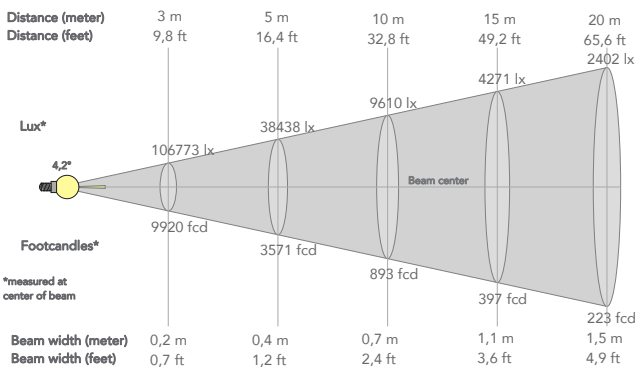
#### BEAM INTENSITIES AND WIDTHS

| Distance  | 1m       | 2m       | 3m       | 4m      | 5m      | 7,5m    | 10m     | 15m    | 20m    | 25m    | 30m    | 40m     | 50m    |
|-----------|----------|----------|----------|---------|---------|---------|---------|--------|--------|--------|--------|---------|--------|
| Distance  | 3,3ft    | 6,6ft    | 9,8ft    | 13,1ft  | 16,4ft  | 24,6ft  | 32,8ft  | 49,2ft | 65,6ft | 82ft   | 98,4ft | 131,2ft | 164ft  |
| Lux       | 112862lx | 282166lx | 125407lx | 70541lx | 45146lx | 20065lx | 11287lx | 5016lx | 2822lx | 1806lx | 1254lx | 705lx   | 451lx  |
| Footcand. | 10485fcd | 26214fcd | 11651fcd | 6554fcd | 4194fcd | 1864fcd | 1049fcd | 466fcd | 262fcd | 168fcd | 117fcd | 66fcd   | 42fcd  |
| Beam wid. | 0,1m     | 0,1m     | 0,2m     | 0,3m    | 0,4m    | 0,6m    | 0,7m    | 1,1m   | 1,5m   | 1,9m   | 2,2m   | 3m      | 3,7m   |
| Beam wid. | 0,2ft    | 0,5ft    | 0,7ft    | 1ft     | 1,2ft   | 1,8ft   | 2,4ft   | 3,6ft  | 4,9ft  | 6,1ft  | 7,3ft  | 9,7ft   | 12,2ft |

#### PRESET 4.000 K

Beam angle 50%: 4°

| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 4,2°           | 6,5°            | 7,3°               | 100,0%                       | 100,0%                      |



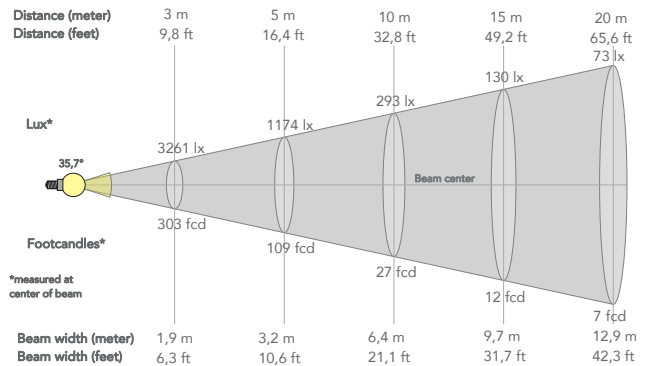
#### BEAM INTENSITIES AND WIDTHS

| Distance  | 1m       | 2m       | 3m       | 4m      | 5m      | 7,5m    | 10m    | 15m    | 20m    | 25m    | 30m    | 40m     | 50m    |
|-----------|----------|----------|----------|---------|---------|---------|--------|--------|--------|--------|--------|---------|--------|
| Distance  | 3,3ft    | 6,6ft    | 9,8ft    | 13,1ft  | 16,4ft  | 24,6ft  | 32,8ft | 49,2ft | 65,6ft | 82ft   | 98,4ft | 131,2ft | 164ft  |
| Lux       | 960954lx | 240239lx | 106773lx | 60060lx | 38438lx | 17084lx | 9610lx | 4271lx | 2402lx | 1538lx | 1068lx | 601lx   | 384lx  |
| Footcand. | 89276fcd | 22319fcd | 9920fcd  | 5580fcd | 3571fcd | 1587fcd | 893fcd | 397fcd | 223fcd | 143fcd | 99fcd  | 56fcd   | 36fcd  |
| Beam wid. | 0,1m     | 0,1m     | 0,2m     | 0,3m    | 0,4m    | 0,6m    | 0,7m   | 1,1m   | 1,5m   | 1,9m   | 2,2m   | 3m      | 3,7m   |
| Beam wid. | 0,2ft    | 0,5ft    | 0,7ft    | 1ft     | 1,2ft   | 1,8ft   | 2,4ft  | 3,6ft  | 4,9ft  | 6,1ft  | 7,3ft  | 9,7ft   | 12,2ft |

#### PRESET FULL ON

Beam angle 50%: 54°

| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 35,7°          | 53,9°           | 62,2°              | 100,0%                       | 100,0%                      |



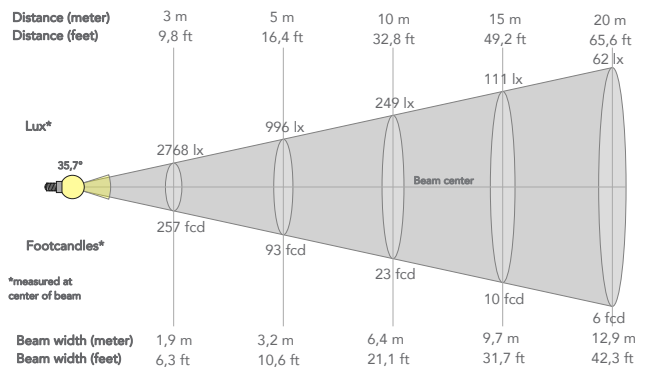
#### BEAM INTENSITIES AND WIDTHS

| Distance  | 1m      | 2m     | 3m     | 4m     | 5m     | 7,5m   | 10m    | 15m    | 20m    | 25m    | 30m    | 40m     | 50m     |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Distance  | 3,3ft   | 6,6ft  | 9,8ft  | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft   | 98,4ft | 131,2ft | 164ft   |
| Lux       | 29348lx | 7337lx | 3261lx | 1834lx | 1174lx | 522lx  | 293lx  | 130lx  | 73lx   | 47lx   | 33lx   | 18lx    | 12lx    |
| Footcand. | 2726fcd | 682fcd | 303fcd | 170fcd | 109fcd | 48fcd  | 27fcd  | 12fcd  | 7fcd   | 4fcd   | 3fcd   | 2fcd    | 1fcd    |
| Beam wid. | 0,6m    | 1,3m   | 1,9m   | 2,6m   | 3,2m   | 4,8m   | 6,4m   | 9,7m   | 12,9m  | 16,1m  | 19,3m  | 25,8m   | 32,2m   |
| Beam wid. | 2,1ft   | 4,3ft  | 6,3ft  | 8,4ft  | 10,6ft | 15,9ft | 21,1ft | 31,7ft | 42,3ft | 52,9ft | 63,4ft | 84,6ft  | 105,7ft |

#### PRESET 4.000 K

Beam angle 50%: 56°

| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 35,7°          | 53,7°           | 62,3°              | 100,0%                       | 100,0%                      |



#### BEAM INTENSITIES AND WIDTHS

| Distance  | 1m      | 2m     | 3m     | 4m     | 5m     | 7,5m   | 10m    | 15m    | 20m    | 25m    | 30m    | 40m     | 50m     |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Distance  | 3,3ft   | 6,6ft  | 9,8ft  | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft   | 98,4ft | 131,2ft | 164ft   |
| Lux       | 24908lx | 6227lx | 2768lx | 1557lx | 996lx  | 443lx  | 249lx  | 111lx  | 62lx   | 40lx   | 28lx   | 16lx    | 10lx    |
| Footcand. | 2314fcd | 578fcd | 257fcd | 145fcd | 93fcd  | 41fcd  | 23fcd  | 10fcd  | 6fcd   | 4fcd   | 3fcd   | 1fcd    | 1fcd    |
| Beam wid. | 0,6m    | 1,3m   | 1,9m   | 2,6m   | 3,2m   | 4,8m   | 6,4m   | 9,7m   | 12,9m  | 16,1m  | 19,3m  | 25,8m   | 32,2m   |
| Beam wid. | 2,1ft   | 4,3ft  | 6,3ft  | 8,4ft  | 10,6ft | 15,8ft | 21,1ft | 31,7ft | 42,3ft | 52,8ft | 63,4ft | 84,5ft  | 105,7ft |

## LAYOUT

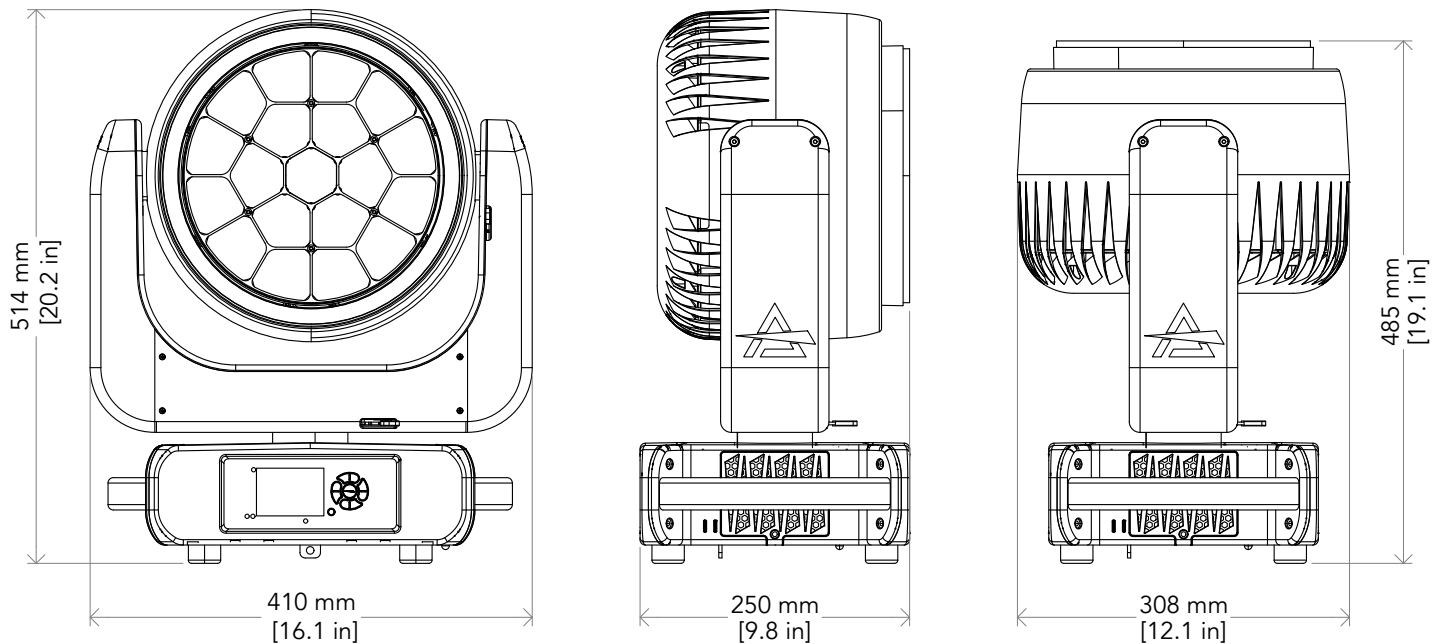
# Astra Wash19Pix

## ACCESSORIES

- |                  |                                                                             |               |                                                                                 |
|------------------|-----------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------|
| • 9513FXWL03     | Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L.3 m      | • WSBBF1G5    | BlackBox F-1 G5 transmitter, 2,45GHz & 5.2/5,8 GHz, DMX/RDM, 512Ch              |
| • 9533FXWL03     | Ass. 3x2.5mm TH07 cable, SHUKO plug, MENAC3FXW socket, L.3m                 | • WSBBF1G6    | BlackBox F-1 G6 transrec, 512ch, 2.45GHz, DMX&RDM,Bluetooth,G3,G4,G4S, G5, CRMX |
| • 958225L03      | 3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L. 3m               | • WSBBR512G5  | BlackBox R-512 G5 receiver 512Ch, 2.45GHz & 5.8GHz, DMX/RDM optional            |
| • C6002B         | Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black          | • WSBBR512G6  | BlackBox R-512 G6 receiver 512Ch, 2.45GHz,DMX&RDM,Bluetooth,G3,G4,G4S,G5,CRMX   |
| • FCLASTRAW19PIX | Flight case for 4 pcs of ASTRAWASH19PIX                                     | • ASTRAW19PEC | Egg Crate for ASTRAWASH19PIX                                                    |
| • RSR0630B       | Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black | • OS24        | Quick-lock omega bracket.                                                       |
| • TOUR53415L03   | Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m                | • UPBOX2      | Firmware uploader kit, USB IN, 3-pin XLR DMX OUT                                |

# Astra Wash19Pix

## TECHNICAL DRAWINGS



WEIGHT: 17,4 kg / 38.36 lb

## PACKAGE CONTENT

- 1 x **ASTRAWASH7PIX**
- 1 x 1,5 meters power cable (SCHUKO plug - NEUTRIK POWERCON TRUE1 IP65)
- 1 x OS24
- User Manual

## CERTIFICATIONS / APPROVALS



Conforms to UL STD. 1573  
Certified to CSA STD: C22.2 NO. 166

Visit our website for specifications and tech documentations

