

# Astra Wash19Pix - 7Pix

powerful 40W LED pixels











## Astra Wash7Pix

7x40W RGBW moving wash light with 4°-56° zoom and pixel control



### VERSIONS

Code	Housing
ASTRAWASH7PIX	Black
ASTRAWASH7PIXWH	White

 7x40W RGBW Osram Ostar LEDs	 4° - 56° motorised linear zoom	 Virtual colour wheel with macros	 White presets: 2.800 K~10.000 K	 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 Wash7Pix** is a compact and fast LED moving wash light. Despite its small size, it comes with an extensive feature set which can typically only be found on bigger luminaires. Based on a 40W Osram RGBW LED light source, the unit features an extremely high-efficient optical system capable of zooming from 4° to 56°, making it extremely versatile for any application as beam or wash light. **Astra Wash7Pix** 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: 7x40 W RGBW Osram Ostar LEDs
- Luminous flux: (4°) 2'013 lm - (56°) 3'543 lm @full
- Lux: (4°) 18'360 lx - (56°) 364 lx @5 m full
- Source life expectancy: > 50.000 h

#### OPTICS

- Zoom: 4° - 56° 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 ~ 10.000 K
- 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: 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°
- Pan/Tilt resolution: bit 16-bit
- Feedback: automatic repositioning after accidental movement
- Body: aluminium structure with high-resistance polycarbonate cover
- Body colour: see variants

#### CONTROL

- Protocols: DMX512, RDM, Art-Net, Klingnet, sACN, W-DMX
- DMX channels: main personality 24 / 27 / 39 channel
- Pixel control: OFF, ring and pixel2pixel selectable options
- Wireless Control: included, LumenRadio Timo Fx DMX/RDM compatible with both CRMx (Lumen Radio) and W-DMX (Wireless DMX)
- 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 ~ 50.000 Hz

#### ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 225 W
- Output (at 230V): up to 13 units on a single power line
- Power factor: > 0,93

#### PHYSICAL

- IP rating: 20
- Cooling: forced air with fan
- Suspension and fixing: any position with quick-lock omega brackets
- 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): 279x391x205 mm
- Weight: 8,1 kg

#### CERTIFICATIONS / APPROVALS

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

# Astra Wash7Pix - 19Pix

augmented pixel mapping performance and colour control

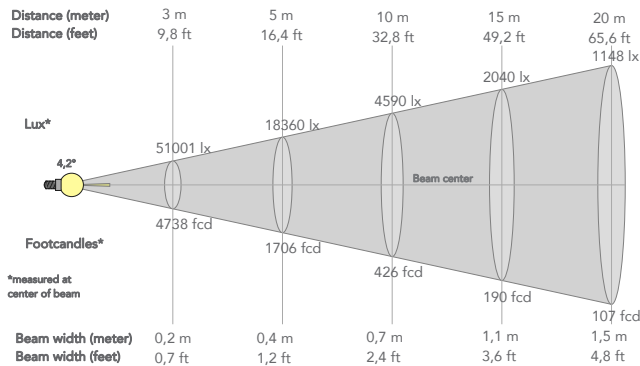
## Astra Wash7Pix

### 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°	5,5°	6,1°	100,0%	100,0%



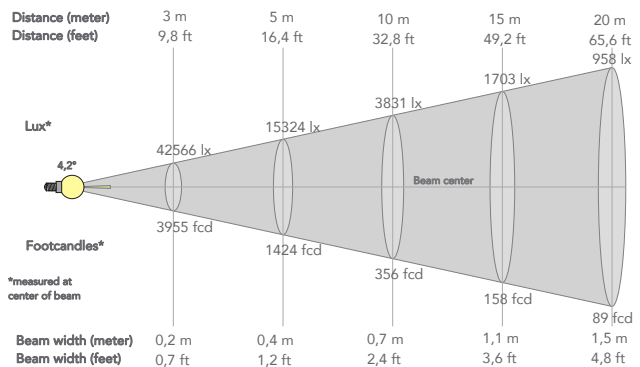
#### BEAM INTENSITIES AND WIDTHS

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	45900lx	114751lx	51001lx	28688lx	18360lx	8160lx	4590lx	2040lx	1148lx	734lx	510lx	287lx	184lx
Footcand.	42643fcd	10661fcd	4738fcd	2665fcd	1706fcd	758fcd	426fcd	190fcd	107fcd	68fcd	47fcd	27fcd	17fcd
Beam wid.	0,1m	0,1m	0,2m	0,3m	0,4m	0,5m	0,7m	1,1m	1,5m	1,8m	2,2m	2,9m	3,7m
Beam wid.	0,2ft	0,5ft	0,7ft	1ft	1,2ft	1,8ft	2,4ft	3,6ft	4,8ft	6ft	7,2ft	9,6ft	12ft

#### 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°	5,6°	6,1°	100,0%	100,0%



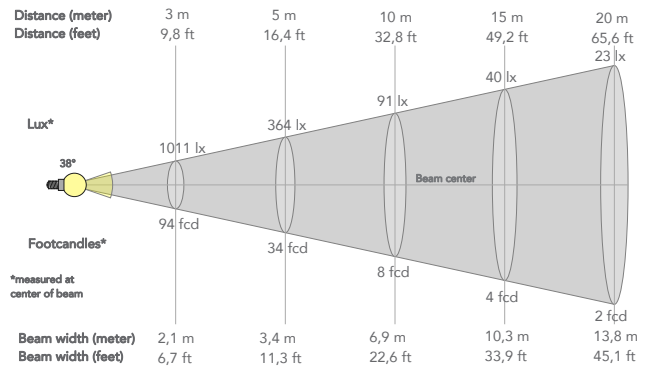
#### BEAM INTENSITIES AND WIDTHS

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	38309lx	95773lx	42566lx	23943lx	15324lx	6811lx	3831lx	1703lx	958lx	613lx	426lx	239lx	153lx
Footcand.	3559fcd	8898fcd	3955fcd	2224fcd	1424fcd	633fcd	356fcd	158fcd	89fcd	57fcd	40fcd	22fcd	14fcd
Beam wid.	0,1m	0,1m	0,2m	0,3m	0,4m	0,6m	0,7m	1,1m	1,5m	1,8m	2,2m	2,9m	3,7m
Beam wid.	0,2ft	0,5ft	0,7ft	1ft	1,2ft	1,8ft	2,4ft	3,6ft	4,8ft	6ft	7,2ft	9,6ft	12ft

#### PRESET FULL ON

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
38°	56,2°	67,6°	99,9%	99,9%



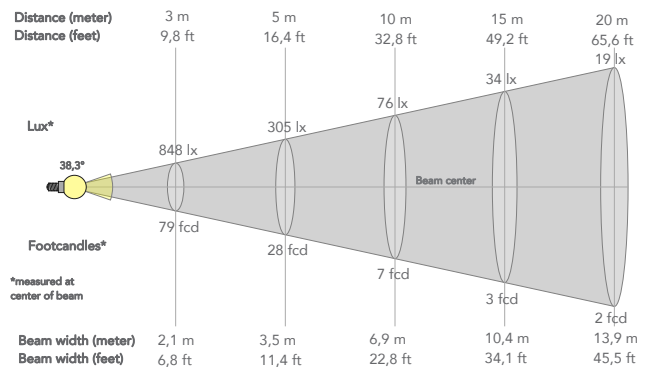
#### BEAM INTENSITIES AND WIDTHS

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	9096lx	2274lx	1011lx	569lx	364lx	162lx	91lx	40lx	23lx	15lx	10lx	6lx	4lx
Footcand.	845fcd	211fcd	94fcd	53fcd	34fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,4m	5,2m	6,9m	10,3m	13,8m	17,2m	20,6m	27,5m	34,4m
Beam wid.	2,3ft	4,5ft	6,7ft	9ft	11,3ft	16,9ft	22,6ft	33,9ft	45,1ft	56,4ft	67,7ft	90,3ft	112,9ft

#### 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
38,3°	56,6°	68°	100,0%	100,0%



#### BEAM INTENSITIES AND WIDTHS

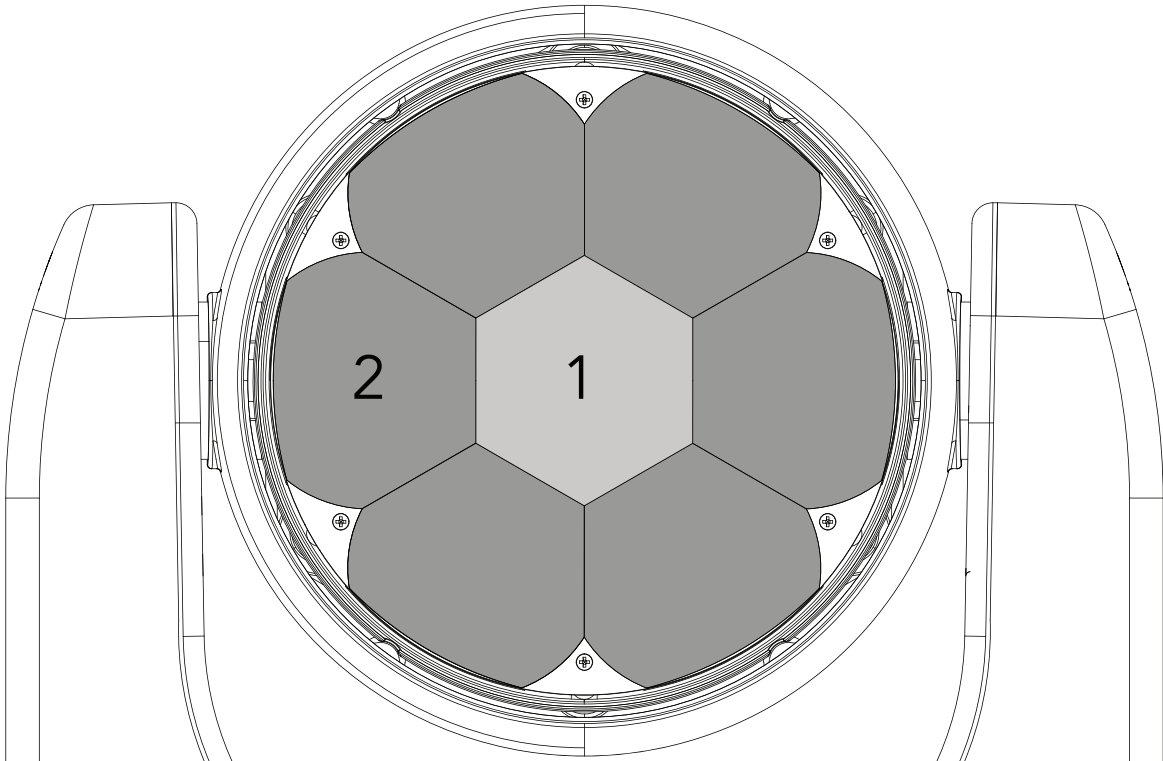
Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7633lx	1908lx	848lx	477lx	305lx	136lx	76lx	34lx	19lx	12lx	8lx	5lx	3lx
Footcand.	709fcd	177fcd	79fcd	44fcd	28fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,7m	1,4m	2,1m	2,8m	3,5m	5,2m	6,9m	10,4m	13,9m	17,3m	20,8m	27,7m	34,7m
Beam wid.	2,3ft	4,6ft	6,8ft	9,1ft	11,4ft	17,1ft	22,8ft	34,1ft	45,5ft	56,9ft	68,3ft	91ft	113,8ft

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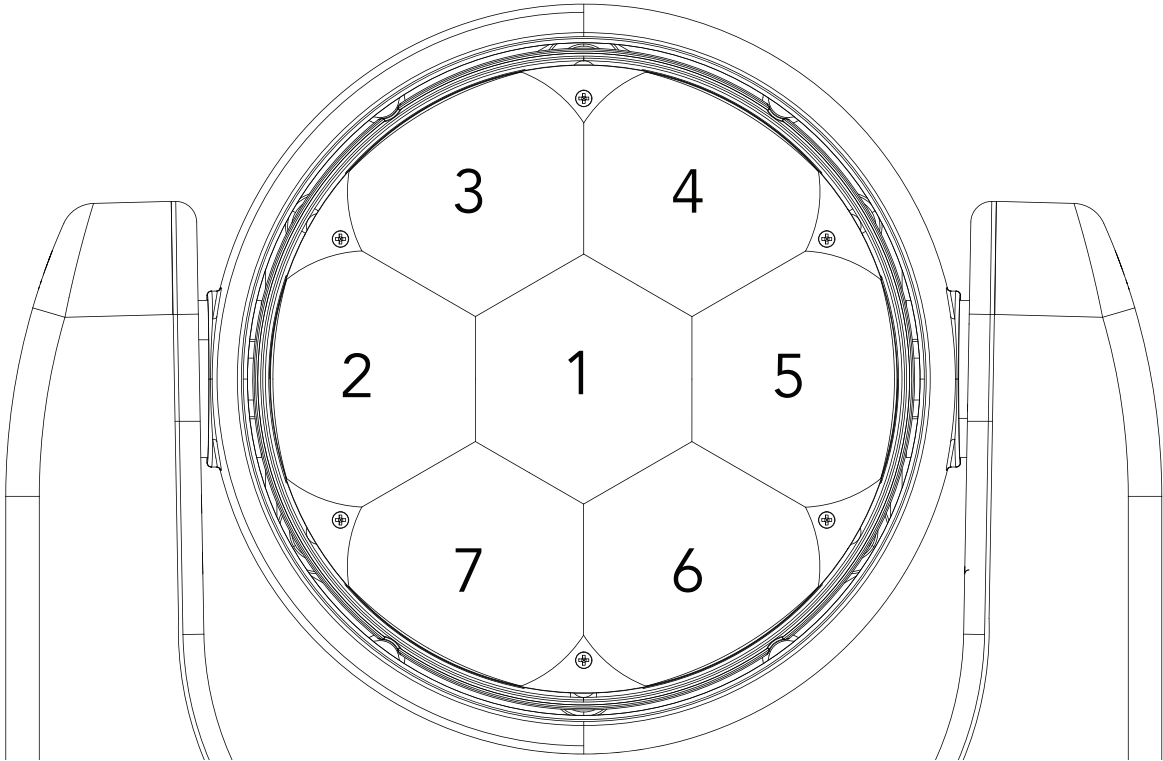
LAYOUT

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SECTION LAYOUT



PIXEL LAYOUT



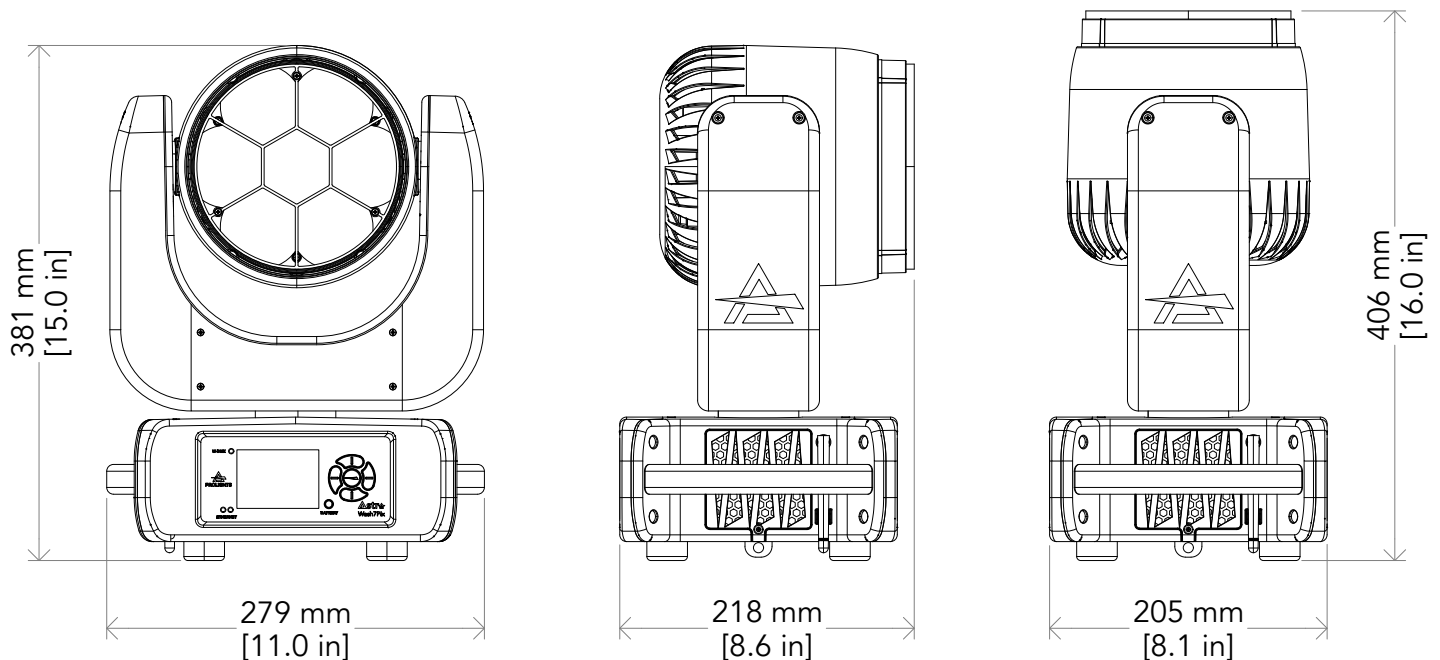
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## ACCESSORIES

- FCLASTRAW7PIX Flight case for 6 pcs of ASTRAWASH7PIX
- ASTRAW7PEC Egg Crate for ASTRAWASH7PIX
- 9513FXWL03 Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L.3 m
- 9533FXWL03 Ass. 3x2.5mm TH07 cable, SHUKO plug, MENAC3FXW socket, L.3m
- 958225L03 3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L. 3m
- C6002B Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black
- RSR0630B Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black
- TOUR53415L03 Dmx cable HC5340. CANC5MXX XLR 5p->CANC5FXX XLR (f) 5p, L.3m
- WSBBF1G5 BlackBox F-1 G5 transmitter, 2,45GHz & 5.2/5,8 GHz, DMX/RDM, 512Ch
- WSBBF1G6 BlackBox F-1 G6 transrec, 512ch, 2.45GHz, DMX&RDM,Bluetooth,G3,G4,G4S, G5, CRMX
- WSBBR512G5 BlackBox R-512 G5 receiver 512Ch, 2.45GHz & 5.8GHz, DMX/RDM optional
- WSBBR512G6 BlackBox R-512 G6 receiver 512Ch, 2.45GHz,DMX&RDM,Bluetooth,G3,G4,G4S,G5,CRMX
- OS24 Quick-lock omega bracket.
- UPBOX2P5 Firmware uploader kit, USB IN, 5-pin XLR DMX OUT

# Astra Wash7Pix

## TECHNICAL DRAWINGS



WEIGHT: 8,1 kg / 17.85 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

