

# Astra Hybrid420

Hybrid moving beam-spot, with a 420W USHIO NSL421 lamp

ORDER CODE: **ASTRAHYB420**



The **Astra Hybrid420** is a hybrid moving head that excels as a bright beam fixture and perfect spotlight, offering a tremendous lumen output and superior evenness compared with other lights in the same category. The **Astra Hybrid420** optical system moves linearly from 2.7° to 40°, and it's equipped with a brand new 420W USHIO NSL421 lamp, featuring an equivalent output of higher power consumption units, but in a smaller, lighter, and faster body. The extensive feature set of the **Astra Hybrid420** includes functions like aerial effects with a fat and parallel beam and crisp projection textures and pattern effects, with linear CMY, three colour-wheels, an animation wheel, two overlapping prisms, frost and two gobo wheels.

## MAIN FEATURES

- Hybrid moving light equipped with a 420W USHIO NSL421 lamp
- Linear zoom ranging from 2.7° to 40°
- Linear CMY, animation wheel, 2 gobo wheels, 3 colour wheels, 2 overlapping prisms

## TECHNICAL SPECIFICATION

### LIGHT SOURCE

- Source: 420 W USHIO NSL421
- CCT: 7.000
- Luminous flux: 35.815 lm
- Lux: (2.7°) 99.284 lx - (40°) 281 lx @ 15 m
- Source life expectancy: 6.000 h

### OPTICS

- Zoom: 2.7° - 40° motorised linear zoom
- Lens diameter: 153 mm
- Lens type: HD anti-reflection lenses with achromatic coating
- Focus: motorised

### COLOUR SYSTEM

- Colour mixing: CMY colour system on 3 gradually fading colour wheels
- CCT: on wheel 2.500 K and 3.200 K + CTB
- Colour wheel: 15 dichroic filters on 3 independent colour wheels

### DYNAMIC EFFECTS

- Animation wheel: animation wheel with CW and CCW rotation
- Rotating gobos: 9 rotating gobos + open, interchangeable, indexing
- Gobo size: outer: 15,9 mm - image: 12 mm - thickness: 1,1 mm
- Fixed gobos: 18 fixed gobos + open
- FX generator: 2 prisms overlap for spectacular aerial effects
- Circular prism: 8 f and 4 f with bi-directional rotation, indexing
- Frost: linear 0 - 100% frost filter

### BODY

- Hardware on-board: sockets for quick-Lock Omega bracket (clamp not included)
- Pan angle: 540°
- Tilt angle: 270°
- Pan/Tilt resolution: bit 8 / 16-bit
- Feedback: automatic repositioning after accidental movement
- Body: aluminium structure with high-resistance polycarbonate cover
- Body colour: RAL 9004

## ACCESSORIES & RELATED PRODUCTS

- |                |   |
|----------------|---|
| ▪ FCLASTRAH420 | Flight case for 2 pcs of ASTRAHYB420  |
| ▪ OS24         | Quick-lock omega bracket.   |
| ▪ C6002B       | Slim aluminum clamp, 200kg loading, 48-51mm tubes, M10 bolt, Black          |
| ▪ RSR0670B     | Steel security cable for hanging bodies, inox steel shackle, L=60 cm, black |
| ▪ 9533FXWL03   | Ass. 3x2.5mm TH07 cable, SHUKO plug, MENAC3FXW socket, L.3m                 |
| ▪ 9513FXWL03   | Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, MENAC3FXW socket, L.3 m      |
| ▪ 958225L03    | 3x2.5mm TH07 Cable, 16A 3p PwCon MXW, 16A 3p PwCon FXW, L.3m                |

### CONTROL

- Protocols: DMX512, RDM, Art-Net, sACN, W-DMX
- DMX channels: 30 channel
- 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: via menu with internal memory or via USB - DMX interface (UPBOX2) not included
- Other: 16bit control of dimmer

### ELECTRONICS

- Dimmer: linear 0 ~ 100% mechanical dimmer
- Strobe / shutter: 1 - 28 flash(s), mechanical
- Display battery: self-charging battery backup
- Operating temperature: -10° ~ +45°

### ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 590 W
- Output (at 230V): 4 units on a single power line
- Power factor: > 0,96

### 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 connector
- Dimensions (WxHxD): 445x668x310 mm
- Weight: 26,2 kg

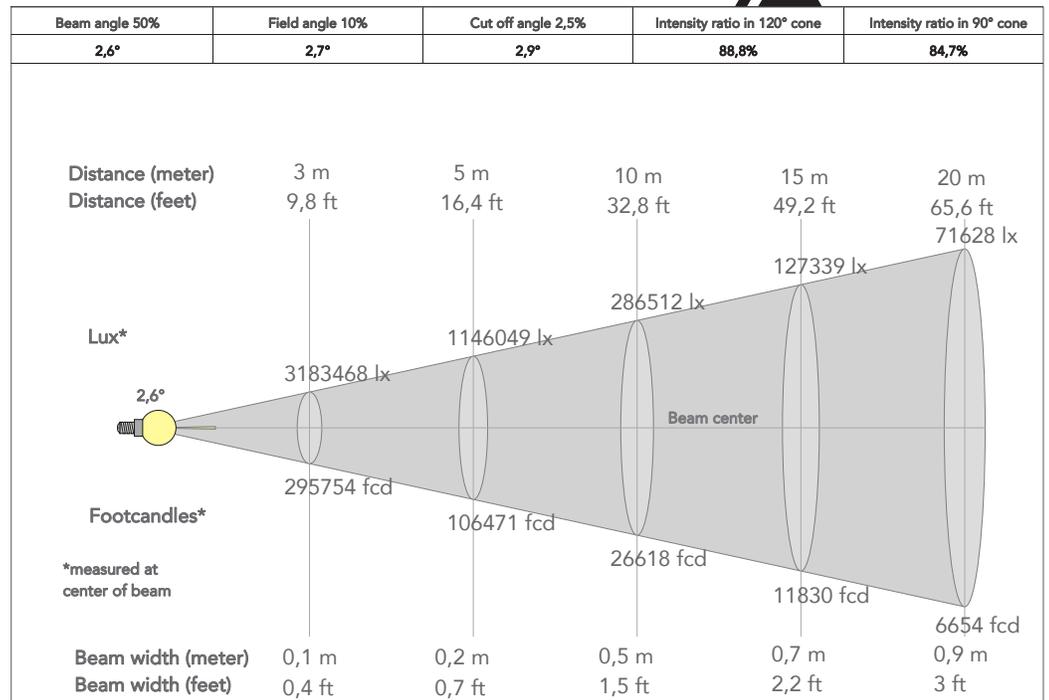
### CERTIFICATIONS / APPROVALS

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

- |                |  |
|----------------|--|
| ▪ TOUR53415L03 | Dmx cable HC5340. CANS5MXX XLR 5p->CANS5FXX 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 |
| ▪ UPBOX2P5     | Firmware uploader kit, USB IN, 5-pin XLR DMX OUT                                     |

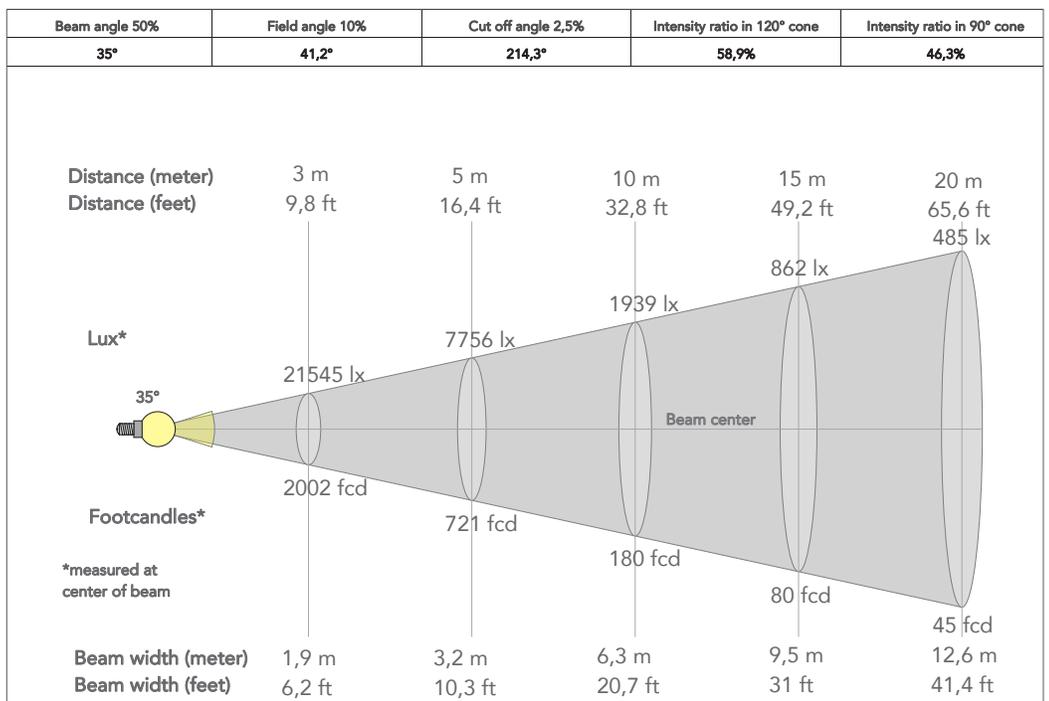
**PRESET FULL ON**

Beam angle 50%: 2,7°

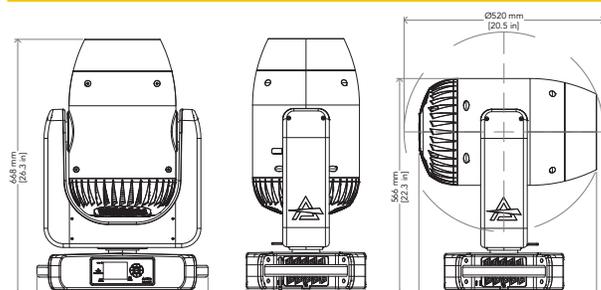


**PRESET FULL ON**

Beam angle 50%: 40°



**TECHNICAL DRAWINGS**



**CERTIFICATIONS / APPROVALS**



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

Visit our website  
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tech documentations

