

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: 420W USHIO NSL421
- Source CCT: 7.000K
- Luminous flux: 35.815
- Lux: (2.7°) 127.339 lx - (40°) 862lx @15 m
- Source life expectancy: 6.000 h

OPTICS

- Zoom range: 2.7° - 40° motorised linear zoom
- Lens diameter: 153mm / 6.02"
- Lens type: HD anti-reflection lenses with achromatic coating
- Focus: motorised 16-bit

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
- 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%

GOBOS

- 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

CONTROL

- Supported Protocols: DMX512, RDM, Art-Net, sACN, W-DMX
- DMX channels: 30ch
- RDM: for remote addressing and parameter configuration
- Display: LCD high resolution colour display with autoflip
- Other: 16bit control of dimmer

MOVEMENT

- Pan: 540° - 16-bit resolution
- Tilt: 270° - 16-bit resolution
- Position feedback: automatic repositioning after external movement
- Pan / tilt lock: for transport and maintenance

ACCESSORIES & RELATED PRODUCTS

- | | |
|------------------|--|
| ▪ OS24PLUS | Quick-lock omega bracket, M12 hole |
| ▪ FCLASTRAH420IP | Flight case for 2 pcs of ASTRAHYB420 |
| ▪ ÆTHERBOX | IP65 1 universe CRMX transceiver, DMX and Ethernet protocols, Wi-Fi, Bluetooth and battery ready |
| ▪ ÆTHERBOXONE | IP65 1x universe CRMX transceiver, DMX, Ethernet protocols, Wi-Fi, Bluetooth, battery-ready, POE |
| ▪ 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 |

ELECTRONICS

- Dimmer: linear 0 - 100% mechanical dimmer
- Strobe / shutter: 1 - 28 flash(s), mechanical
- Display battery: included, self-charging battery backup
- Firmware upgrade: via menu with internal memory or via USB - DMX interface (UPBOXPRO/UPBOX2) not included

CONNECTIONS

- Power connection: Neutrik powerCON TRUE1 IN connector
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Wireless Connection: integrated LumenRadio TiMo FX RDM - CRMX and W-DMX compatible
- Data connection: Neutrik Art-Net RJ45 IN/OUT

ELECTRICAL

- Mains power supply: 100-240V - 50/60Hz
- Max power consumption (230V): 590W
- Standby power: 96W
- Power factor: > 0,96

PHYSICAL

- IP rating: IP20
- Cooling: filtered forced-air with low-noise fan
- Housing: Aluminium structure with high-resistance polycarbonate cover
- Finish: black (RAL 9004)
- Operating temperature: Ta -10 to +45 °C (+14 to +113 °F)
- Dimensions (WxHxD): 445x668x310mm / 17.52"x26.3"x12.2"
- Weight: 26,2kg / 57.76lbs

INSTALLATION

- Suspension and fixing: any position with quick-lock omega brackets
- Hardware on-board: sockets for quick-Lock Omega bracket (clamp not included)

CERTIFICATIONS / REPORTS

- Compliance: CE, UKCA, RCM, cTUVus, FCC

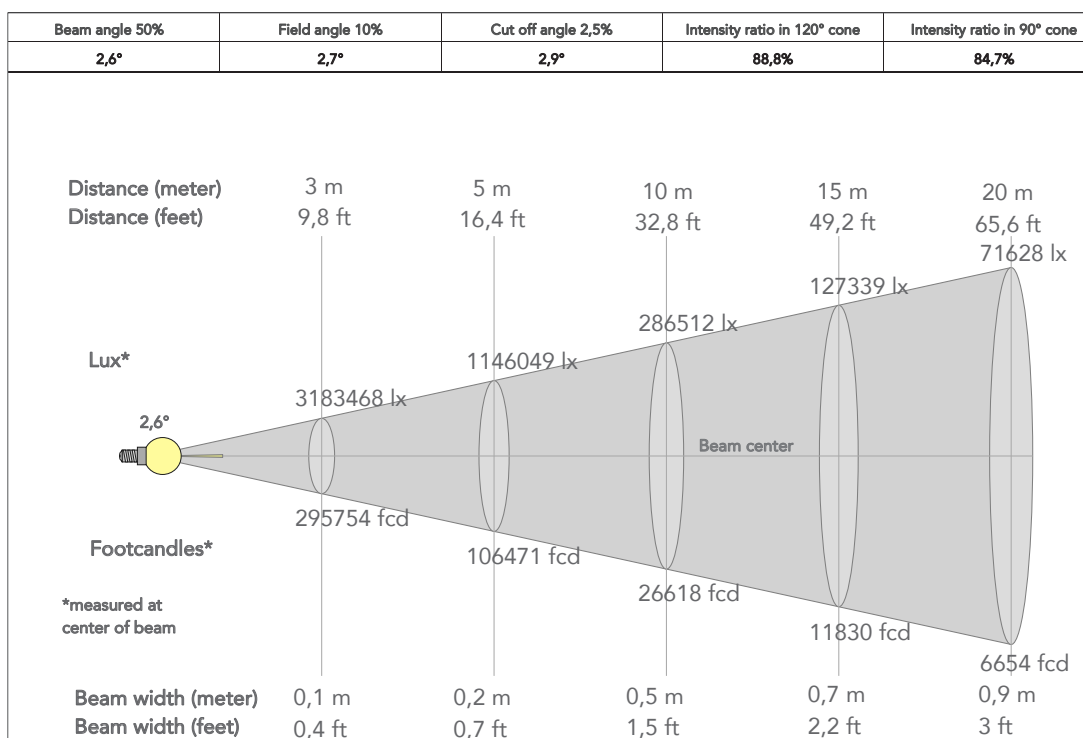
BOX CONTENT

- 1 x ASTRAHYB420
- 2 x OS24PLUS
- 1 x 1,5 meters 3G1,5mmq power cable (BARE END - NEUTRIK POWERCON TRUE1 IP65 power connector)
- User manual

- | | |
|----------------|--|
| ▪ 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 |
| ▪ TOUR53415L03 | Dmx cable HC5340. CANS5MXX XLR 5p->CANS5FXX XLR (f) 5p, L.3m |
| ▪ UPBOXPRO | Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector |

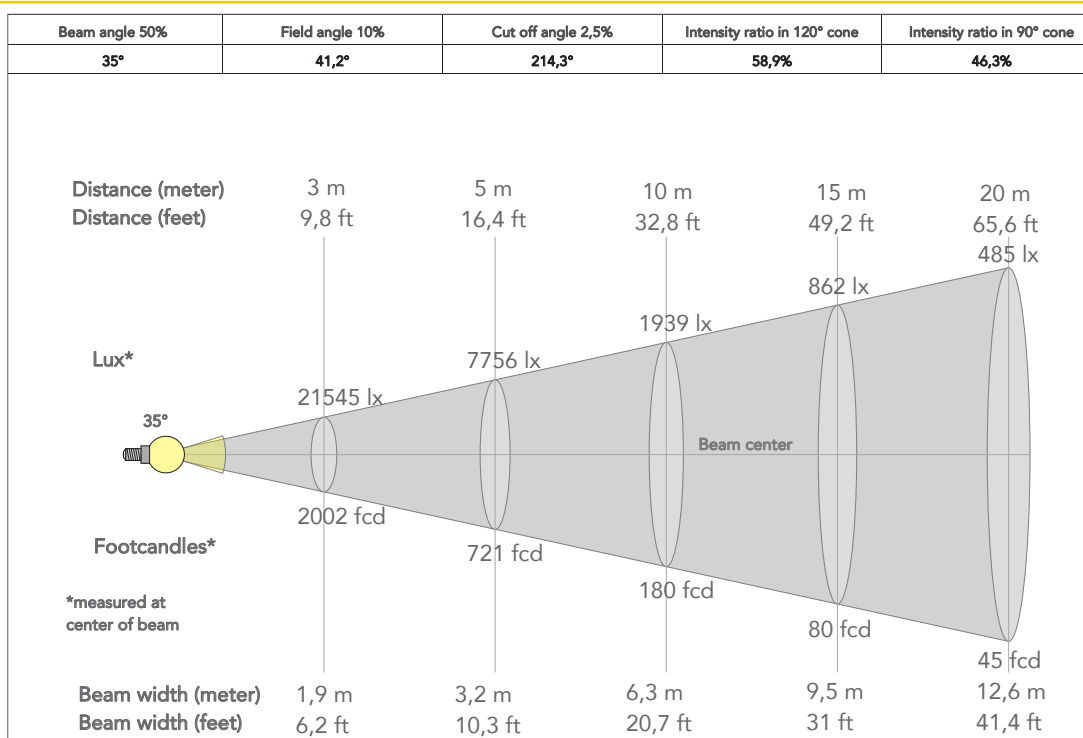
PRESET FULL ON

Beam angle 50%: 2,7°

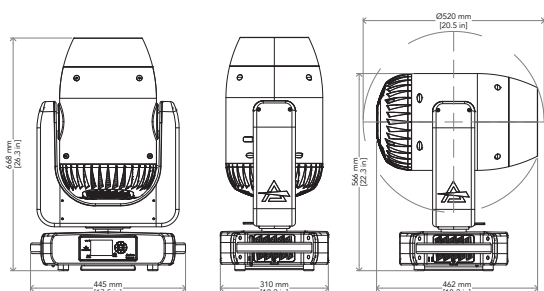


PRESET FULL ON

Beam angle 50%: 40°



TECHICAL DRAWINGS



CERTIFICATIONS / APPROVALS



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

Visit our website
for specifications and
tech documentations

