Astra Hybrid420IP

IP65 Hybrid moving beam-spot, with a 420W USHIO NSL421 lamp

ORDER CODE: **ASTRAHYB420IP**

The **Astra** Hybrid420IP is the first waterproofed (IP65) hybrid moving light in the **Astra** range, designed for any large-scale touring applications and exterior installations. Despite its waterproofed exterior, the unit meets the same performance and features as the indoor version, excelling both as a truly bright beam light and perfect spotlight, with tremendous brightness and superior evenness when comparing with other fixtures in the same category. The **Astra** Hybrid420IP's optical system moves linearly from 2.4° 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** Hybrid420IP 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

- IP65 Hybrid moving light equipped with a 420W USHIO NSL421 lamp
- Linear zoom ranging from 2.4° 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:8f 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: weatherproof IP65 construction
- Body colour: RAL 9004

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: -20° ~ +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:65 (*)
- Cooling: forced air with fan
- Suspension and fixing: any position with quick-lock omega brackets
- Pan / tilt lock: for transportation and maintenance
- Signal connection: Seetronic XLR 5p IN/OUT connectors
- Data connection:Seetronic Art-Net RJ45 IN/OUT
- Power connection: Seetronic powerCON TRUE IP65 IN
- Dimensions (WxHxD):441x741x310 mm
- Weight:42,1 kg
- (*) NOTE: Suitable for permanent outdoor use, provided installation and maintenance cycles by qualified technicians are carried.

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

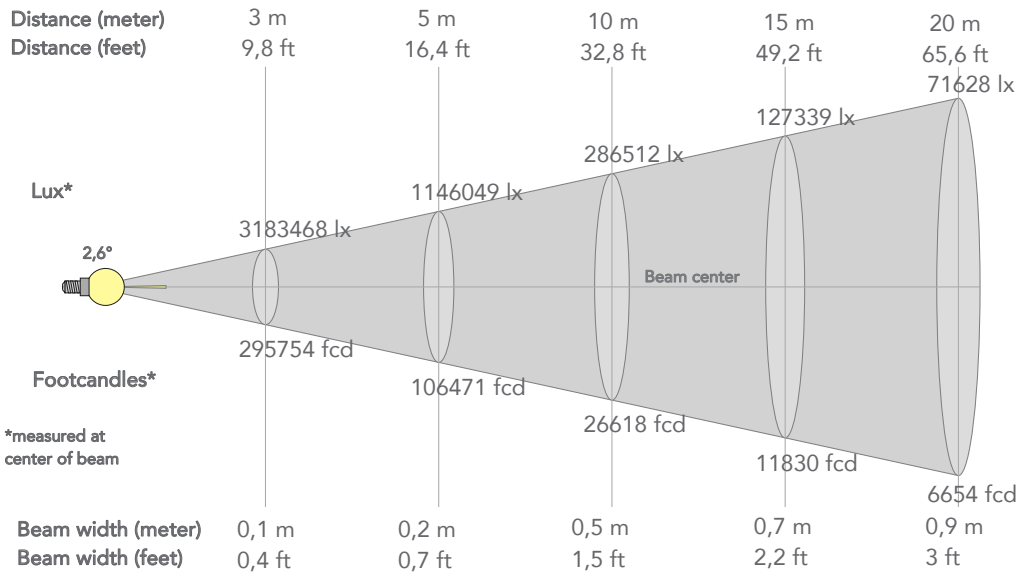
ACCESSORIES & RELATED PRODUCTS

FCLASTRAH420IP	Flight case for 2 pcs of ASTRAHYB420IP
OSIP	IP65 quick-lock omega bracket compatible with IP65 moving heads
IPTESTBOX	Portable vacuum and pressure tester for ProLights IP fixtures
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
9333FXWL03	Ass. 3x2.5mm TH07 cable, SHUKO plug, SETSAC3FX socket, L.3m
9313FXWL03	Ass. 3x2.5mm TH07 cable, 16A 3p 230V CEE plug, SETSAC3FX socket, L.3 m
938225L03	3x2.5mm TH07 Cable, 16A SETSAC3MX, 16A SETSAC3FX, L. 3m
INF53415L03	Dmx cable HC5340. SETMC5MXXB XLR 5p->SETMC5FXXB 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°

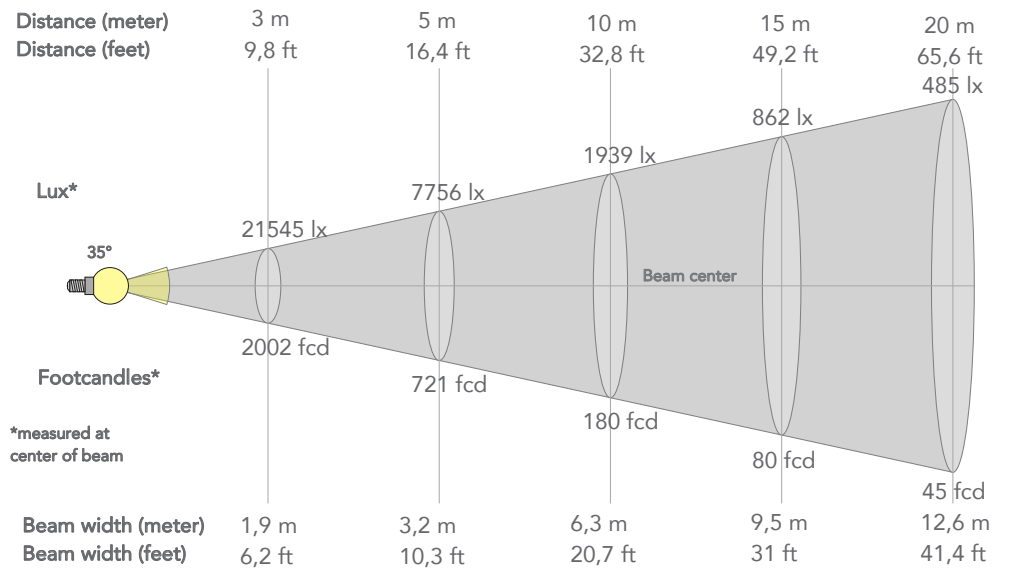
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
2,6°	2,7°	2,9°	88,8%	84,7%



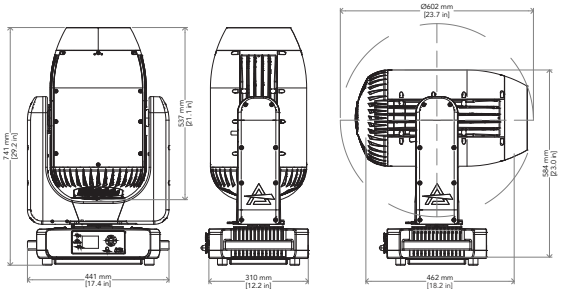
PRESET FULL ON

Beam angle 50%: 40°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35°	41,2°	214,3°	58,9%	46,3%



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

PROLIGHTS is a trademark of
MUSIC & LIGHTS S.r.l.
musiclights.it

Via A. Olivetti snc
04026 - Minturno (LT) ITALY
Tel: +39 0771 72190

prolights.it
info@prolights.it