Astra Hybrid420

ORDER CODE: ASTRAHYB420



SOURCE	ZOOM RANGE	IP RATING
420W USHIO NSL421	**2.7° - 40° motorised linear zoom**	**IP20**

WEIGHT
26,2kg / 57.76lbs

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TECHNICAL SPECIFICATIONS

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
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

Gobo wheel 1:	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

ELECTRONICS

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

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TECHNICAL SPECIFICATIONS

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
Weight:	26,2kg

INSTALLATION

Suspension and fixing:	any position with quick-lock Omega brackets
Mounting points:	4 quick-lock Omega sockets

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)

ACCESSORIES & RELATED PRODUCTS



OS24PLUS

Quick-lock omega bracket, M12 hole



FCLASTRAH420IP

Flight case for 2 pcs of ASTRAHYB420 / ASTRAHYB420IP / ASTRAPROFILE600IP



AETHERBOXONE

IP65 1x universe CRMX transceiver, DMX, Ethernet protocols, Wi-Fi, Bluetooth, battery-ready, POE

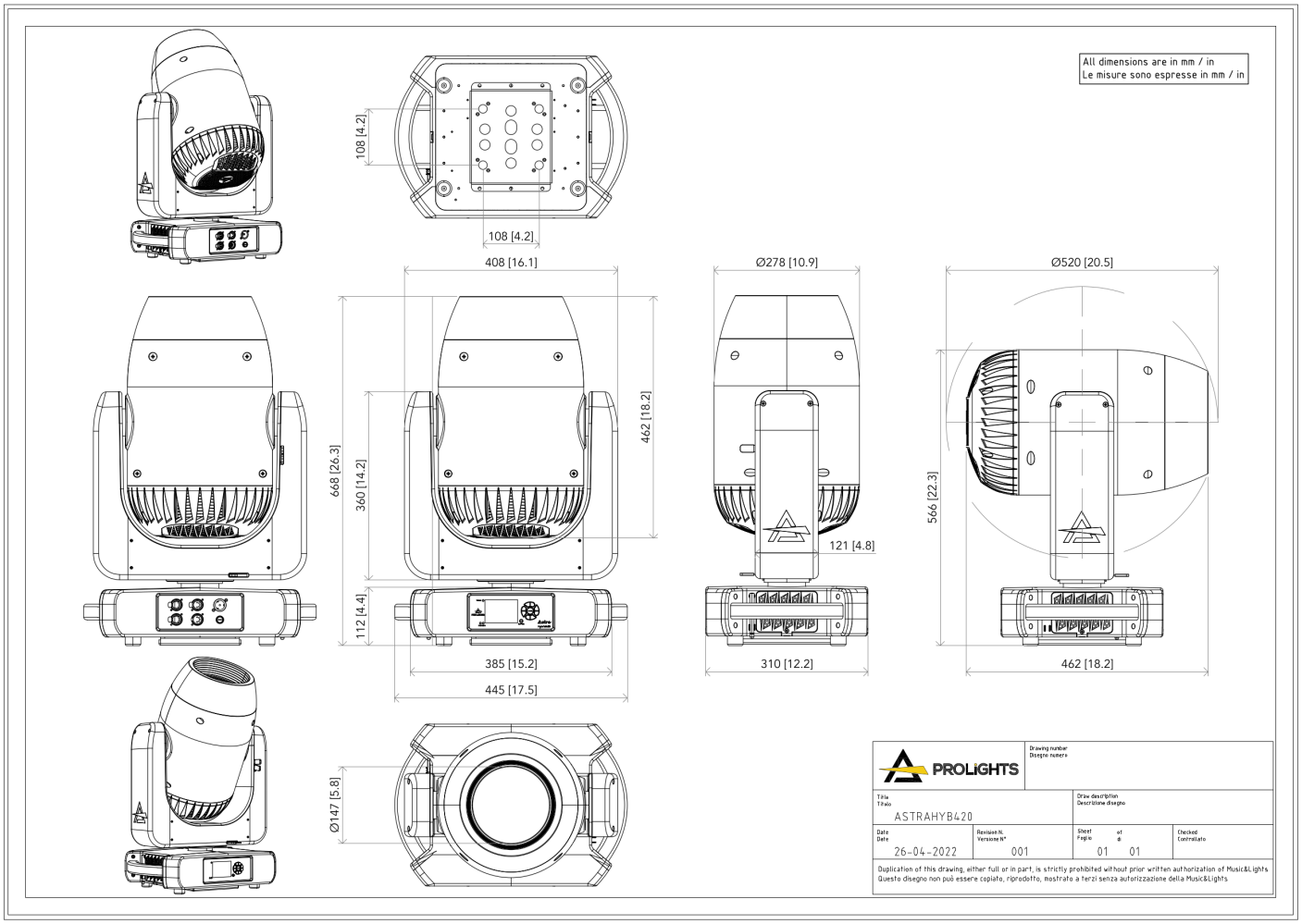


UPBOXPRO

Firmware uploader kit, USB IN, 5-pin XLR DMX OUT connector

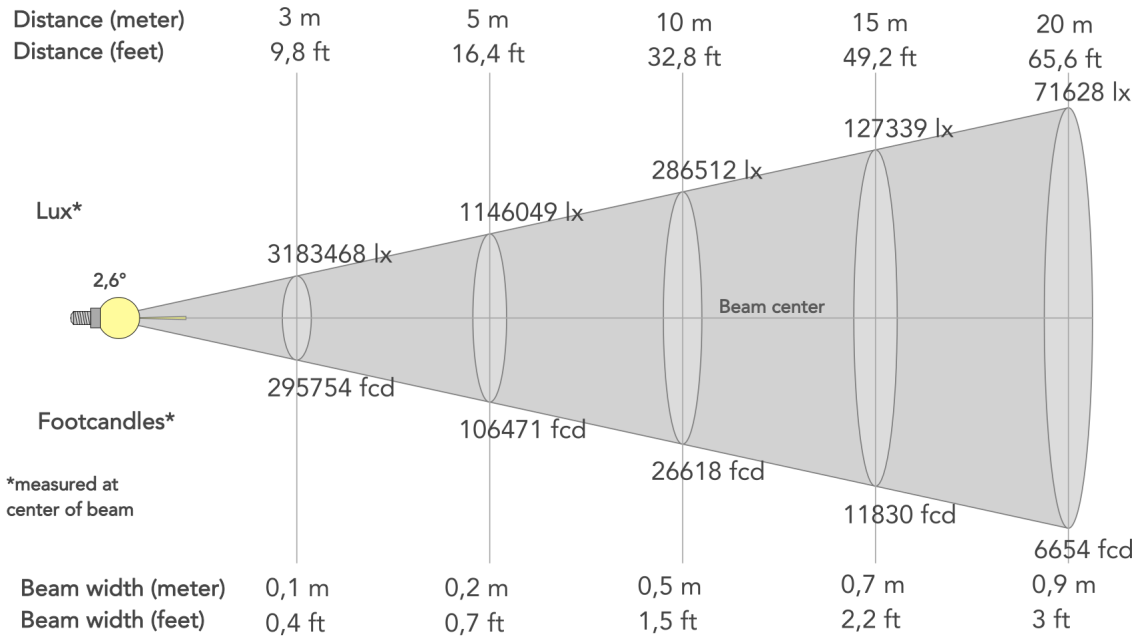
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TECHNICAL DRAWINGS



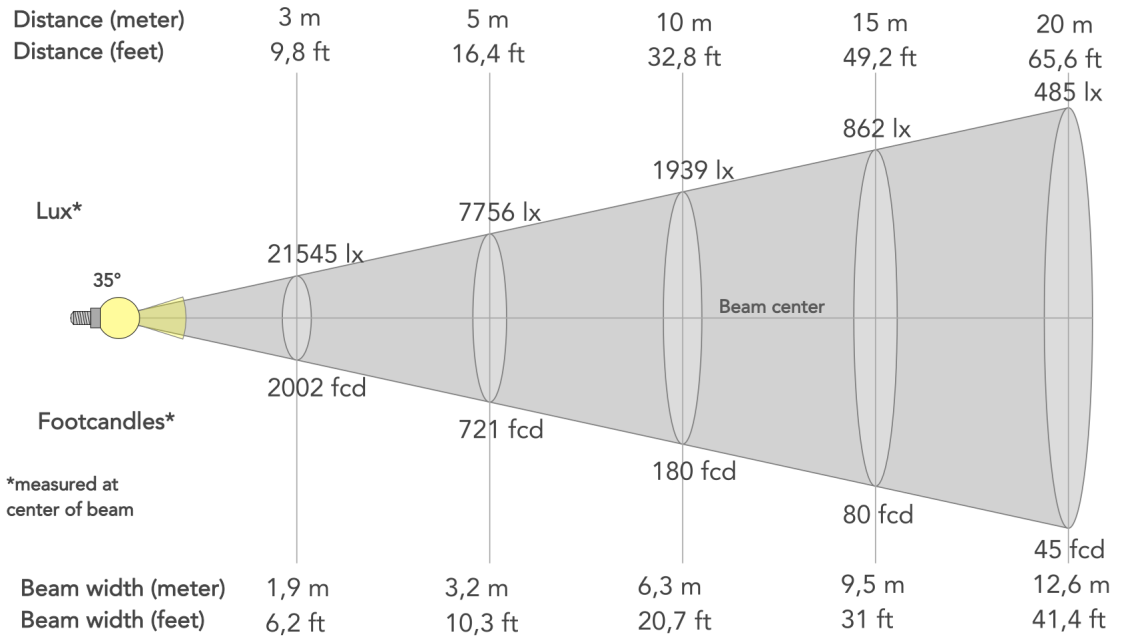
PHOTOMETRICS

Full On - Min Zoom



Beam angle (50%): **2.6°**	Field angle (10%): **2.7°**	Cut-off angle (2.5%): **2.9°**

Full On - Max Zoom



Beam angle (50%): **35°**	Field angle (10%): **41.2°**	Cut-off angle (2.5%): **214.3°**