Ra 2000ProfileHB

ORDER CODE: RA2000PROFILEHB



SOURCE

540W White LED

ZOOM RANGE

8° - 50° motorised linear zoom

IP RATING

IP20

WEIGHT

35kg / 77.16lbs

Downloaded on 10/11/2026 - data may be provisional: features, specifications and appearance are subject to change without notice

TECHNICAL SPECIFICATIONS

LIGHT SOURCE

Source:	540W White LED
Source CCT:	6.300K
Luminous flux:	18'900 @Full
Lux:	(8°) 38'509 lx - (50°) 1'333lx @5 m full
CRI:	>69 (83 with High CRI filter on color wheel)
Source life expectancy:	> 30.000 hrs (L70B10 @Ta 25° C / 77° F)

OPTICS

Zoom range:	8° - 50° motorised linear zoom
Lens diameter:	120mm
Focus:	motorised 8/16-bit

COLOUR SYSTEM

Colour mixing:	linear CMY
CCT:	linear CTO correction 2.700 K ~ 6.000 K
Colour wheel:	6 colour filters + open

DYNAMIC EFFECTS

Shutter system:	4 shutter blades with position and ±30° angle adjustment, ±45° rotation of the complete framing system
Animation wheel:	animation wheel with CW and CCW rotation
FX generator:	shutter macros with adjustable speed
Circular prism:	4-f with bi-directional rotation, indexing
Frost:	dual frost filter system, 1° soft-edge frost gobo, 5° frost wash, with linear 0 - 100% frost filter to soften the beam edge
Iris:	5 - 100% motorised iris
Static mode:	selection of static colour
Manual mode:	manual adjustment of dimmer and strobe

GOBOS

Gobo wheel 1:	7 rotating gobos + open, interchangeable, indexing
Gobo size:	outer: 26,7 mm - image: 20 mm - thickness: 1,1 mm

CONTROL

Supported Protocols:	DMX512, RDM, Art-Net, sACN, W-DMX
DMX channels:	38 / 39 / 40 / 41/ 42ch
RDM:	for remote addressing and parameter configuration
Display:	LCD high resolution colour display with autoflip

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TECHNICAL SPECIFICATIONS

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% electronic dimmer
Strobe / shutter:	1 - 30 Hz, electronic
Display battery:	included, self-charging battery backup
Selectable PWM:	24KHz
Firmware upgrade with:	via DMX with UPBOXPRO/ UPBOX1 (not included)

CONNECTIONS

Power connection:	Neutrik powerCON TRUE1 IN/OUT connectors
Signal connection:	Amphenol XLR 5p IN/OUT connectors
Wireless Connection:	integrated W-DMX receiver
Data connection:	Art-Net RJ45 IN/OUT

ELECTRICAL

Mains power supply:	100-240V - 50/60Hz
Max power consumption (230V):	640W
Output (at 230V):	3 units on a single power line
Power factor:	>0,96

PHYSICAL

IP rating:	IP20
Cooling:	heat pipe with low-noise fan
Finish:	black
Operating temperature:	Ta -10 to +50 °C (+14 to +122 °F)
Dimensions (WxHxD):	443x697x293mm
Weight:	35kg

INSTALLATION

Suspension and fixing:	- hanging bracket for floor positioning with "Quick-Lock" system

CERTIFICATIONS / REPORTS

Compliance:	CE, UKCA, RCM, cTUVus, FCC

BOX CONTENT

1 x RA2000PROFILEHB

1 x 1,5 meters power cable (BARE END - NEUTRIK POWERCON TRUE1 IP65)

2 x OS25PLUS

ACCESSORIES & RELATED PRODUCTS



OS25PLUS

Quick-lock omega bracket, M12 hole



AETHERBOXONE

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



FCLRA2000

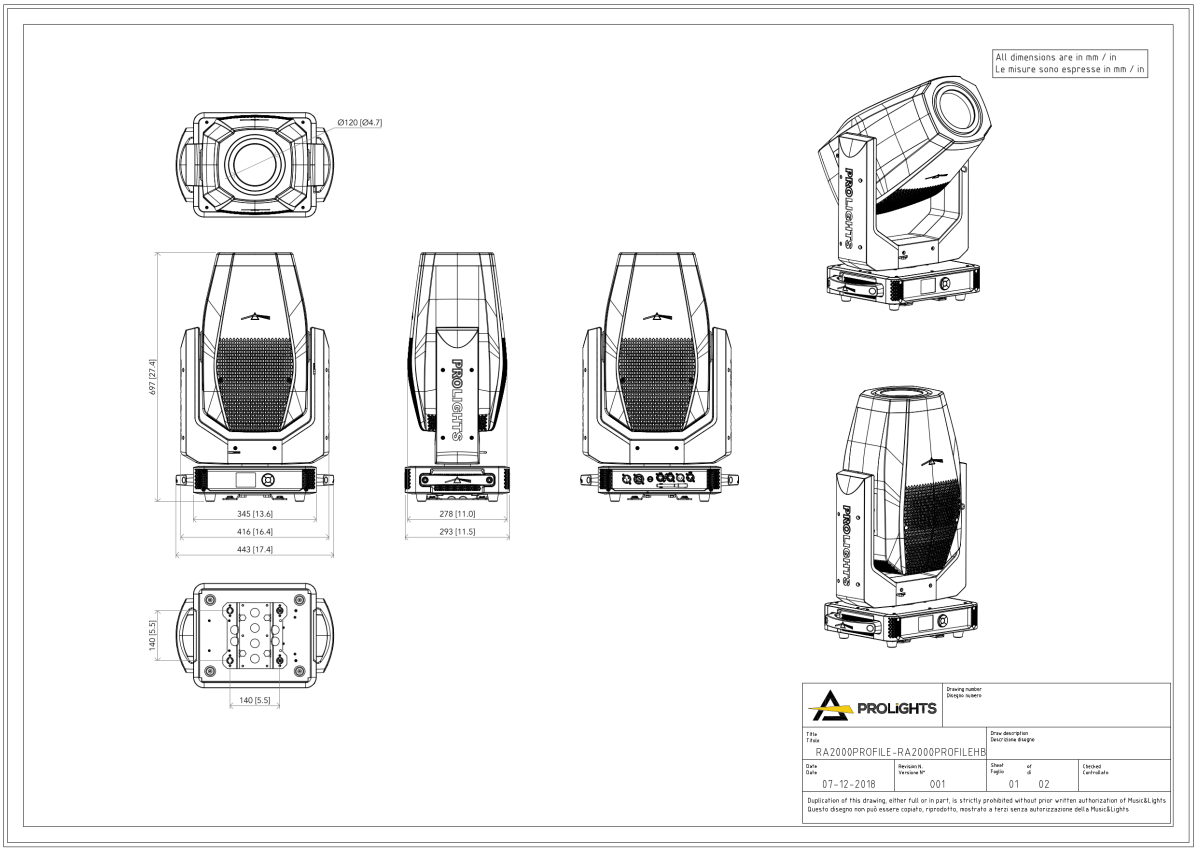
Flight case for 2 piece RA2000PROFILE

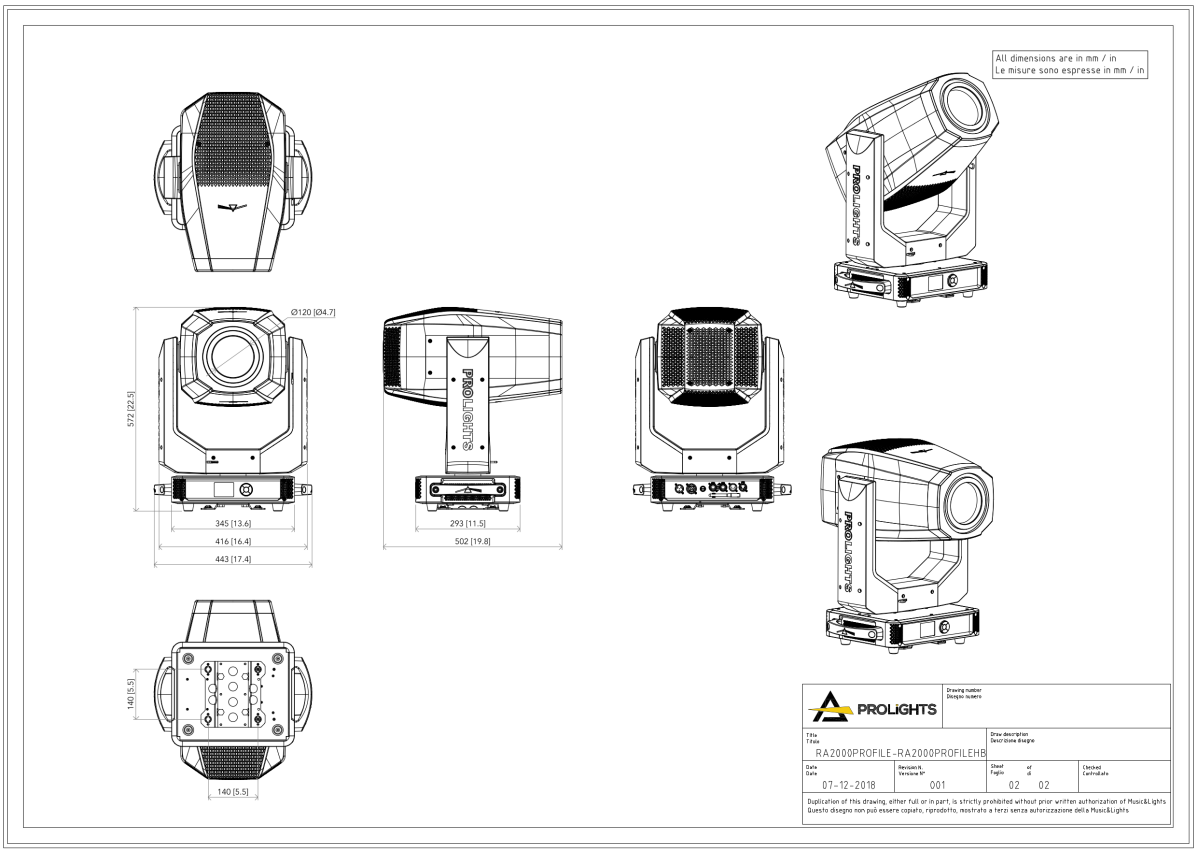


UPBOXPRO

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

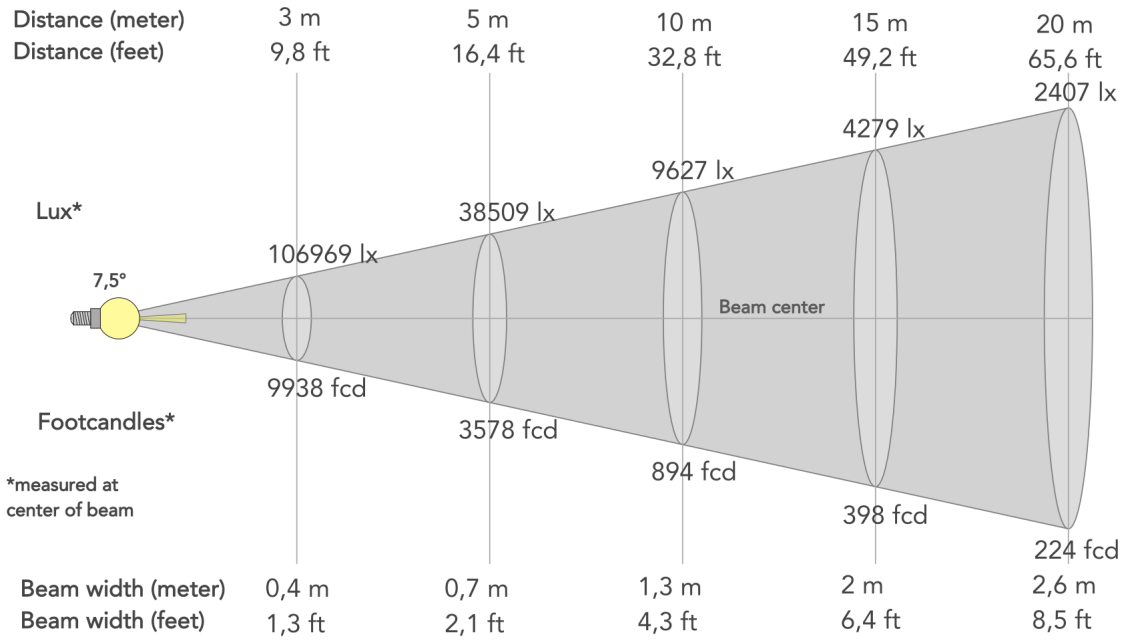
TECHNICAL DRAWINGS





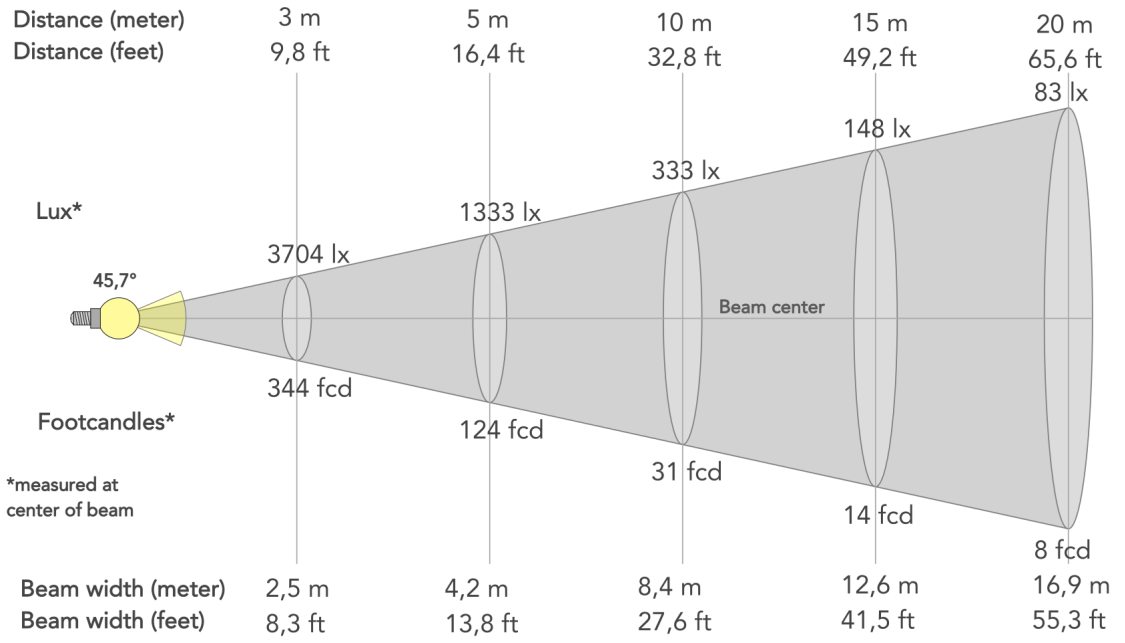
PHOTOMETRICS

Full On - Min Zoom



Beam angle (50%): **7.5°**	Field angle (10%): **8.2°**	Cut-off angle (2.5%): **8.9°**

Full On - Max Zoom



Beam angle (50%): **45.7°**	Field angle (10%): **49.6°**	Cut-off angle (2.5%): **53.5°**